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HEALTH FACILITIES COMMISSION
JANUARY 25, 2023
APPLICATION SUMMARY

NAME OF PROJECT: CareMax Pharmacy of Loudon, Inc. (East)

PROJECT NUMBER: CN2210-039

ADDRESS: 418 South Gay Street, Suite 203
Knoxville (Knox County), TN 37902

LEGAL OWNER: CareMax Pharmacy of Loudon, Inc.
418 South Gay Street, Suite 203
Knoxville (Knox County), TN 37902

OPERATING ENTITY: N/A

CONTACT PERSON: Daniel Carter, Ascendient Healthcare Advisors
(919) 226-1705

DATE FILED: October 31, 2022

PROJECT COST: \$156,000

PURPOSE FOR FILING: Establishment of a home care organization and the initiation of home health services.

Staff Review

Note to Commission members: This staff review is an analysis of the statutory criteria of Need, Consumer Advantage Attributed to Competition, and Quality Standards, including data verification of the original application and, if applicable, supplemental responses submitted by the applicant. Any Health Facilities Commission Staff comments will be presented as a "Note to Commission members" in bold italic.

PROJECT DESCRIPTION:

This application is for the establishment of a home care organization to initiate and provide home health services limited to infusion services in the 24-county proposed service area subject to CON requirements. The 24-county service area counties include Anderson, Bledsoe, Blount, Bradley, Campbell, Claiborne, Cocke, Cumberland, Fentress, Grainger, Hamblen, Hamilton, Jefferson, Knox, Loudon, Marion, McMinn, Meigs, Monroe, Rhea, Roane, Sequatchie, Sevier and Union Counties. Under T.C.A. § 68-11-

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1607(q), Morgan County meets the criteria to be designated as a distressed county and is not subject to Certificate of Need review. The new home health organization's office will be located at 418 South Gay Street, Suite 203, Knoxville (Knox County), TN 37902.

Executive Summary

- If approved, the applicant projects the proposed project will open for service in March 2023.
- The applicant is proposing to establish a home health agency limited to home infusion services in East Tennessee to serve patients of its existing pharmacy and infusion center businesses based in Knoxville.
- The applicant's affiliates currently provide pharmacy-related services, including outpatient infusion centers, specialty pharmacy, and home infusion therapy in 9 states including Tennessee. The applicant states that its affiliated entities have experienced difficulty in meeting the in-home infusion therapy needs of patients in the service area for specific types of infusion services including anti-infectives, cardiac medications, nutritional support, immunoglobulin (IG), and specialty medications. This is due to the inability of existing home health providers to deliver these type of services because of limitations related to staff availability and payer source considerations. The applicant will not provide oncology/chemotherapy infusions in the home.
- Please see application Item 1E. on page 7 for the applicant's executive summary overview that includes project description, ownership, service area, existing similar service providers, project cost, and staffing.

Note to Commission Members: The applicant has also filed a pending home health infusion therapy companion application, CareMax of Pharmacy of Loudon, Inc. (Middle), CN2210-040 which will also be heard at the January 25, 2023 Commission Meeting. The applicant's home office will be located at 601 Grassmere Park, Suite 19A, Nashville (Davidson County), Tennessee 37211. The proposed service area includes Cheatham, Davidson, Dickson, Macon, Maury, Montgomery, Robertson, Rutherford, Sumner, Trousdale, Williamson and Wilson Counties.

Consent Calendar: Yes No

- Executive Director's Consent Memo Attached: Yes Not applicable

Facility Information

- The 147 square foot project office site will be a home health nursing office co-located with the Paragon Healthcare Knoxville pharmacy office. The property is being leased to the applicant, CareMax Pharmacy of Loudon, Inc., through the

landlord, Phoenix Property Management LLC, for an initial 60-month term through March 2025. See Attachment 9.A. Lease Agreement.

- The applicant is not proposing to establish any branch offices.

Ownership

- The applicant is owned by Pathwrite, Inc., which is owned by Paragon Healthcare, Inc., which is owned by PHI Parent, LLC, which is ultimately owned by PHI Topco, LLC.

Project Cost Chart

- The total project cost is \$156,000. Of this amount, the highest line-item costs of the project are Legal, Administrative, Consultant Fees Costs (\$125,000), and Facility Lease Costs (\$24,000).
- Please see the Project Cost Chart on page 11 of the application.

NEED

The applicant provided the following supporting the need for the proposed project:

- The inability of the applicant to service its patient base through referrals to traditional home health agencies to serve home infusion therapy patients due to limitations with staff experience and training.
- The existing patient base of the applicant includes individuals who have recently been discharged from an acute care setting and are unable to receive home-based infusion services in a timely fashion.
- The availability of home infusion services will reduce or eliminate travel time and expenses for patients who require infusion services.
- The applicant cites the fact that traditional home health agencies are often not reimbursed for the nursing services associated with home infusion services at a level that covers the cost of care and are therefore not willing to deliver these types of specialized services.

(For applicant discussion, see the Original Application, Page 9)

SERVICE SPECIFIC CRITERIA AND STANDARD REVIEW

Home Health Services:

All applicable criteria and standards were met except for the following:

- Did not meet the standard of #1. **Determination of Need** “In a given county, 1.5 percent of the total population will be considered as the need estimate for home health services in that county. This 1.5 percent formula will be applied as a general guideline, as a means of comparison within the proposed Service Area.”

This project proposes to initiate home health services in a twenty-four county service area,

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which cumulatively show a surplus of (25,795) home health admissions according to the standard of (1.5%) of the total population of the counties included in the project service area. The three counties included in the service area which show the largest surplus are the following: Hamilton County (3,924), Knox County (3,757), and Hamblen County (1,743). See Attachment 1.N.3, Home Health Services Standards and Criteria, Pages 1 -5.

Note to Commission Members: The applicant cites multiple concerns with the existing home health service need formula including the following:

- The need formula is not specific to the type of home health service being proposed by the applicant - home infusion therapy services, which are more complex and specialized than traditional home health services and is therefore not accurately representative of need for the project in the service area.
- The applicant states that (1.5%) rate for the service area population prescribed by the need standard is exceeded by the actual use rate if the services area in 2021 (2.8%).

Please see attached for a full listing of the criteria and standards and the applicant's responses.

Service Area Demographics

- The proposed service area includes Anderson, Bledsoe, Blount, Bradley, Campbell, Claiborne, Cocke, Cumberland, Fentress, Grainger, Hamblen, Hamilton, Jefferson, Knox, Loudon, Marion, McMinn, Meigs, Monroe, Rhea, Roane, Sequatchie, Sevier, and Union Counties. Under T.C.A. § 68-11-1607(q), Morgan County meets the criteria to be designated as a distressed county and is not subject to Certificate of Need review. (See Attachment 2N for a county level map).
- The target population is the adult population age 65 and younger. (See Attachment 3NR for more demographic details.)

	2022 Population		2026 Population		% Change		TennCare %
	Total	Under 65	Total	Under 65	Total	Under 65	
Service Area	1,955,318	1,552,053	2,005,565	1,565,549	2.6%	0.9%	23.4%
Tennessee Total	6,997,493	5,743,164	7,203,404	5,826,949	2.9%	1.4%	24.4%

Source: The University of Tennessee Center for Business and Economic Research Population Projection Data Files, Reassembled by the Tennessee Department of Health, Division of Policy, Planning and Assessment, Office of Health Statistics.

- The proposed service area projects a 4-year growth rate (2022-2026) among residents age 65 and under of (0.9%) which is lower than the statewide rate of (1.4%). The latest 2022 percentage of (23.4%) of service area residents enrolled in the TennCare program is above the (24.4%) statewide average.

- The applicant identifies patients requiring anti-infectives, patients on special cardiac medications, patients who need nutritional support, patients receiving immunoglobulin (IG) therapy and patients who require specialty medication infusions as special populations that will be served by this project. See Section 4N, Pages 16-17.

Note to Commission members: The applicant provides the following detail regarding the percentage of Medicare and TennCare enrolled patients who are currently served through its pharmacy and infusion centers in Tennessee: "TennCare patients are eligible for infusion therapy services, both through the pharmacy and in the infusion center, and Paragon's existing pharmacies and infusion centers in Tennessee accept and serve TennCare patients. To date in 2022, 37.1 percent and 28.6 percent of Paragon's patients in Tennessee were Medicare and TennCare, respectively. The balance of patients were commercial, other managed care, pharmacy benefit manager (PBM), out of network, or self-pay." See Supplemental #1, Item 4, Pages 3-4.

- The applicant provides four (4) letters of support from area providers in Attachment 1N.4.

Service Area- Historical Utilization (Home Health Agencies)

- Utilization of all service area home health providers for the past three years (2019-2021) is provided by the applicant in Attachment 1N-5R. The following table is a summary of the service area home health utilization from 2019 to 2021:

	Total Patients			
	2019	2020	2021	% Change 19-21
61 Home Health Agencies Serving Patients in 24 CON Reviewable Service Area Counties	55,242	57,052	53,177	-3.74%

Source: CN2210-039, Supplemental #1, Attachment 1N5R

- From 2019-2021, the (61) combined home health agencies operating in the 24 CON reviewable service area counties reported a decrease of (-3.74%) in total home health visits (not limited to home infusion home visits) from 55,242 in 2019 to 53,177 in 2021.
- The three highest volume providers in 2021 were Amedisys Home Health Care – ID #47202 (6,549 visits); Covenant Homecare – ID #47402 (5,456 visits); and UTMCK-Home Care Services: Hospice & Home Care – ID #47132 (4,964 visits); and Amedisys Home Health – ID #33103 (4,354 visits). The applicant provided the following utilization data for the (12) licensed home health agencies in the twenty-four-county service area that provided home infusion services:

Statewide Utilization of Specialty Home Infusion Providers Serving the Proposed Service Area 2021

Facility Name	State ID	Licensed County	2019		2020		2021		*CAGR '19-'21	
			Visits	Hours	Visits	Hours	Visits	Hours	Visits	Hours
Accredo Health Group, Inc.	79456	Shelby	79	0	174	0	586	0	95.02%	NA
Advanced Nursing Solutions	19754	Davidson	NA	NA	201	789	857	3,036	NA	NA
Amedisys Home Health	33103	Hamilton	0	0	0	0	1,994	0	NA	NA
Amedisys Home Health Care	75064	Rutherford	6	0	0	0	234	0	239.12%	NA
Clinch River Home Health	01032	Anderson	0	0	0	0	11	0	NA	NA
Coram CVS Specialty Infusion Services	19734	Davidson	662	1,563	779	2,361	1,055	2,173	16.81%	11.61%
Coram CVS/Specialty Infusion Services	47442	Knox	907	1,987	997	4,677	1,163	2,540	8.64%	8.53%
Covenant Homecare	47402	Knox	0	0	0	0	52	0	NA	NA
Implanted Pump Management, LLC	47452	Knox	278	278	315	315	218	218	-7.78%	-7.78%
Optum Infusion Services	79856	Shelby	247	1,235	764	6,504	1,116	2,859	65.32%	32.29%
Vanderbilt HC/Option Care IV Services	19994	Davidson	881	2,328	1,337	3,877	1,243	3,662	12.16%	16.3%
Maxim Healthcare Services	33433	Hamilton	23	36	0	115	17	116	-9.59%	47.7%
Total			3,083	7,427	4,567	18,638	8,546	14,604	40.47%	25.28%

Source: CN2210-039, Supplemental #1, Attachment 1N-9-2R

*Compound Annual Growth Rate

- In 2021 (12) home health agencies reported 8,546 home infusion therapy visits representing 14,604 hours for either pain management or other types of infusion services.
- From 2019-2021, the total number of infusion hours reported by home health agencies licensed in the service area increased by (96.6%) from 7,427 in 2019 to 14,604 in 2021. The reported hours are not specific to each of the 24 counties in the project service area as they are only reported on a statewide basis.

Note to Commission members: The number of home infusion therapy visits by service area-county is not available through the Joint Annual Reports.

Applicant's Historical and Projected Utilization

Since this application is for the establishment of a home care organization, there is no historical utilization for the applicant. The following table indicates the applicant's projected home health utilization by number of cases in Year 1 (2023).

Projected Utilization - CareMax Pharmacy of Loudon Inc. (East)

Service Area County	Projected Utilization Year 1 (2023)	Total Cases
Anderson	7	4.1%
Bledsoe	1	0.6%
Blount	12	7.0%
Bradley	10	5.8%
Campbell	3	1.7%
Claiborne	3	1.7%
Cocke	3	1.7%
Cumberland	5	2.9%
Fentress	2	1.2%
Grainger	2	1.2%
Hamblen	6	3.5%
Hamilton	33	19.2%
Jefferson	5	2.9%
Knox	42	24.4%
Loudon	5	2.9%
Marion	2	1.2%
McMinn	5	2.9%
Meigs	1	0.6%
Monroe	4	2.3%
Rhea	3	1.7%
Roane	5	2.9%
Sequatchie	1	0.6%
Sevier	9	5.2%
Union	2	1.2%
<i>CON Reviewable Service Area Counties</i>	<i>170</i>	<i>100%</i>
Morgan	2	1.1%
Total	172	100%

Source: CN2210-039, Original Application, Page 13

- The applicant projects that (24.4%) of patients will reside in Knox County; followed by Hamilton County (19.2%), Blount County (7.0%), and Bradley County (5.8%).
- The applicant provides the following tables detailing its methodology for projecting the number of home infusion therapy patients in Year 1 (2023) of the project. The table below represents the number of patients residing in the service area counties who received infusion medications through Paragon Healthcare's pharmacy services.

Paragon Patients Residing in the 24 Service Area Counties in East Tennessee Who Received Infusion Therapy Medications from its Tennessee Pharmacies

2020	2021	2022	Compound Annual Growth Rate
770	842	793	1.5%

Source: CN2210-039, Supplemental #1, Item 6, Pages 4-5

- The number of patients receiving infusion therapy medications increased by a compound annual growth rate of 1.5% from 2020 to 2022.
- The applicant provides and estimate of the number of patients who were appropriate for home infusion therapy, but for whom care was not available through a traditional home health agency in the project service area.

Paragon Patients from Knoxville Pharmacy Appropriate for Home Infusion Therapy for Whom Care from a Traditional HHA was Unavailable

2020	2021	2022	Compound Annual Growth Rate
88	88	317	89.8%

Source: CN2210-039, Supplemental #1, Item 6, Pages 4-5

- The applicant assumes that approximately one-third of its total pharmacy patients would be appropriate for service through the Knoxville based home health agency in each year.
- The number of historical patients who would have been appropriate for home infusion therapy services increased by a compound annual growth rate of (89.8%) from 2020 to 2022.
- The applicant states that this increase reflects a growth in patients appropriate for home infusion therapy for which Paragon was unable to find an existing HHA willing and able to serve the patient.

**Projected Home Infusion Therapy Patients, Visits and Visits per Patient
Year 1 (2023) and Year 2 (2024)**

	Year 1 (2023)	Year 2 (2024)
Home Infusion Therapy Patients	172	181
Total Home Infusion Therapy Visits	1,376	1,448
Visits per Patient	8	8

Source: CN2210-039, Original Application, Page 21

- The applicant projects a (5.2%) increase in home infusion therapy patients from Year 1 (2023) to Year 2 (2024) and an increased number of visits per patient from 172 to 181. The applicant's projected (5.2%) increase in total home infusion therapy visits from (1,376) in Year 1 to (1,448) in Year 2 is based upon historical estimates

of Paragon patients from the service area who would be appropriate for home infusion services.

**Projected Utilization by Duration of Infusion Services Visit
Year 1 (2023) and Year 2 (2024)**

	Year 1		Year 2	
	Visits	Hours	Visits	Hours
Infusion services greater than 2 hours	943	2,090	992	2,199
Infusion services less than 2 hours	433	426	456	448

Source: CN2210-039, Original Application, Page 21

- The majority (68.5%) of patient visits for home infusion therapy services are projected to last longer than 2 hours in both Year 1 (2023) and Year 2 (2024) of the project.
- Approximately (16.9%) of total patient hours are projected to be associated with visits lasting less than 2 hours in Year 1 and Year 2.

CONSUMER ADVANTAGE ATTRIBUTED TO COMPETITION

Charges

- The applicant's proposed charges are listed on page 25. The applicant's unit of measure for calculating charge information is home health nursing visits.

	Projected Data Chart	
	Year 1	Year 2
Gross Charges	\$223.00	\$223.00
Deduction from Revenue	\$52.41	\$52.41
Average Net Charges	\$170.60	\$170.60

Source: CN2210-039, Original Application, Page 25.

- The applicant proposed charges are the same in both Year One (2023) and Year Two (2024) of the project.
- The applicant provides a comparison of service area provider charges in Attachment 1N-9-1 the application.

State ID Number	Agency Name	Infusion Therapy - Pain Management	Infusion Therapy - Other
		Charge per Visit - Direct Only	Charge per Visit - Direct Only
79456	Accredo Health Group, Inc.	N/A	N/A
19754	Advanced Nursing Solutions	N/A	N/A
33103	Amedisys Home Health	\$0	\$0
75064	Amedisys Home Health Care	\$0	\$0
01032	Clinch River Home Health	N/A	N/A
19734	Coram CVS Specialty Infusion Services	\$90	\$90
47442	Coram CVS/Specialty Infusion Services	N/A	N/A
47402	Covenant Homecare	N/A	N/A
47452	Implanted Pump Management, LLC	\$150	\$150
79856	Optum Infusion Services	N/A	N/A

Source: CN2210-039, Original Application, 2021 Joint Annual Reports for Home Health, Attachment 1N-9-1.

- Only two service area agencies reported infusion therapy visit charge data in the 2021 Joint Annual Report. The applicant's projected Average Charges per Visit are higher (\$223 per visit) than those listed for Coram CVS Specialty Infusion Services (\$90 per visit) and Implanted Pump Management, LLC (\$150 per visit).

Project Payor Mix

	Percentage of Gross Operating Revenue						
	Medicare	Medicaid/TennCare	Commercial	Self-Pay	Other	Total	Charity Care
Year 1	N/A	N/A	82%	2%	16%	100%	1.7%

Source: CN2210-039, Original Application, Page 26.

- The applicant does not intend to be Medicare or TennCare Certified and plans to refer those patients who meet Medicare criteria to an existing home health agency that will accept them.
- The applicant states that for those patients who do not meet the qualifications for Medicare home health services, it will provide the home infusion nursing service regardless of payor status.
- Please refer to Item 10C. in the Consumer Advantage section of the application for specific Payor Mix information.
- A full list of in-network payors is included as Item 2.C.

Agreements

- The applicant identifies UT Medical Center, Tennova North Knoxville Medical Center, Tennova Turkey Creek Medical Center, Tennova Jefferson Memorial Hospital, Ft. Loudon Medical Center, Blount Memorial Hospital, and others which it states that it will pursue hospital transfer agreements with related to this project.

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Staffing

- The applicant's Year One proposed direct patient care staffing includes the following:

	Year One
Direct Patient Care Positions	1.94
Non-Patient Care Positions	0.0
Contractual Staff	0.0
Total	1.94

Source: CN2210-039, Original Application, Page 29.

- Direct Care positions includes the following: RN (1.94 FTEs). There are no Non-Patient Care positions or Contractual Staff projected to be staffed for this project.
- The applicant explains its plan for coverage of the 24-county service area in response to Supplemental #1, Item 9, Page 8.
- The applicant provides a copy of the job description for the registered nurse position in Attachment 4C-1.
- Please refer to Item 8Q. on page 29 of the application for additional detail regarding project staffing.

QUALITY STANDARDS

- The applicant commits to obtaining and/or maintaining the following:

Licensure	Certification	Accreditation
Health Facilities Commission	None	ACHC

Source: CN2210-039, Original Application, Page 27.

- The applicant will apply for Licensure through the Tennessee Health Facilities Commission. It will not pursue Certification through Medicare and TennCare, and Accreditation through the Accreditation Commission for Health Care (ACHC) and/or another body with deeming authority for home health services for CMS.
- The applicant states that it will not contract Tennessee Managed Care Organizations (MCOs) serving the area because it will not become Medicare certified and will therefore not be eligible for participation in TennCare.
- The applicant will only serve patients of its affiliated pharmacies owned by Paragon Healthcare, Inc. and will adopt the policies of the parent entity related to data reporting, quality improvement, and outcome and process monitoring.

Department of Health Comments Attached: Yes No

CERTIFICATE OF NEED INFORMATION FOR THE APPLICANT:

There are no other Letters of Intent, denied applications, or outstanding Certificates of Need on file for this applicant.

Pending

Project Name	CareMax Pharmacy of Loudon, Inc. (Middle), CN2210-040
Project Cost	\$155,000
Meeting Date	January 25, 2023
Description	The establishment of a home health care organization and initiation of home health services limited to home infusion therapy services. The applicant's home office will be located at 601 Grassmere Park, Suite 19A, Nashville (Davidson County), Tennessee 37211. The proposed service area includes Cheatham, Davidson, Dickson, Macon, Maury, Montgomery, Robertson, Rutherford, Sumner, Trousdale, Williamson and Wilson Counties. The applicant is owned by PRMC Holdings, LLC (90%) and LWS Holdings, LLC (10%).

CERTIFICATE OF NEED INFORMATION FOR OTHER SERVICE AREA FACILITIES:

There are no other Letters of Intent, Pending, or Denied applications on file for other entities proposing this type of service.

Outstanding Applications

Project Name	TwelveStone Infusion Support, LLC, CN2205-025A
Project Cost	\$134,416
Meeting Date	August 24, 2022
Description	The establishment of a new home care organization to initiate and provide home health services to 90 counties limited to the administration of home infusion and injection products to pharmacy patients of pharmacies which are subsidiaries of TwelveStone, Holdings, Inc. The new home health organization's home office will be located at 352 West Northfield Boulevard, Suite 3, Murfreesboro (Rutherford County), Tennessee 37129. The applicant also plans to serve Grundy, Lake, and Perry Counties which are designated as economically distressed counties and are exempt from CON requirements. In addition to the three distressed counties, Bedford and Smith Counties are excluded from the proposed service area for this project. The applicant is owned by TwelveStone Holdings, Inc.
Project Status	Project was recently approved.
Expiration	October 1, 2024

Project Name	AccentCare Home Health of West Tennessee, CN2203-016A
Project Cost	\$317,508
Approval Date	June 22, 2022
Description	The establishment of a home care organization and the initiation of home health services. The applicant's parent office will be located at 855 Ride Lake Boulevard, Memphis (Shelby County), TN 38120. The proposed service area consists of Fayette, Shelby, and Tipton Counties. The applicant is owned by Horizon Group Holdings, L.P.
Project Status	Project was recently approved.
Expiration	8/1/2024

TPP (1/5/2022) revised

CRITERION AND
STANDARDS

Original Application

NOTE: Supplemental responses to criterion and standards follows in the supplemental attachments.

Attachment 1N
State Health Plan
Standards and Criteria
for
Home Health Services



STATE OF TENNESSEE

STATE HEALTH PLAN
CERTIFICATE OF NEED STANDARDS AND CRITERIA
FOR
HOME HEALTH SERVICES

1. **Determination of Need:** In a given county, 1.5 percent of the total population will be considered as the need estimate for home health services in that county. This 1.5 percent formula will be applied as a general guideline, as a means of comparison within the proposed Service Area.

Rationale: After much effort, the Division has determined that limitations of the data obtained from the current JAR form do not permit a revision of the Need formula, and that there are no more accurate data sources available. Consequently, it has at this time decided to retain the current Need formula from the Guidelines for Growth, and has repeated it herein. The Division commits to working with stakeholders to assess the data needs of the HSDA, the TDH, and stakeholders and to revise the JAR form accordingly. Once sufficient data are collected, a review of the Need formula will be undertaken.

The existing Need formula is admittedly a conservative one. The Division's research regarding Medicare-Medicaid fraud and abuse in the home health services industry supports a conservative Need formula. In 2012, the Government Accountability Office reported that 40% of all fraud convictions initiated by a group of Medicaid fraud-control units were for home health services — the biggest category of providers convicted through the Medicaid units' efforts. The Centers for Medicare and Medicaid Services (CMS) states that home health agencies offer services and supplies "vulnerable to fraud."

Response: Please see the table below in response to Standard 2, which applies the 1.5 percent formula to 2021 (the latest available year of final JAR data) and projects need for home health services for three years to 2024. Paragon notes that the rationale for this Standard explicitly indicates it is a conservative formula for defining need and that it is based on limited data. These limitations are borne out by the analysis presented herein, which finds that the actual average use rate of home health services in the service area is nearly double the rate assumed by the 1.5 percent formula (2.8 versus 1.5). The Agency notes that one reason for its conservative formula is the significant

potential for fraud and abuse within the home health care industry, particularly relating to Medicare and Medicaid patients. While that may be a valid concern for general home health services, as noted in this application, Paragon proposes to provide a much narrower subset of home health services—home infusion therapy services—to a very specialized patient population. Home infusion therapy services are delivered by a specially trained registered nurse with a medication dispensed for infusion therapy by a licensed pharmacist. In particular, Paragon expects to provide the following home infusion therapies to patients in the service area:

- Anti-infectives. These infusions treat acute and chronic bacterial and fungal infections that may result from any of a number of conditions, including: cellulitis, bone/joint infections, complicated urinary tract infections (UTIs), sepsis, pneumonia, gastrointestinal infections, abscesses, and endocarditis.
- Cardiac medications. These therapies include inotropic agents, which change the force of the heart's contractions to treat patients with congestive heart failure (CHF) and other cardiac complications.
- Nutritional support. These include enteral and total parenteral nutrition (TPN) for patients with malabsorptive disorders stemming from acute or chronic disease states.
- Immunoglobulin (IG) therapy. This may be delivered via either subcutaneous or intravenous (IV) methods and is used for primary and secondary immune deficiency disorders, including conditions such as Kawasaki syndrome, inflammatory demyelinating polyneuropathy, myasthenia gravis (MG), and multifocal motor neuropathy.
- Specialty medication infusions. These include treatments for:
 - Ulcerative colitis and Crohn's disease: Remicade, Entyvio
 - Multiple sclerosis (MS): Ocrevus and Tysabri
 - Thyroid eye disease: Tepezza
 - Amyotrophic lateral sclerosis (ALS): Radicava

Paragon does not expect to seek certification to serve Medicare or TennCare/Medicaid patients. Some of Paragon's infusion patients may meet Medicare criteria, in which case they will be referred to an existing HHA that will accept them. For Paragon's infusion patients that do not meet the qualifications for Medicare home health services or are otherwise not able to be served by existing HHAs, Paragon will provide the home infusion therapy nursing service regardless of a patient's payor status. Paragon will serve patients that existing HHAs cannot due to payor reimbursement that is often less than the cost of providing nursing services, if it is covered at all. If Paragon's infusion patients with Medicare and TennCare cannot be served by existing HHAs, Paragon will provide the nursing service but will not bill for it. Thus, because of the highly specialized nature of home infusion services, Paragon's proposed project does not raise the same underlying fraud risks as traditional home health services. As such, the 1.5 percent formula is neither the most effective nor accurate way to measure need for Paragon's project.

2. The need for home health services should be projected three years from the latest available year of final JAR data.

Note: The Division recognizes that a home care organization can be established within a 12-15 month period of time, and that ideally a one year planning horizon would be used. However, in this instance a three-year planning horizon is used because final JAR data lag significantly behind the current date. Final 2012 JAR data became available in May 2014, thus providing data for need to be projected in 2015 but not for any other future full calendar year. Should a change occur that enables TDH to provide final JAR data significantly earlier, the Division would propose a change in the planning horizon.

Response: Please see Table 1N-2 below for the current and projected estimated need in each of the 25 service area counties using the 1.5 percent formula. Please see Attachment 1N-2 for population data used in the table.

Table 1N-2

<i>County</i>	<i>Population</i>		<i>Estimated Need (at 1.5%)</i>	
	<i>2021</i>	<i>2024</i>	<i>2021</i>	<i>2024</i>
Anderson	77,573	78,266	1,164	1,174
Bledsoe	15,245	15,490	229	232
Blount	137,602	138,267	2,064	2,074
Bradley	110,171	112,020	1,653	1,680
Campbell	39,571	39,163	594	587
Claiborne	32,277	32,392	484	486
Cocke	36,419	36,363	546	545
Cumberland	62,458	63,470	937	952
Fentress	18,844	18,524	283	278
Grainger	23,758	23,762	356	356
Hamblen	64,475	66,458	967	997
Hamilton	369,133	379,958	5,537	5,699
Jefferson	55,615	56,445	834	847
Knox	486,685	490,549	7,300	7,358
Loudon	55,694	57,017	835	855
Marion	28,875	28,466	433	427
McMinn	54,056	54,607	811	819
Meigs	13,036	12,753	196	191
Monroe	46,701	48,029	701	720
Rhea	33,145	34,277	497	514
Roane	53,994	53,400	810	801
Sequatchie	16,396	15,812	246	237
Sevier	99,512	105,864	1,493	1,588
Union	20,041	19,963	301	299

Total for CON-Reviewable Counties	1,951,276	1,981,315	29,269	29,720
Morgan County (CON-Exempt)	21,260	22,043	319	331
Grand Total	1,972,536	2,003,358	29,588	30,050

Source (2021 data): Tennessee Department of Health, Division of PHA; based on interpolated data from the U.S. Census, Annual Estimates of the Resident Population: April 1, 2010 to July 1, 2021. Accessed at <https://www.tn.gov/content/dam/tn/health/documents/population/TN-Population-by-AgeGrp-Sex-Race-Ethnicity-2021.pdf>

Source: (2024 data): CON Population Estimates, Boyd Center for Business and Economic Research, University of Tennessee, Knoxville Reassembled by the Tennessee Department of Health, Division of Policy, Planning and Assessment. Accessed at <https://www.tn.gov/content/dam/tn/health/documents/population/CON-Population-Estimates-2022-2024.pdf>

Note: Totals may not foot due to computer rounding.

- The use rate of existing home health agencies in each county of the Service Area will be determined by examining the latest utilization rate as calculated from the JARs of existing home health agencies in the Service Area. Based on the number of patients served by home health agencies in the Service Area, an estimation will be made as to how many patients could be served in the future.

Rationale: This Standard is carried over from the Guidelines for Growth.

Response: Please see Table 1N-3 below for the home health patient utilization rate by county for 2021, as well as the use rate per 1,000 patients.

Table 1N-3

County	Population (2021)	Home Health Patients (2021)	Use Rate / 1,000 Patients (2021)
Anderson	77,573	2,623	33.8
Bledsoe	15,245	351	23.0
Blount	137,602	3,515	25.5
Bradley	110,171	2,732	24.8
Campbell	39,571	1,127	28.5
Claiborne	32,277	1,342	41.6
Cocke	36,419	1,427	39.2
Cumberland	62,458	2,117	33.9
Fentress	18,844	1,062	56.4
Grainger	23,758	854	35.9
Hamblen	64,475	2,658	41.2
Hamilton	369,133	9,349	25.3
Jefferson	55,615	1,785	32.1
Knox	486,685	11,028	22.7

Loudon	55,694	1,699	30.5
Marion	28,875	839	29.1
McMinn	54,056	1,626	30.1
Meigs	13,036	425	32.6
Monroe	46,701	1,539	33.0
Rhea	33,145	937	28.3
Roane	53,994	2,243	41.5
Sequatchie	16,396	420	25.6
Sevier	99,512	2,546	25.6
Union	20,041	469	23.4
Total for CON-Reviewable Counties	1,951,276	54,713	28.0
Morgan County (CON-Exempt)	21,260	654	30.8
Grand Total	1,972,536	55,367	28.1

Source (2021 data): Tennessee Department of Health, Division of PHA; based on interpolated data from the U.S. Census, Annual Estimates of the Resident Population: April 1, 2010 to July 1, 2021. Accessed at <https://www.tn.gov/content/dam/tn/health/documents/population/TN-Population-by-AgeGrp-Sex-Race-Ethnicity-2021.pdf>

Source (Home Health Patient Data): Tennessee Department of Health, Joint Annual Reports (JARs), 2021. Accessed at <https://apps.health.tn.gov/publicjars/default.aspx>

Note: Totals may not foot due to computer rounding.

Please see Attachment 1N-3 for projected home health capacity by county, projected home health need, and the projected deficit/surplus by county.

4. **County Need Standard:** The applicant should demonstrate that there is a need for home health services in each county in the proposed Service Area by providing documentation (e.g., letters) where: a) health care providers had difficulty or were unable successfully to refer a patient to a home care organization and/or were dissatisfied with the quality of services provided by existing home care organizations based on Medicare's system Home Health Compare and/or similar data; b) potential patients or providers in the proposed Service Area attempted to find appropriate home health services but were not able to secure such services; c) providers supply an estimate of the potential number of patients that they might refer to the applicant.

Rationale: This Standard seeks to promote State Health Plan Principle 2 concerning Access to Care. The Division believes that if the Need formula is not met, a pattern of problems with referring patients successfully to home care organizations should be demonstrated by the applicant. If no such pattern can be established, there is likely not a need for a new home care organization.

Response: While the analysis in Attachment 1N-3 appears to indicate that most of the counties in the service area have sufficient home health capacity, Paragon believes the data do not capture the need for home infusion therapy as discussed in this application. Because most of the existing agencies do not provide home infusion therapy services,

their potential available capacity is irrelevant to the proposed service. Moreover, Paragon notes that the home health methodology and use rate of 1.5 percent has not been updated in several years. An examination of the actual use rates from the service area shown in Table 1N-3 demonstrate that use rates are higher than 1.5 percent (which equates to 15 per 1,000) in every county. Some counties even have use rates that are nearly twice that rate or higher.

Paragon operates in multiple states, including Alabama, Colorado, Florida, Georgia, Louisiana, Missouri, Oklahoma, Tennessee, and Texas, providing a variety of pharmacy-related services, including outpatient infusion centers, specialty pharmacy, and, in states where permitted by regulations, home infusion therapy. In Tennessee, Paragon operates two pharmacies, one each in Knoxville and Nashville, and three outpatient infusion centers, one each in Knoxville, Nashville and Hendersonville. This experience positions Paragon to be keenly aware of the deficit of home health infusion services in the proposed service area counties, which further supports the fact that the general home health use rate does not appropriately measure the need for home health infusion providers in the service area.

In particular, the need for the proposed project is driven by Paragon's inability to effectively deliver infusion and related nursing services to its patients who have been prescribed various infusion treatments by their physicians, including anti-infectives, cardiac infusions, TPN, IVIG, or specialty medications. While Paragon is able to provide a patient's medications through its pharmacies and while some patients can receive infusion therapy at Paragon's infusion center in East Tennessee (Knoxville), the majority of Paragon's patients need the ability to receive these specialized medications in the comfort of their homes. For example, many of Paragon's patients have recently been discharged from an acute care setting and are still recovering at home. Others are unable or unwilling to travel to a center for their infusions, particularly when these patients are receiving infusions every few weeks or even more frequently. While both the obvious choice and Paragon's optimal choice, historically, is to coordinate with existing home health providers to deliver the care, in recent years, it has become clear, for the reasons outlined below, that this is no longer a feasible option for Paragon to furnish its infusion medications in patients' homes.

- Unavailability of trained RNs. Traditional home health agencies provide care through different types of practitioners, including RNs, LPNs, home health aides, therapists and others. Of the typical home health staff, only RNs are qualified to provide infusion therapy. To appropriately assess patient responses and monitor the patient during administration, these RNs must be specifically trained in delivering the applicable types of infusion medications, as the various types of infusion are often administered differently and have different potential side effects on patients. In other words, an RN with no specific training to administer infusions in the home—like many RNs that HHAs staff—would not be trained to provide the infusion therapies described above. Paragon's experience with existing home health agencies indicates that these agencies do not staff a sufficient number of RNs with the appropriate level of training to deliver home infusion therapy.
- Limited scope of existing home health services. According to the most recent JAR reports, while some existing home health agencies are able to provide infusion therapy, most do not. As noted in Attachment 1N-5, only 10 agencies serving the proposed service area actually provide infusion therapy; however, the data do not

specify whether any of these infusion therapy visits were actually performed in the proposed service area. Further, the JAR only segments infusion therapy for “pain management” and “other,” without additional distinction; based on Paragon’s experience, most of these agencies are unable to accept Paragon’s patients in need of home infusion therapy. This could be attributed to a number of reasons, such as a shortage of appropriately trained staff and insufficient reimbursement for the level of care that is required for most infusion patients. Further, as previously noted, Paragon intends to serve patients who may not have a payor that reimburses for home infusion and related nursing care, including Medicare and TennCare. For many of these home health agencies, providing services to these patients would not be financially feasible.

- Lack of existing agency availability. Most existing home health agencies are focused on treating patients with generalized needs. Thus, even if an agency does provide home infusion services, because these are a very limited subset of the scope of services offered by the agency, Paragon finds that it is often difficult to find an agency that is able to accept a patient in need of home infusion therapy. Existing agencies may lack availability for one of multiple reasons, such as:
 - Patients’ need for infusion therapy on the same day as discharge: In an effort to lower the cost of patient care, hospitals are focused on decreasing lengths of stay and discharging patients when acute care is no longer needed. For patients needing to have anti-infective infusion therapy administered on the same day they are discharged from the hospital, traditional home health agencies often do not have infusion-trained nurses available to care for the patient on the same day. As a result, hospitals must delay a patient’s discharge, leading to higher costs and patient frustration, which is not optimal for ensuring safe, high quality care. Patients who live close to an infusion center may be able to have the infusion service initiated there, but for patients who are recovering from an acute inpatient stay and are often immunocompromised, spending hours in an infusion center with other patients instead of going home is certainly sub-optimal. If a patient must remain in the hospital, Paragon works with the hospital to attempt to have a Clinical Liaison (who is an RN) assess the patient at bedside and provide as much teaching and demonstration as possible; however, Paragon believes the most effective location for education and training is in the setting in which the patient will be receiving future treatments—their home.
 - Time or location intensive care required: Paragon’s experience is that existing home health agencies often do not have sufficient nursing staff available to care for the particular needs that may arise when an infusion is administered. For example:
 - Extended infusion time (anything more than 30 minutes, which is common, as some therapies can take up to six hours to infuse).
 - A patient’s first dose of a new medication. When a patient begins an infusion, it could be the patient’s first dose after acute care discharge, which traditional HHAs are reluctant to provide because of the time required for the first dose and the potential for unforeseen side effects. It could also be a change in medication while the patient is

already receiving home care from another HHA. For example, a patient receiving vancomycin for osteomyelitis could develop a decline in renal function, requiring a switch to a non-nephrotoxic medication. Traditional home health agencies typically will not monitor a patient in the home for the first dose of the new medication (even if the patient was already in their care) because of the nursing skills (the knowledge needed of the new medication, its potential side effects and actions to take if patients exhibited symptoms of an adverse reaction) and time needed to monitor the patient. As a result, the patient would have to be readmitted to an acute care hospital where the new medication could be initiated—a higher cost, less consumer-friendly situation. As another example, an oncology patient with extreme failure to thrive due to a lack of ability to eat consistently will often be prescribed total parenteral nutrition (TPN). While TPN can be initiated at home, it requires a two-hour observation from a home health nurse to ensure that the patient can tolerate all components of TPN. Of note, Paragon will not provide oncology infusions/chemotherapy in the home; however, it does provide TPN to oncology patients. In situations where an existing HHA can eventually but not immediately take a patient, Paragon will provide the first dose to the patient in coordination with the existing HHA, and when the other HHA is ready to initiate (or re-initiate) services to the patient, Paragon will transfer the patient to the traditional HHA.

- Patients in rural areas. While trained home infusion therapy nurses are generally difficult to find, they are exceptionally hard to find in rural areas. Since patients in rural areas are also farther from infusion centers, they often face a greater burden from transportation and cost challenges and would be better served by care provided in their homes. Paragon's nurses are trained for the therapy being administered, including the potential for any adverse reactions. In case of an adverse drug reaction or other emergency, in rural or non-rural areas, Paragon's nurses have 24/7 access to pharmacists, and will reach out to them and/or EMS based on the reaction management protocols specific to the therapy being provided. Patients will also have 24/7 telephone access to a pharmacist as needed.

For these and other reasons, without an HHA license, Paragon has struggled to find ways to meet the care needs of its pharmacy patients in Tennessee. In other states, Paragon has had limited success contracting with existing home health agencies to be the “payor” for patients needing nursing care for infusion therapy. Paragon has found most Tennessee agencies are not receptive to this approach, primarily because their business model—one which, unfortunately, frequently leaves the thinnest of margins—does not support providing hours of nursing care in a day to a single patient. As stated previously, Paragon does have existing outpatient infusion centers, and some patients can tolerate receiving infusion services there; however, this is not a viable long-term option for patients that require ongoing nursing care that can be safely delivered in their homes, particularly for those that are immunocompromised. Ultimately, given these circumstances, patients suffer, as they are not provided the care they need at the right time (upon discharge) at the right place (in their homes) and by the right provider (a trained home health infusion therapy nurse). Paragon believes that such care is not of

sufficient quality for Tennesseans, and consumers are disadvantaged from a lack of competition for these services, as evidenced by such instances in which Paragon must simply turn patients away.

Paragon has experienced a growing number of patients receiving infusion therapy from its existing pharmacies. In the first eight months of 2022 alone, Paragon struggled to furnish home infusion services to approximately 209 patients due to existing agencies' inability to provide appropriate home health services. These patients included patients who needed infusions on the same day as discharge from acute care, patients receiving a first dose of a particular medication, patients in rural areas or at a distance from infusion centers, and patients otherwise in need of home infusion therapy. On an annualized basis, that represents 314 patients that Paragon would have served through its own home health agencies. This number is growing rapidly and will serve as the basis for the patients that Paragon will refer to its HHA, if approved.

5. **Current Service Area Utilization:** The applicant should document by county: a) all existing providers of home health services within the proposed Service Area; and b) the number of patients served during the most recent 12-month period for which data are available. To characterize existing providers located within Tennessee, the applicant should use final data provided by the JARs maintained by the Tennessee Department of Health. In each county of the proposed Service Area, the applicant should identify home health agencies that have reported serving 5 or fewer patients for each of the last three years based on final and available JAR data. If an agency in the proposed Service Area who serves few or no patients is opposing the application, that opponent agency should provide evidence as to why it does not serve a larger number of patients.

Rationale: From comments expressed by many stakeholders, the Division is aware that a home care organization may be licensed to provide services in a county/Service Area but may serve few or no patients there. The Division believes this situation may unreasonably impede the expansion of home health services in a county/Service Area and that any such home care organization that is opposing an application should provide evidence that supports its low market penetration.

Response: Please see Attachment 1N-5. Home health agencies that reported serving five or fewer patients for each of the last three years are highlighted in yellow. Please note that Amedisys Home Health Care—Rutherford (ID # 75064) is included because it is licensed in Paragon's proposed service area, specifically in Marion County only. While Amedisys did provide infusion therapy visits from its Rutherford County office, it did not provide any visits—infusion or otherwise—in Paragon's proposed service area and is therefore highlighted.

6. **Adequate Staffing:** Using TDH Licensure data, the applicant should document a plan demonstrating the intent and ability to recruit, hire, train, assess competencies of, supervise, and retain the appropriate numbers of qualified personnel to provide the services described in the application and document that such personnel are available to work in the proposed Service Area. The applicant should state the percentage of qualified personnel directly employed or employed through a third party staffing agency.

Rationale: This Standard seeks to promote State Health Plan Principle 5 concerning a sufficient and quality health care work force. Home care organization workers do not necessarily need to live in the county in which they work. However, in the short-term, the

number of possible workers in a general area is unlikely to change quickly. In order to promote economic efficiencies and access to health care through reduced personnel cost, applicants should demonstrate that they have a plan to recruit sufficient workforce in the general area within reasonable commuting distance of the proposed Service Area. Moreover, the applicant should present its long-term plans to ensure an adequate supply of quality home care workers is available to meet future needs.

Response: Paragon will seek and maintain licensure from the Tennessee Department of Health as a home care organization providing home health services, specifically limited to infusion therapy. Paragon has reviewed the licensure standards for home care organizations found at Chapter 1200-08-26 and will comply with applicable standards, including those related to staffing. Paragon plans to utilize registered nurses (RNs) to deliver the proposed infusion therapy services; these RNs will have or receive the training necessary to perform home infusion therapy. As an existing provider of infusion services in its infusion centers in Tennessee and other states, Paragon is well-aware of the particular education, training and assessment requirements for staff performing these services. Further, Paragon already employs appropriately trained nurses who can deliver infusion therapy services, as well as clinical liaisons (who are RNs) who may fill some of the staffing roles needed for the proposed project. Please see Attachment 4C for Paragon's job description for home health RNs and Attachment 5C for its quality and training/job requirement policies.

Paragon recognizes the struggle faced by many home health agencies in delivering infusion therapy. The proposed project is designed to enable Paragon to address these issues. Upon approval of the proposed project, Paragon will develop a licensed home health agency to provide nursing care to its patients and resolve many of the care challenges described above. In other states where Paragon is permitted to provide home nursing care for its infusion therapy patients, its nurses are trained in accordance with infusion nursing standards to provide exemplary care and a smooth transition from the hospital to home; all its programs are accredited through the ACHC. Paragon will require the same level of training in Tennessee and will also seek ACHC accreditation. As stated elsewhere, Paragon intends to provide the proposed home nursing services only to its own infusion therapy patients residing in the service area.

The following narrative describes the way in which Paragon intends to provide the service, based on the care it currently provides in other states.

- Patients are deemed eligible for home nursing support from Paragon if they are an active patient of Paragon's pharmacies.
 - In addition, they must have a prescription for and receive medication for an intravenous or subcutaneous/injectable medication or enteral therapy that requires nursing support for administration, teaching, and monitoring.
 - The patient must have a home environment that is safe for home IV therapy, including, but not limited to: running water, a clean area for storage and preparation of medications, electricity, and access to telephone and emergency services.
- Patients who are eligible for in-home nursing support will have 24/7 telephone (voice) access to a pharmacist and registered nurse.

- In-home nursing support consists of assessments, education, and infusion assistance during scheduled visits and, if necessary, during “on call” visits. When necessary, nursing staff will make visits to outpatient facilities, schools, or other places in the community to ensure appropriate patient care.

Paragon does not propose to operate a traditional home health agency, nor does it expect to compete with existing home health agencies for patients. The projected utilization in this application is based solely on patients of Paragon’s pharmacies for whom Paragon was unable to find an existing HHA to provide their infusions; it does not include any patients for whom Paragon has successfully been able to refer to existing traditional home health agencies. As such, Paragon will always attempt to use an existing home health agency to provide a patient’s home infusion care. If another home health agency is not available to serve the patient until a later date, a Paragon nurse will visit the patient on the day of discharge to initiate the treatment. Then, Paragon will transition the patient’s care to the agency when it becomes available. Similarly, and as noted previously, if a patient requires a first dose of a medication, Paragon can provide that service, then hand the patient over to another agency for future doses that have less risk of complications. But, in instances where an existing home health agency cannot adequately meet a patient’s needs or is otherwise unavailable, Paragon will provide home infusion services. For example, Paragon will provide care to patients requiring long infusion times or serial daily visits, such as when a hospital requests visits on three consecutive days for TPN to decrease risk of readmissions.

7. **Community Linkage Plan:** The applicant should provide a community linkage plan that demonstrates factors such as, but not limited to, referral arrangements with appropriate health care system providers/services (that comply with CMS patient choice protections) and working agreements with other related community services assuring continuity of care focusing on coordinated, integrated systems. A new provider may submit a proposed community linkage plan.

Rationale: This Standard seeks to promote State Health Plan Principles 3 and 4 concerning Economic Efficiencies and Quality of Care, respectively. In order to promote economic efficiencies and the quality of health care provided in Tennessee, applicants should demonstrate that they have established relationships with other health care providers that will ensure a continuity of care for their patients.

Response: As an existing specialty pharmacy and infusion services provider in the service area, Paragon has extensive relationships with the healthcare community to ensure coordinated, continuous care for its patients. As described previously, the need for the proposed project stems directly from Paragon’s specialty pharmacy experience and its firsthand knowledge of the lack of sufficient resources to provide home health nursing services for infusion therapy patients.

Based on Paragon’s experience, the majority of patients in need of home infusion therapy are post-acute care discharge patients. As such, Paragon has established relationships with acute care providers in the service area from which Paragon regularly receives referrals, including the acute care hospital systems in Knox and surrounding counties (e.g., UT Medical Center, Tennova North Knoxville Medical Center, Tennova Turkey Creek Medical Center, Tennova Jefferson Memorial Hospital, Ft. Loudon Medical Center, Blount Memorial Hospital, and others). In addition to service area inpatient

providers, Paragon receives patients in need of infusion services from physician practices and other post-acute care providers in the service area.

Paragon also works with numerous existing home health agencies in the service area as, historically, it has relied upon existing agencies to deliver home infusion therapy to patients. However, as discussed previously, existing agencies are unable to serve an increasing number of patients. Upon approval of the proposed project and receipt of a license to provide home health infusion services, Paragon will continue to work with these agencies as it does not intend to provide general home health services (and expects to be conditioned not to do so). Paragon will also work with these existing agencies to ensure patients who qualify for general home health services are effectively transitioned to another provider. Finally, as discussed above, where appropriate, Paragon will continue to coordinate with existing home health agencies for patients' home infusion care.

8. **TennCare Managed Care Organizations (MCOs) and Financial Viability:** Given the time frame required to obtain Medicare certification, an applicant proposing to contract with the Bureau of TennCare's MCOs should provide evidence of financial viability during the time period necessary to receive such certification. Applicants should be aware that MCOs are under no obligation to contract with home care organizations, even if Medicare certification is obtained, and that Private Duty Services are not Medicare certifiable services. Applicants who believe there is a need to serve TennCare patients should contact the TennCare MCOs in the region of the proposed Service Area and inquire whether their panels are open for home health services, as advised in the notice posted on the HSDA website, to determine whether at any given point there is a need for a provider in a particular area of the state; letters from the TennCare MCOs should be provided to document such need. See Note 2 for additional information.

Applicants should also provide information on projected revenue sources, including non-TennCare revenue sources.

Rationale: This Standard seeks to promote State Health Plan Principle 3 concerning Economic Efficiencies. This Standard further seeks to promote the orderly development of the health care system by bringing to the forefront issues concerning Medicaid/Medicare certification.

Response: Not applicable. Paragon does not intend to seek TennCare certification.

9. **Proposed Charges:** The applicant's proposed charges should be reasonable in comparison with those of other similar agencies in the Service Area or in adjoining service areas. The applicant should list:

Rationale: This Standard seeks to promote State Health Plan Principle 3 concerning Economic Efficiencies through greater marketplace transparency.

- a. The average charge per visit and/or episode of care by service category, if available in the JAR data.

Response: Please see Attachment 1N-9-1, which lists the charge per visit from the JARs for those agencies in the service area that report charge data for home infusion

therapy. Of note, the JARs do not provide average charges specific to the various types of therapies Paragon expects to provide.

- b. The average charge per patient based upon the projected number of visits and/or episodes of care and/or hours per patient, if available in the JAR data.

Response: Please see Attachment 1N-9-2 for visits and hours for agencies reporting providing home infusion therapy. The JAR does not provide data for average charges per patient.

10. **Access:** In concert with the factors set forth in HSDA Rule 0720-11-.01(1)(which lists those factors concerning need on which an application may be evaluated), the HSDA may choose to give special consideration to an applicant that is able to show that there is limited access in the proposed Service Area for groups with special medical needs such as, but not limited to, medically fragile children, newborns and their mothers, and HIV/AIDS patients. Pediatrics is a special medical needs population, and therefore any provider applying to provide these services should demonstrate documentation of adequately trained staff specific to this population's needs with a plan to provide ongoing best practice education. For purposes of this Standard, an applicant should document need using population, service, special needs, and/or disease incidence rates. If granted, the Certificate of Need should be restricted on condition, and thus in its licensure, to serving the special group or groups identified in the application. The restricting language should be as follows: **CONDITION:** Home health agency services are limited to (identified specialty service group); the expansion of service beyond (identified specialty service group) will require the filing of a new Certificate of Need application. Please see Note 3 regarding federal law prohibitions on discrimination in the provision of health care services.

Rationale: This Standard seeks to promote State Health Plan Principle 2 concerning Access to Care.

Response: Paragon will promote access to care. The proposed project is focused on addressing the needs of patients receiving infusion therapy who would be best served in their homes but for whom home infusion services are largely unavailable through existing home health agencies. As an existing pharmacy with experience dispensing infusion medication to patients in Tennessee, Paragon has extensive knowledge of the patients who require the infusion services proposed in this application. In particular, Paragon expects to serve patients with special health concerns that would benefit from home infusion therapy, such as those receiving anti-infectives, special cardiac infusions, TPN, IG therapy, or specialty medications for conditions like Crohn's disease, MS, and ALS.

Existing HHAs have been unable to serve hundreds of Paragon's pharmacy patients in these categories because of a lack of available RNs with the requisite training or because they are not sufficiently reimbursed for the cost of infusion therapy provided by a home health nurse. In contrast, if approved, Paragon would be able to care for these patients, providing this population access to home infusion services that would otherwise not exist.

Paragon understands that, if granted, its application should be conditioned as follows: Home health agency services are limited to home infusion therapy services for patients

of pharmacies owned by Paragon Healthcare, Inc., and the expansion of the service beyond the service group identified in this application will require the filing of a new Certificate of Need application.

11. **Quality Control and Monitoring:** The applicant should identify and document its existing or proposed plan for data reporting (including data on patient re-admission to hospitals), quality improvement, and an outcome and process monitoring system (including continuum of care and transitions of care from acute care facilities). If applicable, the applicant should provide documentation that it is, or that it intends to be, fully accredited by the Joint Commission, the Community Health Accreditation Program, Inc., the Accreditation Commission for Health Care, and/or other accrediting body with deeming authority for home health services from CMS.

Rationale: This Standard seeks to promote the State Health Plan Principle 4 concerning Quality of Care. The Division recognizes that certain home care organizations are certified by CMS but are not necessarily accredited by the entities listed above.

Response: Paragon will seek and maintain accreditation from the Accreditation Commission for Health Care, Inc. (ACHC), the gold standard¹ in home health accrediting organizations. Further, Paragon believes that infusion therapy services provided in the home are safe, effective and of high quality, particularly when performed by organizations with extensive experience, such as Paragon. A 2017 research study published in *Healthcare: The Journal of Delivery Science and Innovation* found that “home infusion care can provide safe, clinically effective care, improve quality of life, and reduce overall healthcare costs.”² The study found that home infusion therapy, when administered by skilled, well-trained clinicians such as those that will be utilized by Paragon, is optimal for patients in multiple ways, including:

- Better clinical outcomes/fewer complications (which supports Need and Quality)
- Preferred by patients (which supports Need and Consumer Advantage)
- Decreased disruptions to family and personal obligations (which supports Need and Consumer Advantage); and,
- Resulted in 50 percent fewer side effects than in hospitals or similar settings (which supports Need, Quality and Consumer Advantage).

Please see Attachment 5C for Paragon’s relevant quality policies.

12. **Data Requirements:** Applicants should agree to provide the Department of Health and/or the Health Services and Development Agency with all reasonably requested information and statistical data related to the operation and provision of services and to report that data in the time and format requested. As a standard of practice, existing data reporting streams will be relied upon and adapted over time to collect all needed information.

¹ For organizations seeking Medicare reimbursement for home infusion nursing services (which Paragon is currently not), CMS requires accreditation through ACHC’s Home Infusion Therapy Accreditation program; as such, ACHC’s accreditation standards meet or exceed CMS requirements.

² Polinski, et al. “Home infusion: Safe, clinically effective, patient preferred, and cost saving,” *Healthcare: The Journal of Delivery Science and Innovation*, Vol. 5, Issues 1-2, March 2017, <https://doi.org/10.1016/j.hidsi.2016.04.004>

Rationale: This Standard seeks to promote accurate health planning through the availability of accurate and timely data.

Response: Paragon agrees to provide the Department of Health and/or the Agency with such information and data as reasonably requested.

Attachment 1N-2
Current and Projected Population
Data

Tennessee Population Estimates 2022 and 2024 *

	Population Estimate 2022			Population Estimate 2024			% Increase	
	Total	0-17	% 0-17	Total	0-17	% 0-17	0-17	Total
Tennessee	6,997,493	1,541,977	22.0%	7,102,950	1,558,170	21.9%	1.1%	1.5%
Anderson	77,746	15,823	20.4%	78,266	15,814	20.2%	-0.1%	0.7%
Bedford	51,436	12,741	24.8%	52,579	12,970	24.7%	1.8%	2.2%
Benton	16,259	3,120	19.2%	16,273	3,071	18.9%	-1.6%	0.1%
Bledsoe	15,265	2,250	14.7%	15,490	2,252	14.5%	0.1%	1.5%
Blount	136,116	26,692	19.6%	138,267	26,906	19.5%	0.8%	1.6%
Bradley	110,318	23,808	21.6%	112,020	23,985	21.4%	0.7%	1.5%
Campbell	39,348	7,800	19.8%	39,163	7,694	19.6%	-1.4%	-0.5%
Cannon	14,791	3,018	20.4%	14,925	2,995	20.1%	-0.8%	0.9%
Carroll	27,767	6,030	21.7%	27,602	5,953	21.6%	-1.3%	-0.6%
Carter	55,761	9,725	17.4%	55,364	9,473	17.1%	-2.6%	-0.7%
Ceatham	41,212	8,635	21.0%	41,527	8,552	20.6%	-1.0%	0.8%
Chester	17,394	3,925	22.6%	17,462	3,871	22.2%	-1.4%	0.4%
Claiborne	32,217	5,829	18.1%	32,392	5,692	17.6%	-2.3%	0.5%
Clay	7,768	1,510	19.4%	7,774	1,493	19.2%	-1.1%	0.1%
Cocke	36,221	6,924	19.1%	36,363	6,812	18.7%	-1.6%	0.4%
Coffee	57,147	13,306	23.3%	57,822	13,356	23.1%	0.4%	1.2%
Crockett	14,300	3,259	22.8%	14,269	3,236	22.7%	-0.7%	-0.2%
Cumberland	62,326	10,442	16.8%	63,470	10,470	16.5%	0.3%	1.8%
Davidson	717,032	156,667	21.8%	727,642	160,372	22.0%	2.4%	1.5%
Decatur	11,711	2,326	19.9%	11,695	2,296	19.6%	-1.3%	-0.1%
DeKalb	20,730	4,275	20.6%	20,988	4,274	20.4%	0.0%	1.2%
Dickson	55,704	12,352	22.2%	56,741	12,455	21.9%	0.8%	1.9%
Dyer	37,465	8,773	23.4%	37,505	8,761	23.4%	-0.1%	0.1%
Fayette	42,567	7,834	18.4%	43,500	7,989	18.4%	2.0%	2.2%
Fentress	18,451	3,689	20.0%	18,524	3,657	19.7%	-0.9%	0.4%
Franklin	42,297	8,517	20.1%	42,466	8,466	19.9%	-0.6%	0.4%
Gibson	49,445	11,716	23.7%	49,606	11,701	23.6%	-0.1%	0.3%
Giles	29,403	6,079	20.7%	29,314	6,001	20.5%	-1.3%	-0.3%
Grainger	23,595	4,513	19.1%	23,762	4,469	18.8%	-1.0%	0.7%
Greene	69,852	13,117	18.8%	70,107	13,018	18.6%	-0.8%	0.4%
Grundy	13,072	2,636	20.2%	12,920	2,551	19.7%	-3.2%	-1.2%
Hamblen	65,862	14,827	22.5%	66,458	14,935	22.5%	0.7%	0.9%
Hamilton	375,027	78,747	21.0%	379,958	79,675	21.0%	1.2%	1.3%
Hancock	6,431	1,254	19.5%	6,364	1,214	19.1%	-3.2%	-1.0%
Hardeman	24,981	4,666	18.7%	24,837	4,560	18.4%	-2.3%	-0.6%
Hardin	25,795	5,013	19.4%	25,758	4,910	19.1%	-2.0%	-0.1%
Hawkins	56,619	10,562	18.7%	56,546	10,348	18.3%	-2.0%	-0.1%
Haywood	16,899	3,606	21.3%	16,681	3,518	21.1%	-2.4%	-1.3%
Henderson	28,158	6,165	21.9%	28,286	6,128	21.7%	-0.6%	0.5%
Henry	32,644	6,363	19.5%	32,734	6,288	19.2%	-1.2%	0.3%
Hickman	25,613	5,043	19.7%	25,845	4,992	19.3%	-1.0%	0.9%
Houston	8,384	1,747	20.8%	8,436	1,741	20.6%	-0.4%	0.6%
Humphreys	18,618	3,851	20.7%	18,661	3,817	20.5%	-0.9%	0.2%
Jackson	11,976	2,129	17.8%	12,054	2,132	17.7%	0.2%	0.6%
Jefferson	55,709	10,753	19.3%	56,445	10,754	19.1%	0.0%	1.3%
Johnson	17,711	2,832	16.0%	17,657	2,768	15.7%	-2.3%	-0.3%
Knox	482,417	103,410	21.4%	490,549	105,106	21.4%	1.6%	1.7%
Lake	7,321	979	13.4%	7,280	944	13.0%	-3.5%	-0.6%
Lauderdale	25,815	5,577	21.6%	25,783	5,510	21.4%	-1.2%	-0.1%
Lawrence	44,324	10,292	23.2%	44,543	10,096	22.7%	-1.9%	0.5%

Tennessee Population Estimates 2022 and 2024 *

	Population Estimate 2022			Population Estimate 2024			% Increase	
	Total	0-17	% 0-17	Total	0-17	% 0-17	0-17	Total
Lewis	12,134	2,475	20.4%	12,138	2,433	20.0%	-1.7%	0.0%
Lincoln	34,677	7,212	20.8%	34,919	7,112	20.4%	-1.4%	0.7%
Loudon	55,779	10,372	18.6%	57,017	10,468	18.4%	0.9%	2.2%
McMinn	54,221	11,188	20.6%	54,607	11,170	20.5%	-0.2%	0.7%
McNairy	26,143	5,399	20.6%	26,253	5,346	20.4%	-1.0%	0.4%
Macon	25,375	6,194	24.4%	25,900	6,302	24.3%	1.7%	2.1%
Madison	97,958	22,207	22.7%	98,091	22,047	22.5%	-0.7%	0.1%
Marion	28,530	5,738	20.1%	28,466	5,651	19.9%	-1.5%	-0.2%
Marshall	35,034	7,946	22.7%	35,663	8,036	22.5%	1.1%	1.8%
Mauzy	100,386	23,012	22.9%	103,252	23,593	22.9%	2.5%	2.9%
Meigs	12,616	2,478	19.6%	12,753	2,473	19.4%	-0.2%	1.1%
Monroe	47,548	9,396	19.8%	48,029	9,289	19.3%	-1.1%	1.0%
Montgomery	223,240	60,476	27.1%	231,789	63,022	27.2%	4.2%	3.8%
Moore	6,495	1,188	18.3%	6,530	1,184	18.1%	-0.3%	0.5%
Morgan	21,911	4,013	18.3%	22,043	3,981	18.1%	-0.8%	0.6%
Obion	29,967	6,378	21.3%	29,782	6,332	21.3%	-0.7%	-0.6%
Overton	22,614	4,612	20.4%	22,851	4,631	20.3%	0.4%	1.0%
Perry	8,191	1,763	21.5%	8,251	1,759	21.3%	-0.3%	0.7%
Pickett	5,022	838	16.7%	4,987	815	16.3%	-2.8%	-0.7%
Polk	17,226	3,216	18.7%	17,362	3,200	18.4%	-0.5%	0.8%
Putnam	82,286	17,980	21.9%	83,919	18,282	21.8%	1.7%	2.0%
Rhea	33,892	7,331	21.6%	34,277	7,261	21.2%	-1.0%	1.1%
Roane	53,377	9,591	18.0%	53,400	9,496	17.8%	-1.0%	0.0%
Robertson	74,294	17,124	23.0%	75,837	17,365	22.9%	1.4%	2.1%
Rutherford	357,199	87,612	24.5%	373,482	91,220	24.4%	4.1%	4.6%
Scott	22,172	5,112	23.1%	22,204	5,057	22.8%	-1.1%	0.1%
Sequatchie	15,518	3,074	19.8%	15,812	3,101	19.6%	0.9%	1.9%
Sevier	103,319	20,604	19.9%	105,864	20,950	19.8%	1.7%	2.5%
Shelby	944,036	232,951	24.7%	947,551	233,093	24.6%	0.1%	0.4%
Smith	20,435	4,465	21.8%	20,649	4,471	21.7%	0.1%	1.0%
Stewart	13,765	2,734	19.9%	13,844	2,707	19.6%	-1.0%	0.6%
Sullivan	158,570	29,914	18.9%	158,776	29,804	18.8%	-0.4%	0.1%
Sumner	199,672	45,566	22.8%	205,755	46,662	22.7%	2.4%	3.0%
Tipton	62,919	14,823	23.6%	63,496	14,788	23.3%	-0.2%	0.9%
Trousdale	11,388	2,073	18.2%	11,547	2,070	17.9%	-0.2%	1.4%
Unicoi	17,916	3,240	18.1%	17,965	3,238	18.0%	-0.1%	0.3%
Union	19,900	4,071	20.5%	19,963	4,003	20.1%	-1.7%	0.3%
VanBuren	5,748	1,059	18.4%	5,730	1,043	18.2%	-1.5%	-0.3%
Warren	41,170	9,172	22.3%	41,277	9,083	22.0%	-1.0%	0.3%
Washington	132,735	25,813	19.4%	134,593	26,084	19.4%	1.0%	1.4%
Wayne	16,388	2,642	16.1%	16,288	2,563	15.7%	-3.0%	-0.6%
Weakley	33,169	6,830	20.6%	33,087	6,775	20.5%	-0.8%	-0.2%
White	27,939	5,818	20.8%	28,314	5,798	20.5%	-0.3%	1.3%
Williamson	256,315	66,049	25.8%	268,520	68,203	25.4%	3.3%	4.8%
Wilson	153,287	35,076	22.9%	159,452	36,168	22.7%	3.1%	4.0%

* TN_CoPopProj_2019 UTCBER Population Projection Series.

Source: Boyd Center for Business and Economic Research, University of Tennessee, Knoxville
 Reassembled by the Tennessee Department of Health, Division of Policy, Planning and Assessment
 Note: These projections may not match Boyd Center projections precisely due to rounding.

Tennessee Population Estimates 2022 and 2024*

	Population Estimate 2022			Population Estimate 2024			% Increase	
	Total	18+	%18+	Total	18+	%18+	18+	Total
Tennessee	6,997,493	5,455,516	78.0%	7,102,950	5,544,780	78.1%	1.6%	1.5%
Anderson	77,746	61,923	79.6%	78,266	62,452	79.8%	0.9%	0.7%
Bedford	51,436	38,694	75.2%	52,579	39,609	75.3%	2.4%	2.2%
Benton	16,259	13,138	80.8%	16,273	13,201	81.1%	0.5%	0.1%
Bledsoe	15,265	13,015	85.3%	15,490	13,237	85.5%	1.7%	1.5%
Blount	136,116	109,424	80.4%	138,267	111,361	80.5%	1.8%	1.6%
Bradley	110,318	86,510	78.4%	112,020	88,035	78.6%	1.8%	1.5%
Campbell	39,348	31,548	80.2%	39,163	31,469	80.4%	-0.3%	-0.5%
Cannon	14,791	11,773	79.6%	14,925	11,930	79.9%	1.3%	0.9%
Carroll	27,767	21,737	78.3%	27,602	21,649	78.4%	-0.4%	-0.6%
Carter	55,761	46,036	82.6%	55,364	45,892	82.9%	-0.3%	-0.7%
Cheatham	41,212	32,577	79.0%	41,527	32,975	79.4%	1.2%	0.8%
Chester	17,394	13,469	77.4%	17,462	13,591	77.8%	0.9%	0.4%
Claiborne	32,217	26,388	81.9%	32,392	26,699	82.4%	1.2%	0.5%
Clay	7,768	6,258	80.6%	7,774	6,281	80.8%	0.4%	0.1%
Cocke	36,221	29,297	80.9%	36,363	29,551	81.3%	0.9%	0.4%
Coffee	57,147	43,841	76.7%	57,822	44,465	76.9%	1.4%	1.2%
Crockett	14,300	11,041	77.2%	14,269	11,033	77.3%	-0.1%	-0.2%
Cumberland	62,326	51,884	83.2%	63,470	53,000	83.5%	2.2%	1.8%
Davidson	717,032	560,365	78.2%	727,642	567,269	78.0%	1.2%	1.5%
Decatur	11,711	9,385	80.1%	11,695	9,399	80.4%	0.2%	-0.1%
DeKalb	20,730	16,455	79.4%	20,988	16,714	79.6%	1.6%	1.2%
Dickson	55,704	43,352	77.8%	56,741	44,287	78.1%	2.2%	1.9%
Dyer	37,465	28,692	76.6%	37,505	28,744	76.6%	0.2%	0.1%
Fayette	42,567	34,733	81.6%	43,500	35,511	81.6%	2.2%	2.2%
Fentress	18,451	14,761	80.0%	18,524	14,867	80.3%	0.7%	0.4%
Franklin	42,297	33,781	79.9%	42,466	34,000	80.1%	0.7%	0.4%
Gibson	49,445	37,729	76.3%	49,606	37,905	76.4%	0.5%	0.3%
Giles	29,403	23,324	79.3%	29,314	23,313	79.5%	0.0%	-0.3%
Grainger	23,595	19,082	80.9%	23,762	19,293	81.2%	1.1%	0.7%
Greene	69,852	56,734	81.2%	70,107	57,089	81.4%	0.6%	0.4%
Grundy	13,072	10,435	79.8%	12,920	10,369	80.3%	-0.6%	-1.2%
Hamblen	65,862	51,035	77.5%	66,458	51,523	77.5%	1.0%	0.9%
Hamilton	375,027	296,280	79.0%	379,958	300,283	79.0%	1.4%	1.3%
Hancock	6,431	5,177	80.5%	6,364	5,149	80.9%	-0.5%	-1.0%
Hardeman	24,981	20,315	81.3%	24,837	20,277	81.6%	-0.2%	-0.6%
Hardin	25,795	20,782	80.6%	25,758	20,848	80.9%	0.3%	-0.1%
Hawkins	56,619	46,056	81.3%	56,546	46,198	81.7%	0.3%	-0.1%
Haywood	16,899	13,294	78.7%	16,681	13,162	78.9%	-1.0%	-1.3%
Henderson	28,158	21,993	78.1%	28,286	22,158	78.3%	0.7%	0.5%
Henry	32,644	26,280	80.5%	32,734	26,447	80.8%	0.6%	0.3%
Hickman	25,613	20,570	80.3%	25,845	20,853	80.7%	1.4%	0.9%
Houston	8,384	6,636	79.2%	8,436	6,695	79.4%	0.9%	0.6%
Humphreys	18,618	14,767	79.3%	18,661	14,844	79.5%	0.5%	0.2%
Jackson	11,976	9,847	82.2%	12,054	9,921	82.3%	0.8%	0.6%
Jefferson	55,709	44,957	80.7%	56,445	45,691	80.9%	1.6%	1.3%
Johnson	17,711	14,879	84.0%	17,657	14,889	84.3%	0.1%	-0.3%
Knox	482,417	379,006	78.6%	490,549	385,443	78.6%	1.7%	1.7%
Lake	7,321	6,343	86.6%	7,280	6,336	87.0%	-0.1%	-0.6%
Lauderdale	25,815	20,238	78.4%	25,783	20,273	78.6%	0.2%	-0.1%
Lawrence	44,324	34,032	76.8%	44,543	34,447	77.3%	1.2%	0.5%

Tennessee Population Estimates 2022 and 2024*

	Population Estimate 2022			Population Estimate 2024			% Increase	
	Total	18+	%18+	Total	18+	%18+	18+	Total
Lewis	12,134	9,659	79.6%	12,138	9,705	80.0%	0.5%	0.0%
Lincoln	34,677	27,465	79.2%	34,919	27,807	79.6%	1.2%	0.7%
Loudon	55,779	45,407	81.4%	57,017	46,548	81.6%	2.5%	2.2%
McMinn	54,221	43,033	79.4%	54,607	43,437	79.5%	0.9%	0.7%
McNairy	26,143	20,745	79.4%	26,253	20,907	79.6%	0.8%	0.4%
Macon	25,375	19,181	75.6%	25,900	19,597	75.7%	2.2%	2.1%
Madison	97,958	75,752	77.3%	98,091	76,044	77.5%	0.4%	0.1%
Marion	28,530	22,791	79.9%	28,466	22,815	80.1%	0.1%	-0.2%
Marshall	35,034	27,088	77.3%	35,663	27,627	77.5%	2.0%	1.8%
Mauzy	100,386	77,374	77.1%	103,252	79,659	77.1%	3.0%	2.9%
Meigs	12,616	10,138	80.4%	12,753	10,280	80.6%	1.4%	1.1%
Monroe	47,548	38,152	80.2%	48,029	38,740	80.7%	1.5%	1.0%
Montgomery	223,240	162,764	72.9%	231,789	168,767	72.8%	3.7%	3.8%
Moore	6,495	5,307	81.7%	6,530	5,347	81.9%	0.7%	0.5%
Morgan	21,911	17,899	81.7%	22,043	18,063	81.9%	0.9%	0.6%
Obion	29,967	23,588	78.7%	29,782	23,450	78.7%	-0.6%	-0.6%
Overton	22,614	18,003	79.6%	22,851	18,220	79.7%	1.2%	1.0%
Perry	8,191	6,428	78.5%	8,251	6,492	78.7%	1.0%	0.7%
Pickett	5,022	4,184	83.3%	4,987	4,172	83.7%	-0.3%	-0.7%
Polk	17,226	14,010	81.3%	17,362	14,162	81.6%	1.1%	0.8%
Putnam	82,286	64,306	78.1%	83,919	65,637	78.2%	2.1%	2.0%
Rhea	33,892	26,561	78.4%	34,277	27,017	78.8%	1.7%	1.1%
Roane	53,377	43,786	82.0%	53,400	43,904	82.2%	0.3%	0.0%
Robertson	74,294	57,170	77.0%	75,837	58,472	77.1%	2.3%	2.1%
Rutherford	357,199	269,587	75.5%	373,482	282,263	75.6%	4.7%	4.6%
Scott	22,172	17,060	76.9%	22,204	17,148	77.2%	0.5%	0.1%
Sequatchie	15,518	12,444	80.2%	15,812	12,711	80.4%	2.2%	1.9%
Sevier	103,319	82,715	80.1%	105,864	84,914	80.2%	2.7%	2.5%
Shelby	944,036	711,085	75.3%	947,551	714,458	75.4%	0.5%	0.4%
Smith	20,435	15,970	78.2%	20,649	16,178	78.3%	1.3%	1.0%
Stewart	13,765	11,031	80.1%	13,844	11,137	80.4%	1.0%	0.6%
Sullivan	158,570	128,655	81.1%	158,776	128,972	81.2%	0.2%	0.1%
Sumner	199,672	154,106	77.2%	205,755	159,093	77.3%	3.2%	3.0%
Tipton	62,919	48,096	76.4%	63,496	48,708	76.7%	1.3%	0.9%
Trousdale	11,388	9,314	81.8%	11,547	9,477	82.1%	1.7%	1.4%
Unicoi	17,916	14,676	81.9%	17,965	14,726	82.0%	0.3%	0.3%
Union	19,900	15,828	79.5%	19,963	15,960	79.9%	0.8%	0.3%
VanBuren	5,748	4,689	81.6%	5,730	4,687	81.8%	0.0%	-0.3%
Warren	41,170	31,998	77.7%	41,277	32,194	78.0%	0.6%	0.3%
Washington	132,735	106,922	80.6%	134,593	108,509	80.6%	1.5%	1.4%
Wayne	16,388	13,745	83.9%	16,288	13,725	84.3%	-0.1%	-0.6%
Weakley	33,169	26,339	79.4%	33,087	26,312	79.5%	-0.1%	-0.2%
White	27,939	22,121	79.2%	28,314	22,516	79.5%	1.8%	1.3%
Williamson	256,315	190,266	74.2%	268,520	200,317	74.6%	5.3%	4.8%
Wilson	153,287	118,211	77.1%	159,452	123,284	77.3%	4.3%	4.0%

* TN_CoPopProj_2019 UTCBER Population Projection Series.

Source: Boyd Center for Business and Economic Research, University of Tennessee, Knoxville
 Reassembled by the Tennessee Department of Health, Division of Policy, Planning and Assessment
 Note: These projections may not match Boyd Center projections precisely due to rounding.

Tennessee Population Estimates 2022 and 2024 *

	Population Estimate 2022			Population Estimate 2024			% Increase	
	Total	65+	%65+	Total	65+	%65+	65+	Total
Tennessee	6,997,493	1,254,329	17.9%	7,102,950	1,318,602	18.6%	5.1%	1.5%
Anderson	77,746	16,997	21.9%	78,266	17,682	22.6%	4.0%	0.7%
Bedford	51,436	8,430	16.4%	52,579	8,928	17.0%	5.9%	2.2%
Benton	16,259	4,154	25.5%	16,273	4,293	26.4%	3.4%	0.1%
Bledsoe	15,265	3,072	20.1%	15,490	3,242	20.9%	5.5%	1.5%
Blount	136,116	30,079	22.1%	138,267	31,673	22.9%	5.3%	1.6%
Bradley	110,318	20,539	18.6%	112,020	21,600	19.3%	5.2%	1.5%
Campbell	39,348	8,772	22.3%	39,163	9,000	23.0%	2.6%	-0.5%
Cannon	14,791	2,991	20.2%	14,925	3,154	21.1%	5.4%	0.9%
Carroll	27,767	6,094	21.9%	27,602	6,259	22.7%	2.7%	-0.6%
Carter	55,761	13,484	24.2%	55,364	13,939	25.2%	3.4%	-0.7%
Ceatham	41,212	7,109	17.2%	41,527	7,601	18.3%	6.9%	0.8%
Chester	17,394	3,265	18.8%	17,462	3,409	19.5%	4.4%	0.4%
Claiborne	32,217	7,106	22.1%	32,392	7,435	23.0%	4.6%	0.5%
Clay	7,768	2,085	26.8%	7,774	2,173	27.9%	4.2%	0.1%
Cocke	36,221	8,452	23.3%	36,363	8,848	24.3%	4.7%	0.4%
Coffee	57,147	10,675	18.7%	57,822	11,157	19.3%	4.5%	1.2%
Crockett	14,300	2,926	20.5%	14,269	3,027	21.2%	3.4%	-0.2%
Cumberland	62,326	20,609	33.1%	63,470	21,639	34.1%	5.0%	1.8%
Davidson	717,032	95,863	13.4%	727,642	100,647	13.8%	5.0%	1.5%
Decatur	11,711	2,999	25.6%	11,695	3,100	26.5%	3.4%	-0.1%
DeKalb	20,730	4,215	20.3%	20,988	4,452	21.2%	5.6%	1.2%
Dickson	55,704	10,035	18.0%	56,741	10,656	18.8%	6.2%	1.9%
Dyer	37,465	7,151	19.1%	37,505	7,392	19.7%	3.4%	0.1%
Fayette	42,567	10,177	23.9%	43,500	10,868	25.0%	6.8%	2.2%
Fentress	18,451	4,464	24.2%	18,524	4,658	25.1%	4.4%	0.4%
Franklin	42,297	9,313	22.0%	42,466	9,691	22.8%	4.1%	0.4%
Gibson	49,445	9,575	19.4%	49,606	9,879	19.9%	3.2%	0.3%
Giles	29,403	6,482	22.0%	29,314	6,738	23.0%	3.9%	-0.3%
Grainger	23,595	5,369	22.8%	23,762	5,648	23.8%	5.2%	0.7%
Greene	69,852	16,425	23.5%	70,107	17,060	24.3%	3.9%	0.4%
Grundy	13,072	3,007	23.0%	12,920	3,095	24.0%	2.9%	-1.2%
Hamblen	65,862	12,988	19.7%	66,458	13,481	20.3%	3.8%	0.9%
Hamilton	375,027	71,417	19.0%	379,958	74,592	19.6%	4.4%	1.3%
Hancock	6,431	1,513	23.5%	6,364	1,557	24.5%	3.0%	-1.0%
Hardeman	24,981	4,863	19.5%	24,837	4,965	20.0%	2.1%	-0.6%
Hardin	25,795	6,487	25.2%	25,758	6,704	26.0%	3.3%	-0.1%
Hawkins	56,619	13,161	23.2%	56,546	13,696	24.2%	4.1%	-0.1%
Haywood	16,899	3,647	21.6%	16,681	3,779	22.7%	3.6%	-1.3%
Henderson	28,158	5,616	19.9%	28,286	5,840	20.6%	4.0%	0.5%
Henry	32,644	8,207	25.1%	32,734	8,501	26.0%	3.6%	0.3%
Hickman	25,613	4,905	19.1%	25,845	5,136	19.9%	4.7%	0.9%
Houston	8,384	1,854	22.1%	8,436	1,926	22.8%	3.9%	0.6%
Humphreys	18,618	4,063	21.8%	18,661	4,216	22.6%	3.8%	0.2%
Jackson	11,976	3,014	25.2%	12,054	3,166	26.3%	5.1%	0.6%
Jefferson	55,709	12,364	22.2%	56,445	13,087	23.2%	5.8%	1.3%
Johnson	17,711	4,358	24.6%	17,657	4,464	25.3%	2.4%	-0.3%
Knox	482,417	82,989	17.2%	490,549	87,114	17.8%	5.0%	1.7%
Lake	7,321	1,204	16.4%	7,280	1,211	16.6%	0.6%	-0.6%
Lauderdale	25,815	4,458	17.3%	25,783	4,597	17.8%	3.1%	-0.1%
Lawrence	44,324	8,644	19.5%	44,543	9,036	20.3%	4.5%	0.5%

Tennessee Population Estimates 2022 and 2024 *

	Population Estimate 2022			Population Estimate 2024			% Increase	
	Total	65+	%65+	Total	65+	%65+	65+	Total
Lewis	12,134	2,829	23.3%	12,138	2,946	24.3%	4.2%	0.0%
Lincoln	34,677	7,407	21.4%	34,919	7,749	22.2%	4.6%	0.7%
Loudon	55,779	15,932	28.6%	57,017	16,760	29.4%	5.2%	2.2%
McMinn	54,221	11,739	21.7%	54,607	12,284	22.5%	4.6%	0.7%
McNairy	26,143	5,831	22.3%	26,253	6,026	23.0%	3.3%	0.4%
Macon	25,375	4,330	17.1%	25,900	4,577	17.7%	5.7%	2.1%
Madison	97,958	18,656	19.0%	98,091	19,520	19.9%	4.6%	0.1%
Marion	28,530	6,260	21.9%	28,466	6,469	22.7%	3.3%	-0.2%
Marshall	35,034	6,205	17.7%	35,663	6,571	18.4%	5.9%	1.8%
Maury	100,386	17,888	17.8%	103,252	19,144	18.5%	7.0%	2.9%
Meigs	12,616	2,868	22.7%	12,753	3,002	23.5%	4.7%	1.1%
Monroe	47,548	11,056	23.3%	48,029	11,605	24.2%	5.0%	1.0%
Montgomery	223,240	22,705	10.2%	231,789	24,495	10.6%	7.9%	3.8%
Moore	6,495	1,542	23.7%	6,530	1,608	24.6%	4.3%	0.5%
Morgan	21,911	4,239	19.3%	22,043	4,404	20.0%	3.9%	0.6%
Obion	29,967	6,675	22.3%	29,782	6,838	23.0%	2.5%	-0.6%
Overton	22,614	4,995	22.1%	22,851	5,194	22.7%	4.0%	1.0%
Perry	8,191	1,846	22.5%	8,251	1,906	23.1%	3.3%	0.7%
Pickett	5,022	1,492	29.7%	4,987	1,536	30.8%	3.0%	-0.7%
Polk	17,226	3,910	22.7%	17,362	4,089	23.5%	4.6%	0.8%
Putnam	82,286	14,863	18.1%	83,919	15,668	18.7%	5.4%	2.0%
Rhea	33,892	6,859	20.2%	34,277	7,176	20.9%	4.6%	1.1%
Roane	53,377	13,393	25.1%	53,400	13,928	26.1%	4.0%	0.0%
Robertson	74,294	12,402	16.7%	75,837	13,288	17.5%	7.1%	2.1%
Rutherford	357,199	42,114	11.8%	373,482	46,229	12.4%	9.8%	4.6%
Scott	22,172	4,095	18.5%	22,204	4,256	19.2%	4.0%	0.1%
Sequatchie	15,518	3,524	22.7%	15,812	3,738	23.6%	6.1%	1.9%
Sevier	103,319	22,298	21.6%	105,864	23,637	22.3%	6.0%	2.5%
Shelby	944,036	142,579	15.1%	947,551	148,831	15.7%	4.4%	0.4%
Smith	20,435	3,876	19.0%	20,649	4,103	19.9%	5.8%	1.0%
Stewart	13,765	3,067	22.3%	13,844	3,206	23.2%	4.5%	0.6%
Sullivan	158,570	37,493	23.6%	158,776	38,693	24.4%	3.2%	0.1%
Sumner	199,672	34,799	17.4%	205,755	37,222	18.1%	7.0%	3.0%
Tipton	62,919	10,275	16.3%	63,496	10,899	17.2%	6.1%	0.9%
Trousdale	11,388	1,564	13.7%	11,547	1,628	14.1%	4.1%	1.4%
Unicoi	17,916	4,511	25.2%	17,965	4,673	26.0%	3.6%	0.3%
Union	19,900	4,119	20.7%	19,963	4,364	21.9%	5.9%	0.3%
VanBuren	5,748	1,497	26.0%	5,730	1,547	27.0%	3.4%	-0.3%
Warren	41,170	7,965	19.3%	41,277	8,270	20.0%	3.8%	0.3%
Washington	132,735	26,466	19.9%	134,593	27,721	20.6%	4.7%	1.4%
Wayne	16,388	3,425	20.9%	16,288	3,511	21.6%	2.5%	-0.6%
Weakley	33,169	6,754	20.4%	33,087	6,970	21.1%	3.2%	-0.2%
White	27,939	6,137	22.0%	28,314	6,422	22.7%	4.6%	1.3%
Williamson	256,315	37,752	14.7%	268,520	41,342	15.4%	9.5%	4.8%
Wilson	153,287	26,434	17.2%	159,452	28,552	17.9%	8.0%	4.0%

* TN_CoPopProj_2019 UTCBER Population Projection Series.

Source: Boyd Center for Business and Economic Research, University of Tennessee, Knoxville
 Reassembled by the Tennessee Department of Health, Division of Policy, Planning and Assessment
 Note: These projections may not match Boyd Center projections precisely due to rounding.

Tennessee Female Population Estimates 2022 and 2024 *

	Population Estimate 2022			Population Estimate 2024			% Increase	
	Total	15-44	%15-44	Total	15-44	%15-44	15-44	Total
Tennessee	3,587,578	1,351,308	37.7%	3,643,223	1,363,323	37.4%	0.9%	1.6%
Anderson	39,873	13,233	33.2%	40,117	13,251	33.0%	0.1%	0.6%
Bedford	26,256	9,666	36.8%	26,875	9,866	36.7%	2.1%	2.4%
Benton	8,287	2,420	29.2%	8,289	2,395	28.9%	-1.0%	0.0%
Bledsoe	6,145	1,895	30.8%	6,176	1,856	30.1%	-2.1%	0.5%
Blount	70,255	23,578	33.6%	71,429	23,834	33.4%	1.1%	1.7%
Bradley	56,761	21,105	37.2%	57,669	21,341	37.0%	1.1%	1.6%
Campbell	20,014	6,591	32.9%	19,917	6,495	32.6%	-1.5%	-0.5%
Cannon	7,449	2,473	33.2%	7,516	2,471	32.9%	-0.1%	0.9%
Carroll	14,182	4,734	33.4%	14,095	4,689	33.3%	-0.9%	-0.6%
Carter	28,542	9,227	32.3%	28,373	9,087	32.0%	-1.5%	-0.6%
Ceatham	20,794	7,459	35.9%	20,975	7,454	35.5%	-0.1%	0.9%
Chester	9,081	3,578	39.4%	9,140	3,587	39.2%	0.2%	0.7%
Claiborne	16,480	5,773	35.0%	16,573	5,782	34.9%	0.2%	0.6%
Clay	3,923	1,125	28.7%	3,915	1,112	28.4%	-1.1%	-0.2%
Cocke	18,774	5,980	31.9%	18,874	5,958	31.6%	-0.4%	0.5%
Coffee	29,261	10,383	35.5%	29,617	10,473	35.4%	0.9%	1.2%
Crockett	7,495	2,567	34.2%	7,495	2,554	34.1%	-0.5%	0.0%
Cumberland	31,998	8,485	26.5%	32,580	8,579	26.3%	1.1%	1.8%
Davidson	370,870	167,846	45.3%	376,350	168,207	44.7%	0.2%	1.5%
Decatur	5,971	1,806	30.3%	5,965	1,784	29.9%	-1.2%	-0.1%
DeKalb	10,397	3,501	33.7%	10,533	3,519	33.4%	0.5%	1.3%
Dickson	28,410	10,125	35.6%	28,962	10,244	35.4%	1.2%	1.9%
Dyer	19,457	6,982	35.9%	19,496	6,947	35.6%	-0.5%	0.2%
Fayette	21,643	6,679	30.9%	22,128	6,741	30.5%	0.9%	2.2%
Fentress	9,470	2,860	30.2%	9,519	2,851	29.9%	-0.3%	0.5%
Franklin	21,679	7,750	35.7%	21,784	7,769	35.7%	0.2%	0.5%
Gibson	25,726	9,084	35.3%	25,805	9,066	35.1%	-0.2%	0.3%
Giles	15,183	5,068	33.4%	15,160	5,041	33.3%	-0.5%	-0.1%
Grainger	11,709	3,656	31.2%	11,792	3,639	30.9%	-0.5%	0.7%
Greene	35,535	11,572	32.6%	35,680	11,537	32.3%	-0.3%	0.4%
Grundy	6,608	2,164	32.7%	6,531	2,101	32.2%	-2.9%	-1.2%
Hamblen	33,845	11,704	34.6%	34,210	11,808	34.5%	0.9%	1.1%
Hamilton	193,980	73,137	37.7%	196,544	73,637	37.5%	0.7%	1.3%
Hancock	3,251	1,027	31.6%	3,216	1,010	31.4%	-1.6%	-1.1%
Hardeman	11,215	3,648	32.5%	11,088	3,563	32.1%	-2.3%	-1.1%
Hardin	13,282	4,096	30.8%	13,292	4,072	30.6%	-0.6%	0.1%
Hawkins	28,877	9,230	32.0%	28,860	9,145	31.7%	-0.9%	-0.1%
Haywood	9,021	2,956	32.8%	8,904	2,850	32.0%	-3.6%	-1.3%
Henderson	14,510	5,043	34.8%	14,582	5,036	34.5%	-0.2%	0.5%
Henry	16,885	5,129	30.4%	16,955	5,130	30.3%	0.0%	0.4%
Hickman	12,183	4,172	34.2%	12,306	4,191	34.1%	0.5%	1.0%
Houston	4,297	1,433	33.3%	4,335	1,438	33.2%	0.4%	0.9%
Humphreys	9,362	3,068	32.8%	9,383	3,051	32.5%	-0.6%	0.2%
Jackson	6,032	1,775	29.4%	6,075	1,766	29.1%	-0.5%	0.7%
Jefferson	28,367	9,436	33.3%	28,776	9,508	33.0%	0.8%	1.4%
Johnson	8,129	2,369	29.1%	8,073	2,330	28.9%	-1.7%	-0.7%
Knox	248,301	100,086	40.3%	252,574	101,272	40.1%	1.2%	1.7%
Lake	2,508	758	30.2%	2,443	726	29.7%	-4.2%	-2.6%
Lauderdale	12,492	4,394	35.2%	12,460	4,338	34.8%	-1.3%	-0.3%
Lawrence	22,573	7,837	34.7%	22,698	7,865	34.7%	0.4%	0.6%

Tennessee Female Population Estimates 2022 and 2024 *

	Population Estimate 2022			Population Estimate 2024			% Increase	
	Total	15-44	%15-44	Total	15-44	%15-44	15-44	Total
Lewis	6,242	1,999	32.0%	6,256	1,984	31.7%	-0.7%	0.2%
Lincoln	17,661	5,717	32.4%	17,780	5,745	32.3%	0.5%	0.7%
Loudon	28,423	8,171	28.7%	29,068	8,350	28.7%	2.2%	2.3%
McMinn	27,836	9,380	33.7%	28,045	9,375	33.4%	-0.1%	0.8%
McNairy	13,280	4,313	32.5%	13,328	4,300	32.3%	-0.3%	0.4%
Macon	13,032	4,728	36.3%	13,327	4,820	36.2%	2.0%	2.3%
Madison	51,763	19,453	37.6%	51,921	19,407	37.4%	-0.2%	0.3%
Marion	14,616	4,780	32.7%	14,595	4,743	32.5%	-0.8%	-0.1%
Marshall	17,905	6,477	36.2%	18,240	6,554	35.9%	1.2%	1.9%
Maury	52,130	19,067	36.6%	53,696	19,461	36.2%	2.1%	3.0%
Meigs	6,375	2,025	31.8%	6,451	2,022	31.3%	-0.2%	1.2%
Monroe	23,894	7,710	32.3%	24,146	7,739	32.1%	0.4%	1.1%
Montgomery	112,215	51,057	45.5%	116,570	52,606	45.1%	3.0%	3.9%
Moore	3,263	1,044	32.0%	3,284	1,040	31.7%	-0.4%	0.6%
Morgan	9,850	3,210	32.6%	9,874	3,189	32.3%	-0.7%	0.2%
Obion	15,509	5,111	33.0%	15,431	5,054	32.8%	-1.1%	-0.5%
Overton	11,419	3,790	33.2%	11,543	3,806	33.0%	0.4%	1.1%
Perry	4,060	1,321	32.5%	4,089	1,331	32.6%	0.8%	0.7%
Pickett	2,518	674	26.8%	2,504	660	26.3%	-2.1%	-0.6%
Polk	8,766	2,772	31.6%	8,848	2,770	31.3%	-0.1%	0.9%
Putnam	41,443	16,471	39.7%	42,318	16,756	39.6%	1.7%	2.1%
Rhea	17,075	5,979	35.0%	17,264	6,044	35.0%	1.1%	1.1%
Roane	27,352	8,347	30.5%	27,368	8,259	30.2%	-1.1%	0.1%
Robertson	37,716	13,859	36.7%	38,558	14,074	36.5%	1.5%	2.2%
Rutherford	181,595	79,871	44.0%	189,950	82,721	43.5%	3.6%	4.6%
Scott	11,323	4,073	36.0%	11,353	4,048	35.7%	-0.6%	0.3%
Sequatchie	7,866	2,561	32.6%	8,026	2,579	32.1%	0.7%	2.0%
Sevier	52,791	17,695	33.5%	54,102	18,094	33.4%	2.3%	2.5%
Shelby	496,201	195,450	39.4%	498,358	195,138	39.2%	-0.2%	0.4%
Smith	10,297	3,593	34.9%	10,423	3,608	34.6%	0.4%	1.2%
Stewart	6,894	2,168	31.4%	6,934	2,165	31.2%	-0.1%	0.6%
Sullivan	81,534	26,408	32.4%	81,667	26,305	32.2%	-0.4%	0.2%
Sumner	102,364	37,309	36.4%	105,556	38,232	36.2%	2.5%	3.1%
Tipton	31,923	11,807	37.0%	32,241	11,827	36.7%	0.2%	1.0%
Trousdale	4,662	1,798	38.6%	4,738	1,820	38.4%	1.2%	1.6%
Unicoi	9,140	2,847	31.1%	9,175	2,830	30.8%	-0.6%	0.4%
Union	10,117	3,369	33.3%	10,163	3,359	33.1%	-0.3%	0.5%
VanBuren	2,870	819	28.6%	2,859	802	28.0%	-2.2%	-0.4%
Warren	20,834	7,317	35.1%	20,903	7,299	34.9%	-0.3%	0.3%
Washington	67,989	26,473	38.9%	68,976	26,764	38.8%	1.1%	1.5%
Wayne	7,307	2,263	31.0%	7,243	2,218	30.6%	-2.0%	-0.9%
Weakley	16,981	6,669	39.3%	16,962	6,658	39.3%	-0.2%	-0.1%
White	14,300	4,737	33.1%	14,504	4,797	33.1%	1.3%	1.4%
Williamson	130,834	47,546	36.3%	137,181	49,623	36.2%	4.4%	4.9%
Wilson	78,082	28,418	36.4%	81,301	29,386	36.1%	3.4%	4.1%

* TN_CoPopProj_2019 UTCBER Population Projection Series.

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 Reassembled by the Tennessee Department of Health, Division of Policy, Planning and Assessment
 Note: These projections may not match Boyd Center projections precisely due to rounding.

Population Counts by Age Group, Sex, Race and Ethnicity, Estimates 2021

TENNESSEE

Age Group	Total Pop	Total Male	Total Female	Total White	White Male	White Female	Total Black	Black Male	Black Female	Total Other	Other Male	Other Female	Total Hispanic	Hispanic Male	Hispanic Female
All Ages	6,975,170	3,420,037	3,555,133	5,457,928	2,694,807	2,763,121	1,183,999	561,345	622,654	333,243	163,885	169,358	425,815	222,339	203,476
Infants	79,122	40,408	38,714	56,354	28,819	27,535	15,926	8,061	7,865	6,842	3,528	3,314	9,819	5,026	4,793
1 to 4	323,222	165,143	158,079	230,792	118,367	112,425	64,737	32,631	32,106	27,693	14,145	13,548	37,394	19,057	18,337
5 to 9	422,329	215,996	206,333	304,636	156,499	148,137	83,640	42,196	41,444	34,053	17,301	16,752	45,296	23,083	22,213
10 to 14	446,158	228,401	217,757	327,165	167,758	159,407	87,106	44,366	42,740	31,887	16,277	15,610	46,749	24,041	22,708
15 to 19	437,455	223,260	214,195	325,665	167,415	158,250	83,905	42,014	41,891	27,885	13,831	14,054	40,175	20,542	19,633
20 to 24	449,444	225,998	223,446	334,823	169,058	165,765	88,908	44,233	44,675	25,713	12,707	13,006	33,309	16,958	16,351
25 to 29	481,070	239,974	241,096	359,796	180,448	179,348	96,329	47,220	49,109	24,945	12,306	12,639	31,634	16,288	15,346
30 to 34	481,982	238,723	243,259	365,451	182,438	183,013	92,747	44,565	48,182	23,784	11,720	12,064	30,292	16,337	13,955
35 to 39	447,255	221,912	225,343	346,840	173,844	172,996	77,911	36,751	41,160	22,504	11,317	11,187	31,682	17,307	14,375
40 to 44	435,896	215,667	220,229	340,841	171,233	169,608	75,138	34,793	40,345	19,917	9,641	10,276	30,283	16,639	13,644
45 to 49	422,157	208,962	213,195	334,837	168,146	166,691	68,918	32,070	36,848	18,402	8,746	9,656	25,193	13,726	11,467
50 to 54	449,913	222,883	227,030	363,975	182,740	181,235	70,249	32,588	37,661	15,689	7,555	8,134	19,827	10,716	9,111
55 to 59	462,891	225,351	237,540	378,126	186,130	191,996	71,140	32,705	38,435	13,625	6,516	7,109	14,570	7,861	6,709
60 to 64	450,960	216,412	234,548	371,065	180,303	190,762	67,488	30,322	37,166	12,407	5,787	6,620	10,837	5,648	5,189
65 to 69	395,638	185,640	209,998	330,144	157,102	173,042	55,487	24,058	31,429	10,007	4,480	5,527	7,435	3,848	3,587
70 to 74	332,640	154,187	178,453	285,610	134,005	151,605	39,277	16,599	22,678	7,753	3,583	4,170	4,940	2,425	2,515
75 to 79	213,859	96,605	117,254	187,877	85,941	101,936	21,218	8,463	12,755	4,764	2,201	2,563	2,982	1,362	1,620
80 to 84	131,730	55,601	76,129	115,975	49,682	66,293	12,758	4,573	8,185	2,997	1,346	1,651	1,630	758	872
85 plus	111,449	38,914	72,535	97,956	34,879	63,077	11,117	3,137	7,980	2,376	898	1,478	1,768	717	1,051

Note: People who are Hispanic may be of any race.

Source: Tennessee Department of Health, Division of PHA; based on interpolated data from the U.S. Census, Annual Estimates of the Resident Population: April 1, 2010 to July 1, 2021.

Population Counts by Age Group, Sex, Race and Ethnicity, Estimates 2021

ANDERSON COUNTY

Age Group	Total Pop	Total Male	Total Female	Total White	White Male	White Female	Total Black	Black Male	Black Female	Total Other	Other Male	Other Female	Total Hispanic	Hispanic Male	Hispanic Female
All Ages	77,573	37,991	39,582	71,030	34,754	36,276	3,104	1,563	1,541	3,439	1,674	1,765	2,747	1,430	1,317
Infants	791	394	397	677	337	340	35	18	17	79	39	40	43	21	22
1 to 4	3,304	1,666	1,638	2,849	1,449	1,400	156	74	82	299	143	156	195	98	97
5 to 9	4,449	2,255	2,194	3,888	1,987	1,901	212	101	111	349	167	182	284	149	135
10 to 14	4,815	2,424	2,391	4,273	2,133	2,140	200	112	88	342	179	163	315	176	139
15 to 19	4,649	2,464	2,185	4,172	2,212	1,960	196	110	86	281	142	139	271	150	121
20 to 24	4,102	2,082	2,020	3,673	1,859	1,814	209	108	101	220	115	105	200	101	99
25 to 29	4,836	2,450	2,386	4,350	2,193	2,157	247	134	113	239	123	116	200	95	105
30 to 34	4,860	2,439	2,421	4,413	2,193	2,220	219	119	100	228	127	101	182	93	89
35 to 39	4,526	2,266	2,260	4,164	2,084	2,080	189	109	80	173	73	100	196	114	82
40 to 44	4,641	2,339	2,302	4,251	2,163	2,088	185	78	107	205	98	107	188	92	96
45 to 49	4,628	2,270	2,358	4,258	2,091	2,167	195	110	85	175	69	106	154	81	73
50 to 54	5,145	2,506	2,639	4,785	2,324	2,461	204	105	99	156	77	79	179	86	93
55 to 59	5,509	2,675	2,834	5,152	2,499	2,653	191	95	96	166	81	85	118	67	51
60 to 64	5,557	2,707	2,850	5,190	2,531	2,659	221	113	108	146	63	83	71	39	32
65 to 69	4,979	2,361	2,618	4,671	2,234	2,437	182	70	112	126	57	69	56	31	25
70 to 74	4,371	2,007	2,364	4,140	1,897	2,243	113	50	63	118	60	58	40	17	23
75 to 79	2,847	1,335	1,512	2,713	1,277	1,436	64	27	37	70	31	39	27	9	18
80 to 84	1,772	738	1,034	1,695	702	993	42	16	26	35	20	15	11	5	6
85 plus	1,792	613	1,179	1,716	589	1,127	44	14	30	32	10	22	17	6	11

Note: People who are Hispanic may be of any race.

Source: Tennessee Department of Health, Division of PHA; based on interpolated data from the U.S. Census, Annual Estimates of the Resident Population: April 1, 2010 to July 1, 2021.

Population Counts by Age Group, Sex, Race and Ethnicity, Estimates 2021

BLEDSON COUNTY

Age Group	Total Pop	Total Male	Total Female	Total White	White Male	White Female	Total Black	Black Male	Black Female	Total Other	Other Male	Other Female
All Ages	15,245	9,122	6,123	13,687	7,800	5,887	1,167	1,105	62	391	217	174
Infants	111	58	53	105	55	50	2	1	1	4	2	2
1 to 4	444	228	216	414	213	201	8	4	4	22	11	11
5 to 9	573	296	277	524	269	255	10	5	5	39	22	17
10 to 14	610	340	270	556	302	254	13	8	5	41	30	11
15 to 19	685	426	259	581	337	244	73	73	0	31	16	15
20 to 24	747	480	267	621	369	252	101	96	5	25	15	10
25 to 29	978	639	339	826	502	324	132	127	5	20	10	10
30 to 34	1,138	794	344	915	576	339	203	203	0	20	15	5
35 to 39	1,115	806	309	909	616	293	180	175	5	26	15	11
40 to 44	1,196	796	400	1,033	639	394	145	144	1	18	13	5
45 to 49	1,129	714	415	1,026	619	407	92	92	0	11	3	8
50 to 54	1,164	711	453	1,066	621	445	89	84	5	9	6	3
55 to 59	1,252	701	551	1,164	637	527	57	52	5	31	12	19
60 to 64	1,212	666	546	1,164	637	527	24	19	5	24	10	14
65 to 69	929	477	452	895	454	441	18	13	5	16	10	6
70 to 74	828	427	401	797	411	386	11	6	5	20	10	10
75 to 79	550	290	260	534	279	255	0	0	0	16	11	5
80 to 84	341	167	174	327	163	164	7	2	5	7	2	5
85 plus	243	106	137	230	101	129	2	1	1	11	4	7

Total Hispanic	Hispanic Male	Hispanic Female
481	296	185
8	5	3
32	18	14
39	20	19
35	20	15
38	23	15
39	29	10
32	22	10
51	41	10
47	32	15
26	16	10
27	15	12
23	15	8
23	7	16
24	18	6
18	8	10
6	1	5
9	4	5
0	0	0
4	2	2

Note: People who are Hispanic may be of any race.

Source: Tennessee Department of Health, Division of PHA; based on interpolated data from the U.S. Census, Annual Estimates of the Resident Population: April 1, 2010 to July 1, 2021.

Population Counts by Age Group, Sex, Race and Ethnicity, Estimates 2021

BLOUNT COUNTY

Age Group	Total Pop	Total Male	Total Female	Total White	White Male	White Female	Total Black	Black Male	Black Female	Total Other	Other Male	Other Female	Total Hispanic	Hispanic Male	Hispanic Female
All Ages	137,602	67,367	70,235	128,762	62,964	65,798	4,183	2,163	2,020	4,657	2,240	2,417	5,436	2,792	2,644
Infants	1,277	641	636	1,133	569	564	47	20	27	97	52	45	112	46	66
1 to 4	5,396	2,751	2,645	4,833	2,478	2,355	197	96	101	366	177	189	458	220	238
5 to 9	7,407	3,810	3,597	6,688	3,464	3,224	260	136	124	459	210	249	569	302	267
10 to 14	8,146	4,152	3,994	7,375	3,770	3,605	271	130	141	500	252	248	525	266	259
15 to 19	7,967	4,132	3,835	7,226	3,747	3,479	318	167	151	423	218	205	432	229	203
20 to 24	7,433	3,748	3,685	6,772	3,383	3,389	314	174	140	347	191	156	413	200	213
25 to 29	8,188	4,167	4,021	7,547	3,810	3,737	308	181	127	333	176	157	409	204	205
30 to 34	8,388	4,176	4,212	7,815	3,858	3,957	316	190	126	257	128	129	400	190	210
35 to 39	7,829	3,855	3,974	7,345	3,602	3,743	250	158	92	234	95	139	419	211	208
40 to 44	8,230	4,077	4,153	7,702	3,818	3,884	269	153	116	259	106	153	388	229	159
45 to 49	8,256	4,023	4,233	7,762	3,783	3,979	241	124	117	253	116	137	291	149	142
50 to 54	9,799	4,854	4,945	9,289	4,616	4,673	266	129	137	244	109	135	308	167	141
55 to 59	10,278	4,954	5,324	9,823	4,749	5,074	249	123	126	206	82	124	226	119	107
60 to 64	10,003	4,897	5,106	9,537	4,662	4,875	267	137	130	199	98	101	187	107	80
65 to 69	9,203	4,260	4,943	8,838	4,106	4,732	221	93	128	144	61	83	110	59	51
70 to 74	8,136	3,808	4,328	7,822	3,675	4,147	183	69	114	131	64	67	77	38	39
75 to 79	5,476	2,556	2,920	5,290	2,460	2,830	91	41	50	95	55	40	50	32	18
80 to 84	3,346	1,470	1,876	3,240	1,417	1,823	56	26	30	50	27	23	27	13	14
85 plus	2,844	1,036	1,808	2,725	997	1,728	59	16	43	60	23	37	35	11	24

Note: People who are Hispanic may be of any race.

Source: Tennessee Department of Health, Division of PHA; based on interpolated data from the U.S. Census, Annual Estimates of the Resident Population: April 1, 2010 to July 1, 2021.

Population Counts by Age Group, Sex, Race and Ethnicity, Estimates 2021

BRADLEY COUNTY

Age Group	Total Pop	Total Male	Total Female	Total White	White Male	White Female	Total Black	Black Male	Black Female	Total Other	Other Male	Other Female	Total Hispanic	Hispanic Male	Hispanic Female
All Ages	110,171	53,671	56,500	99,397	48,356	51,041	5,978	2,988	2,990	4,796	2,327	2,469	7,800	4,109	3,691
Infants	1,214	598	616	1,021	492	529	79	45	34	114	61	53	201	98	103
1 to 4	4,962	2,464	2,498	4,156	2,064	2,092	358	180	178	448	220	228	707	370	337
5 to 9	6,502	3,292	3,210	5,511	2,825	2,686	475	225	250	516	242	274	793	436	357
10 to 14	6,926	3,589	3,337	6,050	3,133	2,917	427	224	203	449	232	217	835	432	403
15 to 19	7,344	3,681	3,663	6,446	3,262	3,184	445	209	236	453	210	243	781	392	389
20 to 24	7,190	3,560	3,630	6,373	3,159	3,214	427	234	193	390	167	223	595	304	291
25 to 29	7,077	3,517	3,560	6,288	3,105	3,183	467	252	215	322	160	162	565	283	282
30 to 34	7,160	3,505	3,655	6,359	3,086	3,273	503	262	241	298	157	141	527	297	230
35 to 39	6,430	3,240	3,190	5,814	2,903	2,911	356	205	151	260	132	128	491	273	218
40 to 44	6,817	3,322	3,495	6,247	3,019	3,228	343	184	159	227	119	108	564	302	262
45 to 49	7,120	3,610	3,510	6,502	3,298	3,204	391	203	188	227	109	118	465	269	196
50 to 54	7,477	3,721	3,756	6,897	3,436	3,461	376	191	185	204	94	110	378	214	164
55 to 59	7,537	3,665	3,872	6,947	3,388	3,559	362	173	189	228	104	124	317	181	136
60 to 64	7,133	3,351	3,782	6,626	3,111	3,515	320	137	183	187	103	84	210	88	122
65 to 69	6,045	2,861	3,184	5,630	2,674	2,956	266	123	143	149	64	85	143	69	74
70 to 74	5,405	2,454	2,951	5,097	2,326	2,771	162	69	93	146	59	87	96	39	57
75 to 79	3,739	1,678	2,061	3,547	1,586	1,961	103	40	63	89	52	37	73	35	38
80 to 84	2,289	936	1,353	2,172	884	1,288	61	20	41	56	32	24	28	13	15
85 plus	1,804	627	1,177	1,714	605	1,109	57	12	45	33	10	23	31	14	17

Note: People who are Hispanic may be of any race.

Source: Tennessee Department of Health, Division of PHA; based on interpolated data from the U.S. Census, Annual Estimates of the Resident Population: April 1, 2010 to July 1, 2021.

Population Counts by Age Group, Sex, Race and Ethnicity, Estimates 2021

CAMPBELL COUNTY

Age Group	Total Pop	Total Male	Total Female	Total White	White Male	White Female	Total Black	Black Male	Black Female	Total Other	Other Male	Other Female	Total Hispanic	Hispanic Male	Hispanic Female
All Ages	39,571	19,611	19,960	38,528	19,056	19,472	215	120	95	828	435	393	686	327	359
Infants	453	231	222	437	220	217	2	2	0	14	9	5	12	7	5
1 to 4	1,755	918	837	1,696	883	813	9	5	4	50	30	20	42	26	16
5 to 9	2,180	1,148	1,032	2,107	1,110	997	13	3	10	60	35	25	54	30	24
10 to 14	2,287	1,165	1,122	2,209	1,121	1,088	14	5	9	64	39	25	78	31	47
15 to 19	2,214	1,139	1,075	2,153	1,102	1,051	13	10	3	48	27	21	64	18	46
20 to 24	2,168	1,112	1,056	2,079	1,063	1,016	17	10	7	72	39	33	52	24	28
25 to 29	2,480	1,292	1,188	2,413	1,252	1,161	19	14	5	48	26	22	31	20	11
30 to 34	2,352	1,177	1,175	2,306	1,156	1,150	9	4	5	37	17	20	35	17	18
35 to 39	2,096	1,010	1,086	2,029	972	1,057	17	12	5	50	26	24	58	22	36
40 to 44	2,303	1,185	1,118	2,258	1,157	1,101	15	10	5	30	18	12	51	30	21
45 to 49	2,588	1,277	1,311	2,531	1,242	1,289	17	14	3	40	21	19	48	25	23
50 to 54	2,911	1,498	1,413	2,846	1,468	1,378	12	3	9	53	27	26	61	20	41
55 to 59	2,875	1,374	1,501	2,801	1,344	1,457	14	5	9	60	25	35	35	19	16
60 to 64	2,765	1,371	1,394	2,704	1,341	1,363	10	5	5	51	25	26	31	15	16
65 to 69	2,584	1,214	1,370	2,525	1,189	1,336	10	5	5	49	20	29	14	13	1
70 to 74	2,225	1,042	1,183	2,173	1,017	1,156	12	5	7	40	20	20	8	3	5
75 to 79	1,572	710	862	1,536	691	845	8	5	3	28	14	14	0	0	0
80 to 84	990	444	546	969	431	538	3	3	0	18	10	8	3	3	0
85 plus	773	304	469	756	297	459	1	0	1	16	7	9	9	4	5

Note: People who are Hispanic may be of any race.

Source: Tennessee Department of Health, Division of PHA; based on interpolated data from the U.S. Census, Annual Estimates of the Resident Population: April 1, 2010 to July 1, 2021.

Population Counts by Age Group, Sex, Race and Ethnicity, Estimates 2021

CLAIBORNE COUNTY

Age Group	Total Pop	Total Male	Total Female	Total White	White Male	White Female	Total Black	Black Male	Black Female	Total Other	Other Male	Other Female
All Ages	32,277	15,951	16,326	30,945	15,283	15,662	408	218	190	924	450	474
Infants	327	176	151	308	169	139	4	0	4	15	7	8
1 to 4	1,320	703	617	1,244	662	582	19	9	10	57	32	25
5 to 9	1,681	869	812	1,597	813	784	24	18	6	60	38	22
10 to 14	1,723	845	878	1,664	813	851	11	7	4	48	25	23
15 to 19	2,007	1,006	1,001	1,841	930	911	33	17	16	133	59	74
20 to 24	2,015	1,055	960	1,879	980	899	57	29	28	79	46	33
25 to 29	2,136	1,092	1,044	2,022	1,025	997	38	24	14	76	43	33
30 to 34	1,973	994	979	1,907	955	952	22	11	11	44	28	16
35 to 39	1,709	858	851	1,657	829	828	27	9	18	25	20	5
40 to 44	1,897	988	909	1,825	946	879	35	23	12	37	19	18
45 to 49	2,033	1,011	1,022	1,989	989	1,000	14	12	2	30	10	20
50 to 54	2,245	1,132	1,113	2,185	1,100	1,085	25	15	10	35	17	18
55 to 59	2,269	1,110	1,159	2,199	1,081	1,118	24	14	10	46	15	31
60 to 64	2,332	1,134	1,198	2,226	1,110	1,116	18	6	12	88	18	70
65 to 69	2,200	1,041	1,159	2,144	1,014	1,130	10	5	5	46	22	24
70 to 74	1,850	844	1,006	1,791	817	974	20	7	13	39	20	19
75 to 79	1,262	576	686	1,222	553	669	10	4	6	30	19	11
80 to 84	733	308	425	706	296	410	9	4	5	18	8	10
85 plus	565	209	356	539	201	338	8	4	4	18	4	14

Total Hispanic	Hispanic Male	Hispanic Female
523	280	243
1	1	0
25	13	12
59	28	31
46	25	21
52	29	23
46	17	29
39	25	14
32	17	15
43	28	15
27	16	11
42	22	20
22	11	11
15	10	5
20	10	10
10	5	5
15	5	10
11	5	6
7	6	1
11	7	4

Note: People who are Hispanic may be of any race.

Source: Tennessee Department of Health, Division of PHA; based on interpolated data from the U.S. Census, Annual Estimates of the Resident Population: April 1, 2010 to July 1, 2021.

Population Counts by Age Group, Sex, Race and Ethnicity, Estimates 2021

COCKE COUNTY

Age Group	Total Pop	Total Male	Total Female	Total White	White Male	White Female	Total Black	Black Male	Black Female	Total Other	Other Male	Other Female	Total Hispanic	Hispanic Male	Hispanic Female
All Ages	36,419	17,797	18,622	34,540	16,839	17,701	777	433	344	1,102	525	577	1,076	560	516
Infants	355	189	166	319	169	150	13	6	7	23	14	9	22	9	13
1 to 4	1,498	777	721	1,372	714	658	39	20	19	87	43	44	89	44	45
5 to 9	2,017	1,024	993	1,873	961	912	38	21	17	106	42	64	117	64	53
10 to 14	2,163	1,097	1,066	1,987	1,014	973	53	29	24	123	54	69	123	68	55
15 to 19	1,980	1,021	959	1,830	946	884	48	26	22	102	49	53	98	45	53
20 to 24	1,854	926	928	1,724	847	877	57	38	19	73	41	32	61	24	37
25 to 29	2,063	1,055	1,008	1,937	981	956	47	32	15	79	42	37	64	38	26
30 to 34	2,043	977	1,066	1,944	925	1,019	44	25	19	55	27	28	54	31	23
35 to 39	1,961	958	1,003	1,882	909	973	38	25	13	41	24	17	69	34	35
40 to 44	1,976	928	1,048	1,897	895	1,002	38	21	17	41	12	29	75	29	46
45 to 49	2,257	1,112	1,145	2,134	1,052	1,082	60	32	28	63	28	35	69	38	31
50 to 54	2,559	1,266	1,293	2,459	1,206	1,253	53	39	14	47	21	26	53	31	22
55 to 59	2,850	1,372	1,478	2,735	1,308	1,427	56	35	21	59	29	30	45	30	15
60 to 64	2,860	1,348	1,512	2,761	1,304	1,457	41	16	25	58	28	30	43	28	15
65 to 69	2,627	1,219	1,408	2,528	1,172	1,356	54	29	25	45	18	27	31	14	17
70 to 74	2,367	1,160	1,207	2,272	1,113	1,159	52	27	25	43	20	23	26	16	10
75 to 79	1,537	747	790	1,495	730	765	22	5	17	20	12	8	16	6	10
80 to 84	853	385	468	824	372	452	11	3	8	18	10	8	10	5	5
85 plus	599	236	363	567	221	346	13	4	9	19	11	8	11	6	5

Note: People who are Hispanic may be of any race.

Source: Tennessee Department of Health, Division of PHA; based on interpolated data from the U.S. Census, Annual Estimates of the Resident Population: April 1, 2010 to July 1, 2021.

Population Counts by Age Group, Sex, Race and Ethnicity, Estimates 2021

CUMBERLAND COUNTY

Age Group	Total Pop	Total Male	Total Female	Total White	White Male	White Female	Total Black	Black Male	Black Female	Total Other	Other Male	Other Female	Total Hispanic	Hispanic Male	Hispanic Female
All Ages	62,458	30,666	31,792	60,289	29,568	30,721	555	327	228	1,614	771	843	2,080	1,060	1,020
Infants	497	254	243	455	232	223	9	4	5	33	18	15	40	17	23
1 to 4	2,164	1,102	1,062	1,992	1,020	972	47	23	24	125	59	66	178	88	90
5 to 9	2,966	1,514	1,452	2,771	1,423	1,348	54	29	25	141	62	79	231	123	108
10 to 14	3,130	1,612	1,518	2,964	1,523	1,441	34	16	18	132	73	59	207	101	106
15 to 19	2,856	1,500	1,356	2,710	1,418	1,292	34	23	11	112	59	53	168	88	80
20 to 24	2,628	1,378	1,250	2,482	1,302	1,180	38	17	21	108	59	49	123	66	57
25 to 29	2,998	1,579	1,419	2,871	1,501	1,370	36	24	12	91	54	37	171	97	74
30 to 34	2,995	1,484	1,511	2,869	1,414	1,455	34	24	10	92	46	46	135	61	74
35 to 39	2,792	1,360	1,432	2,701	1,311	1,390	26	20	6	65	29	36	135	71	64
40 to 44	2,785	1,332	1,453	2,677	1,271	1,406	23	16	7	85	45	40	117	62	55
45 to 49	3,035	1,461	1,574	2,936	1,417	1,519	35	20	15	64	24	40	86	42	44
50 to 54	3,605	1,816	1,789	3,505	1,766	1,739	28	18	10	72	32	40	79	38	41
55 to 59	4,470	2,119	2,351	4,359	2,063	2,296	27	15	12	84	41	43	87	45	42
60 to 64	5,516	2,525	2,991	5,388	2,475	2,913	36	20	16	92	30	62	90	37	53
65 to 69	6,059	2,875	3,184	5,905	2,812	3,093	40	19	21	114	44	70	96	52	44
70 to 74	5,756	2,736	3,020	5,649	2,674	2,975	20	15	5	87	47	40	52	33	19
75 to 79	4,019	2,045	1,974	3,949	2,004	1,945	19	14	5	51	27	24	45	23	22
80 to 84	2,449	1,215	1,234	2,397	1,194	1,203	8	6	2	44	15	29	23	11	12
85 plus	1,738	759	979	1,709	748	961	7	4	3	22	7	15	17	5	12

Note: People who are Hispanic may be of any race.

Source: Tennessee Department of Health, Division of PHA; based on interpolated data from the U.S. Census, Annual Estimates of the Resident Population: April 1, 2010 to July 1, 2021.

Population Counts by Age Group, Sex, Race and Ethnicity, Estimates 2021

FENTRESS COUNTY

Age Group	Total Pop	Total Male	Total Female	Total White	White Male	White Female	Total Black	Black Male	Black Female	Total Other	Other Male	Other Female	Total Hispanic	Hispanic Male	Hispanic Female
All Ages	18,844	9,366	9,478	18,319	9,113	9,206	106	45	61	419	208	211	353	179	174
Infants	174	86	88	169	85	84	2	0	2	3	1	2	7	2	5
1 to 4	787	406	381	748	386	362	4	0	4	35	20	15	25	9	16
5 to 9	1,095	574	521	1,029	534	495	5	3	2	61	37	24	35	15	20
10 to 14	1,094	557	537	1,061	540	521	10	5	5	23	12	11	38	18	20
15 to 19	1,018	527	491	986	505	481	10	5	5	22	17	5	30	15	15
20 to 24	957	525	432	928	511	417	6	1	5	23	13	10	31	19	12
25 to 29	990	502	488	970	493	477	2	1	1	18	8	10	12	2	10
30 to 34	999	521	478	974	509	465	12	7	5	13	5	8	22	12	10
35 to 39	987	494	493	949	475	474	14	9	5	24	10	14	28	18	10
40 to 44	1,046	542	504	1,016	527	489	10	5	5	20	10	10	22	13	9
45 to 49	1,118	563	555	1,085	548	537	6	1	5	27	14	13	13	8	5
50 to 54	1,325	638	687	1,307	632	675	5	0	5	13	6	7	15	10	5
55 to 59	1,492	701	791	1,458	685	773	5	0	5	29	16	13	21	13	8
60 to 64	1,508	736	772	1,483	730	753	1	0	1	24	6	18	22	8	14
65 to 69	1,421	675	746	1,382	660	722	10	5	5	29	10	19	16	10	6
70 to 74	1,245	596	649	1,223	586	637	1	0	1	21	10	11	10	5	5
75 to 79	859	409	450	845	404	441	0	0	0	14	5	9	4	1	3
80 to 84	452	222	230	441	214	227	2	2	0	9	6	3	0	0	0
85 plus	277	92	185	265	89	176	1	1	0	11	2	9	2	1	1

Note: People who are Hispanic may be of any race.

Source: Tennessee Department of Health, Division of PHA; based on interpolated data from the U.S. Census, Annual Estimates of the Resident Population: April 1, 2010 to July 1, 2021.

Population Counts by Age Group, Sex, Race and Ethnicity, Estimates 2021

GRAINGER COUNTY

Age Group	Total Pop	Total Male	Total Female	Total White	White Male	White Female	Total Black	Black Male	Black Female	Total Other	Other Male	Other Female
All Ages	23,758	12,036	11,722	22,980	11,615	11,365	277	156	121	501	265	236
Infants	236	111	125	224	104	120	2	1	1	10	6	4
1 to 4	905	453	452	862	428	434	19	11	8	24	14	10
5 to 9	1,190	630	560	1,134	600	534	28	18	10	28	12	16
10 to 14	1,414	743	671	1,342	705	637	17	12	5	55	26	29
15 to 19	1,394	766	628	1,330	726	604	19	9	10	45	31	14
20 to 24	1,197	637	560	1,154	618	536	8	3	5	35	16	19
25 to 29	1,415	742	673	1,349	704	645	26	17	9	40	21	19
30 to 34	1,282	673	609	1,239	651	588	21	11	10	22	11	11
35 to 39	1,219	591	628	1,169	562	607	23	14	9	27	15	12
40 to 44	1,367	709	658	1,344	692	652	2	2	0	21	15	6
45 to 49	1,518	762	756	1,485	741	744	15	10	5	18	11	7
50 to 54	1,828	938	890	1,791	926	865	12	2	10	25	10	15
55 to 59	1,888	930	958	1,845	908	937	17	11	6	26	11	15
60 to 64	1,785	901	884	1,739	877	862	10	5	5	36	19	17
65 to 69	1,742	857	885	1,692	828	864	23	13	10	27	16	11
70 to 74	1,485	732	753	1,444	710	734	11	6	5	30	16	14
75 to 79	983	471	512	962	460	502	10	5	5	11	6	5
80 to 84	585	268	317	561	257	304	9	5	4	15	6	9
85 plus	325	122	203	314	118	196	5	1	4	6	3	3

Total Hispanic	Hispanic Male	Hispanic Female
852	535	317
7	4	3
45	25	20
79	43	36
83	43	40
84	46	38
61	33	28
76	59	17
89	75	14
64	35	29
57	41	16
44	24	20
49	29	20
26	12	14
37	31	6
18	13	5
13	8	5
10	5	5
6	5	1
4	4	0

Note: People who are Hispanic may be of any race.

Source: Tennessee Department of Health, Division of PHA; based on interpolated data from the U.S. Census, Annual Estimates of the Resident Population: April 1, 2010 to July 1, 2021.

Population Counts by Age Group, Sex, Race and Ethnicity, Estimates 2021

HAMBLEN COUNTY

Age Group	Total Pop	Total Male	Total Female	Total White	White Male	White Female	Total Black	Black Male	Black Female	Total Other	Other Male	Other Female	Total Hispanic	Hispanic Male	Hispanic Female
All Ages	64,475	31,848	32,627	58,603	28,861	29,742	2,906	1,476	1,430	2,966	1,511	1,455	7,976	4,242	3,734
Infants	760	390	370	653	332	321	31	15	16	76	43	33	219	116	103
1 to 4	3,059	1,606	1,453	2,627	1,367	1,260	149	76	73	283	163	120	784	411	373
5 to 9	4,004	2,114	1,890	3,459	1,821	1,638	214	108	106	331	185	146	936	485	451
10 to 14	4,359	2,217	2,142	3,819	1,971	1,848	200	84	116	340	162	178	1,066	554	512
15 to 19	4,106	2,071	2,035	3,639	1,839	1,800	182	87	95	285	145	140	864	471	393
20 to 24	3,728	1,895	1,833	3,345	1,677	1,668	165	96	69	218	122	96	590	291	299
25 to 29	3,938	2,054	1,884	3,596	1,869	1,727	188	104	84	154	81	73	441	235	206
30 to 34	3,800	1,913	1,887	3,438	1,719	1,719	194	109	85	168	85	83	459	224	235
35 to 39	3,728	1,894	1,834	3,376	1,718	1,658	181	96	85	171	80	91	568	316	252
40 to 44	3,940	1,985	1,955	3,526	1,773	1,753	245	128	117	169	84	85	632	375	257
45 to 49	4,141	2,042	2,099	3,772	1,846	1,926	192	108	84	177	88	89	425	241	184
50 to 54	4,379	2,152	2,227	4,088	2,018	2,070	155	74	81	136	60	76	301	163	138
55 to 59	4,426	2,280	2,146	4,120	2,122	1,998	186	96	90	120	62	58	253	147	106
60 to 64	4,271	2,068	2,203	3,970	1,917	2,053	200	104	96	101	47	54	152	72	80
65 to 69	3,520	1,651	1,869	3,317	1,553	1,764	130	63	67	73	35	38	97	42	55
70 to 74	3,303	1,480	1,823	3,112	1,391	1,721	127	62	65	64	27	37	75	42	33
75 to 79	2,337	1,030	1,307	2,213	974	1,239	84	40	44	40	16	24	48	21	27
80 to 84	1,440	617	823	1,366	587	779	52	20	32	22	10	12	33	15	18
85 plus	1,236	389	847	1,167	367	800	31	6	25	38	16	22	33	21	12

Note: People who are Hispanic may be of any race.

Source: Tennessee Department of Health, Division of PHA; based on interpolated data from the U.S. Census, Annual Estimates of the Resident Population: April 1, 2010 to July 1, 2021.

Population Counts by Age Group, Sex, Race and Ethnicity, Estimates 2021

HAMILTON COUNTY

Age Group	Total Pop	Total Male	Total Female	Total White	White Male	White Female	Total Black	Black Male	Black Female	Total Other	Other Male	Other Female	Total Hispanic	Hispanic Male	Hispanic Female
All Ages	369,133	179,079	190,054	280,318	137,326	142,992	70,024	32,331	37,693	18,791	9,422	9,369	23,697	12,490	11,207
Infants	4,229	2,166	2,063	2,905	1,499	1,406	923	451	472	401	216	185	681	345	336
1 to 4	16,691	8,534	8,157	11,541	5,923	5,618	3,615	1,814	1,801	1,535	797	738	2,451	1,237	1,214
5 to 9	20,990	10,750	10,240	14,595	7,464	7,131	4,591	2,358	2,233	1,804	928	876	2,631	1,338	1,293
10 to 14	21,850	11,264	10,586	15,182	7,789	7,393	4,951	2,534	2,417	1,717	941	776	2,351	1,238	1,113
15 to 19	22,013	10,844	11,169	15,500	7,606	7,894	4,980	2,447	2,533	1,533	791	742	2,023	1,000	1,023
20 to 24	22,318	11,071	11,247	16,040	7,974	8,066	4,940	2,449	2,491	1,338	648	690	1,891	968	923
25 to 29	25,820	12,703	13,117	19,132	9,420	9,712	5,278	2,559	2,719	1,410	724	686	1,816	956	860
30 to 34	27,453	13,361	14,092	20,691	10,285	10,406	5,389	2,413	2,976	1,373	663	710	1,687	936	751
35 to 39	24,293	12,141	12,152	18,800	9,568	9,232	4,214	1,936	2,278	1,279	637	642	1,783	1,009	774
40 to 44	22,966	11,353	11,613	17,480	8,853	8,627	4,276	1,930	2,346	1,210	570	640	1,425	822	603
45 to 49	21,798	10,719	11,079	16,902	8,509	8,393	3,849	1,680	2,169	1,047	530	517	1,358	767	591
50 to 54	23,461	11,460	12,001	18,428	9,205	9,223	4,120	1,804	2,316	913	451	462	1,013	564	449
55 to 59	24,059	11,681	12,378	18,901	9,358	9,543	4,382	1,946	2,436	776	377	399	820	426	394
60 to 64	24,297	11,560	12,737	19,229	9,294	9,935	4,354	1,950	2,404	714	316	398	632	335	297
65 to 69	21,857	10,167	11,690	17,293	8,176	9,117	3,929	1,684	2,245	635	307	328	441	231	210
70 to 74	18,567	8,632	9,935	15,112	7,127	7,985	2,899	1,241	1,658	556	264	292	315	149	166
75 to 79	11,622	5,157	6,465	9,823	4,435	5,388	1,502	582	920	297	140	157	185	91	94
80 to 84	7,461	3,048	4,413	6,379	2,647	3,732	930	322	608	152	79	73	91	40	51
85 plus	7,388	2,468	4,920	6,385	2,194	4,191	902	231	671	101	43	58	103	38	65

Note: People who are Hispanic may be of any race.

Source: Tennessee Department of Health, Division of PHA; based on interpolated data from the U.S. Census, Annual Estimates of the Resident Population: April 1, 2010 to July 1, 2021.

Population Counts by Age Group, Sex, Race and Ethnicity, Estimates 2021

JEFFERSON COUNTY

Age Group	Total Pop	Total Male	Total Female	Total White	White Male	White Female	Total Black	Black Male	Black Female	Total Other	Other Male	Other Female	Total Hispanic	Hispanic Male	Hispanic Female
All Ages	55,615	27,514	28,101	52,888	26,101	26,787	1,168	682	486	1,559	731	828	2,234	1,197	1,037
Infants	479	241	238	453	230	223	3	2	1	23	9	14	41	21	20
1 to 4	2,086	1,043	1,043	1,911	956	955	43	22	21	132	65	67	165	81	84
5 to 9	2,922	1,461	1,461	2,656	1,321	1,335	82	42	40	184	98	86	229	113	116
10 to 14	3,191	1,609	1,582	2,996	1,509	1,487	71	44	27	124	56	68	279	150	129
15 to 19	3,429	1,799	1,630	3,177	1,651	1,526	137	93	44	115	55	60	251	138	113
20 to 24	3,283	1,638	1,645	3,046	1,519	1,527	94	65	29	143	54	89	175	89	86
25 to 29	3,244	1,678	1,566	3,080	1,589	1,491	66	43	23	98	46	52	140	76	64
30 to 34	3,254	1,608	1,646	3,111	1,531	1,580	75	50	25	68	27	41	148	71	77
35 to 39	2,912	1,493	1,419	2,746	1,412	1,334	66	42	24	100	39	61	157	87	70
40 to 44	3,209	1,570	1,639	3,069	1,486	1,583	58	40	18	82	44	38	171	101	70
45 to 49	3,529	1,779	1,750	3,396	1,699	1,697	67	45	22	66	35	31	131	80	51
50 to 54	3,989	1,986	2,003	3,837	1,899	1,938	77	44	33	75	43	32	107	51	56
55 to 59	4,454	2,231	2,223	4,301	2,162	2,139	75	37	38	78	32	46	67	43	24
60 to 64	4,293	2,127	2,166	4,124	2,042	2,082	79	44	35	90	41	49	58	35	23
65 to 69	3,699	1,805	1,894	3,574	1,748	1,826	57	25	32	68	32	36	41	25	16
70 to 74	3,184	1,494	1,690	3,086	1,450	1,636	50	23	27	48	21	27	37	18	19
75 to 79	2,135	1,017	1,118	2,064	983	1,081	34	15	19	37	19	18	17	10	7
80 to 84	1,334	600	734	1,300	588	712	19	4	15	15	8	7	11	4	7
85 plus	989	335	654	961	326	635	15	2	13	13	7	6	9	4	5

Note: People who are Hispanic may be of any race.

Source: Tennessee Department of Health, Division of PHA; based on interpolated data from the U.S. Census, Annual Estimates of the Resident Population: April 1, 2010 to July 1, 2021.

Population Counts by Age Group, Sex, Race and Ethnicity, Estimates 2021

KNOX COUNTY

Age Group	Total Pop	Total Male	Total Female	Total White	White Male	White Female	Total Black	Black Male	Black Female	Total Other	Other Male	Other Female	Total Hispanic	Hispanic Male	Hispanic Female
All Ages	486,685	237,793	248,892	417,089	203,913	213,176	43,292	20,730	22,562	26,304	13,150	13,154	23,830	12,139	11,691
Infants	5,103	2,648	2,455	4,018	2,103	1,915	589	293	296	496	252	244	522	289	233
1 to 4	21,167	10,880	10,287	16,979	8,759	8,220	2,270	1,132	1,138	1,918	989	929	1,945	1,032	913
5 to 9	27,940	14,271	13,669	22,672	11,566	11,106	2,906	1,475	1,431	2,362	1,230	1,132	2,381	1,209	1,172
10 to 14	29,335	15,031	14,304	23,613	12,062	11,551	3,274	1,706	1,568	2,448	1,263	1,185	2,633	1,339	1,294
15 to 19	32,460	16,483	15,977	26,684	13,673	13,011	3,422	1,659	1,763	2,354	1,151	1,203	2,276	1,217	1,059
20 to 24	42,024	21,116	20,908	34,978	17,458	17,520	4,195	2,132	2,063	2,851	1,526	1,325	1,967	1,020	947
25 to 29	34,626	17,203	17,423	28,941	14,354	14,587	3,476	1,715	1,761	2,209	1,134	1,075	1,937	963	974
30 to 34	32,961	16,291	16,670	27,948	13,901	14,047	3,079	1,408	1,671	1,934	982	952	1,702	845	857
35 to 39	31,917	15,684	16,233	27,355	13,507	13,848	2,695	1,235	1,460	1,867	942	925	1,846	915	931
40 to 44	30,577	15,115	15,462	26,288	13,055	13,233	2,702	1,281	1,421	1,587	779	808	1,672	903	769
45 to 49	28,773	14,289	14,484	24,856	12,359	12,497	2,502	1,249	1,253	1,415	681	734	1,389	718	671
50 to 54	30,158	14,891	15,267	26,451	13,160	13,291	2,518	1,196	1,322	1,189	535	654	1,061	502	559
55 to 59	30,726	14,769	15,957	27,255	13,151	14,104	2,362	1,113	1,249	1,109	505	604	783	379	404
60 to 64	29,396	14,130	15,266	26,227	12,653	13,574	2,379	1,095	1,284	790	382	408	560	291	269
65 to 69	26,207	12,160	14,047	23,642	11,005	12,637	1,882	830	1,052	683	325	358	441	202	239
70 to 74	22,334	10,198	12,136	20,409	9,374	11,035	1,423	618	805	502	206	296	289	134	155
75 to 79	14,288	6,299	7,989	13,237	5,847	7,390	737	308	429	314	144	170	205	91	114
80 to 84	8,799	3,590	5,209	8,201	3,361	4,840	446	154	292	152	75	77	110	46	64
85 plus	7,894	2,745	5,149	7,335	2,565	4,770	435	131	304	124	49	75	111	44	67

Note: People who are Hispanic may be of any race.

Source: Tennessee Department of Health, Division of PHA; based on interpolated data from the U.S. Census, Annual Estimates of the Resident Population: April 1, 2010 to July 1, 2021.

Population Counts by Age Group, Sex, Race and Ethnicity, Estimates 2021

LOUDON COUNTY

Age Group	Total Pop	Total Male	Total Female	Total White	White Male	White Female	Total Black	Black Male	Black Female	Total Other	Other Male	Other Female	Total Hispanic	Hispanic Male	Hispanic Female
All Ages	56,694	28,020	28,674	53,933	26,614	27,319	918	487	431	1,843	919	924	5,554	3,009	2,545
Infants	488	250	238	429	211	218	13	7	6	46	32	14	106	58	48
1 to 4	2,131	1,113	1,018	1,895	987	908	66	32	34	170	94	76	448	228	220
5 to 9	2,987	1,576	1,411	2,716	1,455	1,261	85	39	46	186	82	104	640	326	314
10 to 14	3,266	1,712	1,554	3,041	1,589	1,452	61	34	27	164	89	75	755	426	329
15 to 19	2,960	1,562	1,398	2,755	1,461	1,294	53	28	25	152	73	79	478	240	238
20 to 24	2,589	1,346	1,243	2,411	1,248	1,163	51	29	22	127	69	58	361	213	148
25 to 29	2,742	1,385	1,357	2,595	1,312	1,283	42	24	18	105	49	56	385	201	184
30 to 34	2,896	1,488	1,408	2,722	1,384	1,338	71	47	24	103	57	46	468	283	185
35 to 39	2,801	1,401	1,400	2,639	1,316	1,323	71	47	24	91	38	53	404	223	181
40 to 44	2,749	1,335	1,414	2,620	1,267	1,353	48	28	20	81	40	41	352	199	153
45 to 49	3,017	1,421	1,596	2,872	1,354	1,518	50	25	25	95	42	53	272	116	156
50 to 54	3,670	1,767	1,903	3,513	1,689	1,824	46	25	21	111	53	58	292	162	130
55 to 59	4,092	2,019	2,073	3,939	1,955	1,984	63	25	38	90	39	51	206	119	87
60 to 64	4,793	2,322	2,471	4,633	2,239	2,394	57	30	27	103	53	50	143	72	71
65 to 69	4,791	2,296	2,495	4,668	2,227	2,441	49	26	23	74	43	31	88	54	34
70 to 74	4,453	2,107	2,346	4,335	2,051	2,284	51	27	24	67	29	38	60	26	34
75 to 79	3,053	1,468	1,585	3,001	1,449	1,552	14	3	11	38	16	22	38	21	17
80 to 84	1,817	901	916	1,779	878	901	13	7	6	25	16	9	20	14	6
85 plus	1,399	551	848	1,370	542	828	14	4	10	15	5	10	38	28	10

Note: People who are Hispanic may be of any race.

Source: Tennessee Department of Health, Division of PHA; based on interpolated data from the U.S. Census, Annual Estimates of the Resident Population: April 1, 2010 to July 1, 2021.

Population Counts by Age Group, Sex, Race and Ethnicity, Estimates 2021

MCMINN COUNTY

Age Group	Total Pop	Total Male	Total Female	Total White	White Male	White Female	Total Black	Black Male	Black Female	Total Other	Other Male	Other Female	Total Hispanic	Hispanic Male	Hispanic Female
All Ages	54,056	26,597	27,459	49,915	24,533	25,382	2,191	1,110	1,081	1,950	954	996	2,569	1,249	1,320
Infants	571	312	259	508	281	227	39	22	17	24	9	15	45	26	19
1 to 4	2,375	1,251	1,124	2,080	1,107	973	132	65	67	163	79	84	189	94	95
5 to 9	3,138	1,610	1,528	2,753	1,425	1,328	134	55	79	251	130	121	265	122	143
10 to 14	3,296	1,709	1,587	2,975	1,561	1,414	130	58	72	191	90	101	294	151	143
15 to 19	3,367	1,704	1,663	3,053	1,536	1,517	143	81	62	171	87	84	236	112	124
20 to 24	3,042	1,532	1,510	2,779	1,393	1,386	137	76	61	126	63	63	169	88	81
25 to 29	3,316	1,656	1,660	3,037	1,507	1,530	165	93	72	114	56	58	167	80	87
30 to 34	3,150	1,566	1,584	2,899	1,434	1,465	148	82	66	103	50	53	178	79	99
35 to 39	3,067	1,485	1,582	2,854	1,368	1,486	117	63	54	96	54	42	230	101	129
40 to 44	3,137	1,508	1,629	2,920	1,402	1,518	123	65	58	94	41	53	172	96	76
45 to 49	3,242	1,569	1,673	3,018	1,461	1,557	141	66	75	83	42	41	150	65	85
50 to 54	3,765	1,946	1,819	3,579	1,838	1,741	120	72	48	66	36	30	116	69	47
55 to 59	3,781	1,845	1,936	3,534	1,730	1,804	143	71	72	104	44	60	87	48	39
60 to 64	3,917	1,923	1,994	3,640	1,781	1,859	167	84	83	110	58	52	101	36	65
65 to 69	3,450	1,693	1,757	3,233	1,590	1,643	137	61	76	80	42	38	71	39	32
70 to 74	3,015	1,403	1,612	2,862	1,328	1,534	88	46	42	65	29	36	40	24	16
75 to 79	2,030	925	1,105	1,935	884	1,051	50	22	28	45	19	26	24	11	13
80 to 84	1,291	541	750	1,217	509	708	36	11	25	38	21	17	23	5	18
85 plus	1,106	419	687	1,039	398	641	41	17	24	26	4	22	12	3	9

Note: People who are Hispanic may be of any race.

Source: Tennessee Department of Health, Division of PHA; based on interpolated data from the U.S. Census, Annual Estimates of the Resident Population: April 1, 2010 to July 1, 2021.

Population Counts by Age Group, Sex, Race and Ethnicity, Estimates 2021

MARION COUNTY

Age Group	Total Pop	Total Male	Total Female	Total White	White Male	White Female	Total Black	Black Male	Black Female	Total Other	Other Male	Other Female	Total Hispanic	Hispanic Male	Hispanic Female
All Ages	28,875	14,275	14,600	26,828	13,271	13,557	1,173	585	588	874	419	455	630	335	295
Infants	307	159	148	269	144	125	13	5	8	25	10	15	15	8	7
1 to 4	1,239	634	605	1,111	574	537	48	23	25	80	37	43	48	28	20
5 to 9	1,616	823	793	1,463	743	720	68	37	31	85	43	42	54	33	21
10 to 14	1,729	895	834	1,546	807	739	88	44	44	95	44	51	66	33	33
15 to 19	1,663	842	821	1,506	768	738	81	40	41	76	34	42	43	22	21
20 to 24	1,570	798	772	1,418	723	695	87	43	44	65	32	33	48	20	28
25 to 29	1,661	862	799	1,533	794	739	82	46	36	46	22	24	33	15	18
30 to 34	1,678	837	841	1,564	784	780	72	37	35	42	16	26	39	19	20
35 to 39	1,604	795	809	1,497	731	766	74	45	29	33	19	14	67	42	25
40 to 44	1,665	871	794	1,576	819	757	59	37	22	30	15	15	57	26	31
45 to 49	1,827	887	940	1,743	846	897	53	26	27	31	15	16	41	23	18
50 to 54	1,943	971	972	1,833	920	913	67	28	39	43	23	20	32	22	10
55 to 59	2,164	1,069	1,095	2,018	1,001	1,017	104	51	53	42	17	25	27	17	10
60 to 64	2,143	1,021	1,122	1,998	954	1,044	93	39	54	52	28	24	21	11	10
65 to 69	2,084	1,020	1,064	1,975	962	1,013	72	37	35	37	21	16	14	8	6
70 to 74	1,727	826	901	1,644	786	858	42	18	24	41	22	19	10	5	5
75 to 79	1,060	495	565	1,010	468	542	26	14	12	24	13	11	6	1	5
80 to 84	643	275	368	612	262	350	16	6	10	15	7	8	5	1	4
85 plus	552	195	357	512	185	327	28	9	19	12	1	11	4	1	3

Note: People who are Hispanic may be of any race.

Source: Tennessee Department of Health, Division of PHA; based on interpolated data from the U.S. Census, Annual Estimates of the Resident Population: April 1, 2010 to July 1, 2021.

Population Counts by Age Group, Sex, Race and Ethnicity, Estimates 2021

MEIGS COUNTY

Age Group	Total Pop	Total Male	Total Female	Total White	White Male	White Female	Total Black	Black Male	Black Female	Total Other	Other Male	Other Female
All Ages	13,036	6,511	6,525	12,354	6,155	6,199	268	135	133	414	221	193
Infants	138	67	71	126	62	64	2	0	2	10	5	5
1 to 4	563	282	281	508	262	246	16	4	12	39	16	23
5 to 9	742	381	361	674	351	323	26	12	14	42	18	24
10 to 14	800	399	401	743	365	378	19	10	9	38	24	14
15 to 19	703	370	333	662	344	318	15	10	5	26	16	10
20 to 24	711	359	352	676	339	337	10	5	5	25	15	10
25 to 29	706	348	358	675	332	343	10	5	5	21	11	10
30 to 34	680	345	335	643	325	318	20	10	10	17	10	7
35 to 39	697	354	343	644	328	316	30	16	14	23	10	13
40 to 44	793	390	403	759	367	392	16	10	6	18	13	5
45 to 49	851	438	413	826	425	401	10	5	5	15	8	7
50 to 54	959	476	483	906	447	459	20	10	10	33	19	14
55 to 59	1,022	483	539	991	467	524	10	5	5	21	11	10
60 to 64	921	478	443	883	457	426	15	9	6	23	12	11
65 to 69	892	419	473	852	403	449	20	10	10	20	6	14
70 to 74	818	425	393	790	410	380	12	5	7	16	10	6
75 to 79	547	274	273	525	259	266	7	5	2	15	10	5
80 to 84	293	147	146	279	141	138	8	2	6	6	4	2
85 plus	200	76	124	192	71	121	2	2	0	6	3	3

Total Hispanic	Hispanic Male	Hispanic Female
307	160	147
6	3	3
24	12	12
30	15	15
32	17	15
23	11	12
32	13	19
22	4	18
18	12	6
25	16	9
29	22	7
15	10	5
6	1	5
8	2	6
16	11	5
10	5	5
5	5	0
4	0	4
0	0	0
2	1	1

Note: People who are Hispanic may be of any race.

Source: Tennessee Department of Health, Division of PHA; based on interpolated data from the U.S. Census, Annual Estimates of the Resident Population: April 1, 2010 to July 1, 2021.

Population Counts by Age Group, Sex, Race and Ethnicity, Estimates 2021

MONROE COUNTY

Age Group	Total Pop	Total Male	Total Female	Total White	White Male	White Female	Total Black	Black Male	Black Female	Total Other	Other Male	Other Female	Total Hispanic	Hispanic Male	Hispanic Female
All Ages	46,701	23,276	23,425	44,195	21,976	22,219	1,038	554	484	1,468	746	722	2,133	1,140	993
Infants	480	229	251	431	210	221	14	4	10	35	15	20	30	13	17
1 to 4	1,981	1,018	963	1,814	936	878	44	17	27	123	65	58	153	81	72
5 to 9	2,635	1,411	1,224	2,450	1,299	1,151	50	28	22	135	84	51	230	124	106
10 to 14	2,837	1,453	1,384	2,629	1,344	1,285	70	37	33	138	72	66	235	104	131
15 to 19	2,685	1,396	1,289	2,487	1,294	1,193	68	34	34	130	68	62	196	102	94
20 to 24	2,334	1,216	1,118	2,198	1,150	1,048	49	22	27	87	44	43	175	85	90
25 to 29	2,662	1,387	1,275	2,489	1,300	1,189	72	37	35	101	50	51	197	119	78
30 to 34	2,739	1,409	1,330	2,602	1,322	1,280	74	53	21	63	34	29	133	74	59
35 to 39	2,451	1,233	1,218	2,305	1,144	1,161	73	54	19	73	35	38	126	60	66
40 to 44	2,602	1,315	1,287	2,483	1,242	1,241	61	41	20	58	32	26	128	70	58
45 to 49	2,725	1,374	1,351	2,618	1,320	1,298	48	28	20	59	26	33	130	84	46
50 to 54	3,251	1,584	1,667	3,144	1,522	1,622	56	32	24	51	30	21	96	48	48
55 to 59	3,504	1,739	1,765	3,337	1,659	1,678	86	43	43	81	37	44	82	43	39
60 to 64	3,578	1,755	1,823	3,395	1,671	1,724	76	36	40	107	48	59	78	44	34
65 to 69	3,276	1,565	1,711	3,141	1,498	1,643	67	34	33	68	33	35	55	31	24
70 to 74	3,008	1,431	1,577	2,892	1,374	1,518	53	29	24	63	28	35	41	29	12
75 to 79	1,973	964	1,009	1,901	925	976	30	15	15	42	24	18	27	19	8
80 to 84	1,122	475	647	1,066	456	610	31	10	21	25	9	16	7	5	2
85 plus	858	322	536	813	310	503	16	0	16	29	12	17	14	5	9

Note: People who are Hispanic may be of any race.

Source: Tennessee Department of Health, Division of PHA; based on interpolated data from the U.S. Census, Annual Estimates of the Resident Population: April 1, 2010 to July 1, 2021.

Population Counts by Age Group, Sex, Race and Ethnicity, Estimates 2021

MORGAN COUNTY

Age Group	Total Pop	Total Male	Total Female	Total White	White Male	White Female	Total Black	Black Male	Black Female	Total Other	Other Male	Other Female
All Ages	21,260	11,716	9,544	19,925	10,686	9,239	825	761	64	510	269	241
Infants	202	100	102	192	97	95	5	1	4	5	2	3
1 to 4	830	423	407	785	402	383	14	4	10	31	17	14
5 to 9	1,091	566	525	1,034	535	499	11	5	6	46	26	20
10 to 14	1,157	589	568	1,108	565	543	11	6	5	38	18	20
15 to 19	1,176	627	549	1,113	591	522	21	16	5	42	20	22
20 to 24	1,317	808	509	1,165	677	488	118	113	5	34	18	16
25 to 29	1,490	944	546	1,309	785	524	148	144	4	33	15	18
30 to 34	1,444	914	530	1,245	730	515	170	165	5	29	19	10
35 to 39	1,353	824	529	1,219	707	512	102	97	5	32	20	12
40 to 44	1,317	804	513	1,207	713	494	77	72	5	33	19	14
45 to 49	1,423	818	605	1,346	747	599	60	60	0	17	11	6
50 to 54	1,558	885	673	1,487	826	661	44	44	0	27	15	12
55 to 59	1,527	813	714	1,472	781	691	20	16	4	35	16	19
60 to 64	1,413	738	675	1,374	714	660	17	17	0	22	7	15
65 to 69	1,340	656	684	1,305	636	669	6	1	5	29	19	10
70 to 74	1,118	530	588	1,093	516	577	1	0	1	24	14	10
75 to 79	715	328	387	702	324	378	0	0	0	13	4	9
80 to 84	442	205	237	431	199	232	0	0	0	11	6	5
85 plus	347	144	203	338	141	197	0	0	0	9	3	6

Total Hispanic	Hispanic Male	Hispanic Female
375	193	182
5	1	4
23	7	16
35	18	17
32	20	12
30	20	10
35	24	11
36	12	24
26	19	7
33	17	16
20	13	7
26	10	16
19	10	9
8	3	5
10	5	5
15	5	10
7	5	2
6	1	5
4	1	3
5	2	3

Note: People who are Hispanic may be of any race.

Source: Tennessee Department of Health, Division of PHA; based on interpolated data from the U.S. Census, Annual Estimates of the Resident Population: April 1, 2010 to July 1, 2021.

Population Counts by Age Group, Sex, Race and Ethnicity, Estimates 2021

RHEA COUNTY

Age Group	Total Pop	Total Male	Total Female	Total White	White Male	White Female	Total Black	Black Male	Black Female	Total Other	Other Male	Other Female	Total Hispanic	Hispanic Male	Hispanic Female
All Ages	33,145	16,448	16,697	31,275	15,471	15,804	753	426	327	1,117	551	566	1,871	1,073	798
Infants	380	194	186	347	180	167	7	3	4	26	11	15	46	22	24
1 to 4	1,536	790	746	1,388	716	672	40	21	19	108	53	55	171	92	79
5 to 9	1,975	1,012	963	1,784	909	875	58	33	25	133	70	63	199	114	85
10 to 14	2,060	1,028	1,032	1,901	953	948	46	21	25	113	54	59	205	108	97
15 to 19	2,255	1,150	1,105	2,118	1,079	1,039	43	23	20	94	48	46	213	121	92
20 to 24	2,100	1,088	1,012	1,975	1,019	956	53	33	20	72	36	36	154	97	57
25 to 29	1,953	1,016	937	1,824	942	882	55	35	20	74	39	35	120	57	63
30 to 34	1,904	943	961	1,769	862	907	59	39	20	76	42	34	131	76	55
35 to 39	1,846	931	915	1,756	877	879	37	22	15	53	32	21	175	121	54
40 to 44	1,902	953	949	1,821	907	914	40	25	15	41	21	20	114	65	49
45 to 49	1,969	972	997	1,880	922	958	42	25	17	47	25	22	91	55	36
50 to 54	2,249	1,100	1,149	2,148	1,051	1,097	51	29	22	50	20	30	80	43	37
55 to 59	2,317	1,160	1,157	2,212	1,110	1,102	50	25	25	55	25	30	63	46	17
60 to 64	2,329	1,174	1,155	2,232	1,124	1,108	46	25	21	51	25	26	41	24	17
65 to 69	2,051	969	1,082	1,945	915	1,030	55	31	24	51	23	28	23	12	11
70 to 74	1,852	869	983	1,803	846	957	26	14	12	23	9	14	23	10	13
75 to 79	1,184	584	600	1,137	562	575	20	10	10	27	12	15	9	7	2
80 to 84	720	299	421	688	285	403	20	10	10	12	4	8	2	1	1
85 plus	563	216	347	547	212	335	5	2	3	11	2	9	11	2	9

Note: People who are Hispanic may be of any race.

Source: Tennessee Department of Health, Division of PHA; based on interpolated data from the U.S. Census, Annual Estimates of the Resident Population: April 1, 2010 to July 1, 2021.

Population Counts by Age Group, Sex, Race and Ethnicity, Estimates 2021

ROANE COUNTY

Age Group	Total Pop	Total Male	Total Female	Total White	White Male	White Female	Total Black	Black Male	Black Female	Total Other	Other Male	Other Female	Total Hispanic	Hispanic Male	Hispanic Female
All Ages	53,994	26,721	27,273	50,786	25,113	25,673	1,550	806	744	1,658	802	856	1,262	627	635
Infants	440	246	194	396	221	175	10	7	3	34	18	16	14	6	8
1 to 4	1,917	997	920	1,743	900	843	67	41	26	107	56	51	72	34	38
5 to 9	2,708	1,353	1,355	2,481	1,230	1,251	105	58	47	122	65	57	117	61	56
10 to 14	2,995	1,552	1,443	2,746	1,418	1,328	84	43	41	165	91	74	125	66	59
15 to 19	2,968	1,592	1,376	2,727	1,471	1,256	88	42	46	153	79	74	94	40	54
20 to 24	2,794	1,444	1,350	2,596	1,340	1,256	76	50	26	122	54	68	96	48	48
25 to 29	2,932	1,487	1,445	2,738	1,389	1,349	83	44	39	111	54	57	77	41	36
30 to 34	2,965	1,458	1,507	2,760	1,350	1,410	108	59	49	97	49	48	80	44	36
35 to 39	2,913	1,450	1,463	2,746	1,356	1,390	95	58	37	72	36	36	101	57	44
40 to 44	2,962	1,431	1,531	2,812	1,361	1,451	89	44	45	61	26	35	74	25	49
45 to 49	3,331	1,637	1,694	3,185	1,570	1,615	82	46	36	64	21	43	75	38	37
50 to 54	3,858	1,972	1,886	3,691	1,882	1,809	94	52	42	73	38	35	79	44	35
55 to 59	4,178	2,029	2,149	3,978	1,952	2,026	101	39	62	99	38	61	59	24	35
60 to 64	4,328	2,131	2,197	4,119	2,032	2,087	110	55	55	99	44	55	59	30	29
65 to 69	4,140	2,025	2,115	3,916	1,924	1,992	119	55	64	105	46	59	49	26	23
70 to 74	3,507	1,719	1,788	3,350	1,639	1,711	93	52	41	64	28	36	36	18	18
75 to 79	2,296	1,098	1,198	2,180	1,039	1,141	67	34	33	49	25	24	21	10	11
80 to 84	1,510	677	833	1,435	643	792	43	15	28	32	19	13	20	10	10
85 plus	1,252	423	829	1,187	396	791	36	12	24	29	15	14	14	5	9

Note: People who are Hispanic may be of any race.

Source: Tennessee Department of Health, Division of PHA; based on interpolated data from the U.S. Census, Annual Estimates of the Resident Population: April 1, 2010 to July 1, 2021.

Population Counts by Age Group, Sex, Race and Ethnicity, Estimates 2021

SEQUATCHIE COUNTY

Age Group	Total Pop	Total Male	Total Female	Total White	White Male	White Female	Total Black	Black Male	Black Female	Total Other	Other Male	Other Female
All Ages	16,396	8,175	8,221	15,788	7,860	7,928	167	97	70	441	218	223
Infants	192	99	93	187	97	90	1	1	0	4	1	3
1 to 4	692	354	338	655	337	318	7	4	3	30	13	17
5 to 9	843	429	414	779	398	381	14	5	9	50	26	24
10 to 14	973	499	474	923	466	457	14	9	5	36	24	12
15 to 19	1,000	533	467	954	512	442	10	5	5	36	16	20
20 to 24	826	435	391	795	420	375	10	5	5	21	10	11
25 to 29	930	446	484	899	438	461	7	2	5	24	6	18
30 to 34	890	462	428	852	434	418	19	14	5	19	14	5
35 to 39	875	429	446	830	402	428	15	10	5	30	17	13
40 to 44	974	472	502	944	453	491	18	13	5	12	6	6
45 to 49	1,075	543	532	1,045	525	520	15	10	5	15	8	7
50 to 54	1,144	582	562	1,109	563	546	6	5	1	29	14	15
55 to 59	1,195	586	609	1,170	576	594	1	0	1	24	10	14
60 to 64	1,275	638	637	1,238	620	618	16	8	8	21	10	11
65 to 69	1,151	563	588	1,120	551	569	2	1	1	29	11	18
70 to 74	980	477	503	950	458	492	9	4	5	21	15	6
75 to 79	682	337	345	669	331	338	1	0	1	12	6	6
80 to 84	389	183	206	372	176	196	1	1	0	16	6	10
85 plus	310	108	202	297	103	194	1	0	1	12	5	7

Total Hispanic	Hispanic Male	Hispanic Female
685	385	300
18	11	7
58	30	28
64	29	35
96	56	40
81	44	37
24	14	10
35	17	18
36	24	12
62	39	23
50	34	16
46	20	26
45	28	17
29	18	11
14	9	5
6	1	5
13	8	5
1	1	0
2	1	1
5	1	4

Note: People who are Hispanic may be of any race.

Source: Tennessee Department of Health, Division of PHA; based on interpolated data from the U.S. Census, Annual Estimates of the Resident Population: April 1, 2010 to July 1, 2021.

Population Counts by Age Group, Sex, Race and Ethnicity, Estimates 2021

SEVIER COUNTY

Age Group	Total Pop	Total Male	Total Female	Total White	White Male	White Female	Total Black	Black Male	Black Female	Total Other	Other Male	Other Female	Total Hispanic	Hispanic Male	Hispanic Female
All Ages	99,512	49,366	50,146	94,082	46,466	47,616	1,606	885	721	3,824	2,015	1,809	7,047	3,833	3,214
Infants	1,039	528	511	936	472	464	29	17	12	74	39	35	180	93	87
1 to 4	4,121	2,142	1,979	3,719	1,924	1,795	90	48	42	312	170	142	728	393	335
5 to 9	5,376	2,841	2,535	4,906	2,590	2,316	92	46	46	378	205	173	859	478	381
10 to 14	5,976	3,131	2,845	5,552	2,913	2,639	109	64	45	315	154	161	724	400	324
15 to 19	5,629	2,997	2,632	5,279	2,799	2,480	101	61	40	249	137	112	572	325	247
20 to 24	5,379	2,781	2,598	4,916	2,547	2,369	176	79	97	287	155	132	452	247	205
25 to 29	6,183	3,144	3,039	5,646	2,833	2,813	234	125	109	303	186	117	539	301	238
30 to 34	5,995	3,014	2,981	5,600	2,780	2,820	134	83	51	261	151	110	533	287	246
35 to 39	5,552	2,781	2,771	5,222	2,602	2,620	113	72	41	217	107	110	512	294	218
40 to 44	5,729	2,809	2,920	5,450	2,657	2,793	92	56	36	187	96	91	538	278	260
45 to 49	6,128	3,061	3,067	5,852	2,914	2,938	97	61	36	179	86	93	388	203	185
50 to 54	6,869	3,417	3,452	6,536	3,247	3,289	99	46	53	234	124	110	269	153	116
55 to 59	7,555	3,595	3,960	7,304	3,452	3,852	62	42	20	189	101	88	227	128	99
60 to 64	7,577	3,620	3,957	7,293	3,477	3,816	66	38	28	218	105	113	190	87	103
65 to 69	6,827	3,215	3,612	6,634	3,124	3,510	47	18	29	146	73	73	141	73	68
70 to 74	5,886	2,793	3,093	5,723	2,719	3,004	19	7	12	144	67	77	86	40	46
75 to 79	3,812	1,805	2,007	3,728	1,759	1,969	24	14	10	60	32	28	45	16	29
80 to 84	2,316	1,043	1,273	2,254	1,016	1,238	14	5	9	48	22	26	24	14	10
85 plus	1,563	649	914	1,532	641	891	8	3	5	23	5	18	40	23	17

Note: People who are Hispanic may be of any race.

Source: Tennessee Department of Health, Division of PHA; based on interpolated data from the U.S. Census, Annual Estimates of the Resident Population: April 1, 2010 to July 1, 2021.

Population Counts by Age Group, Sex, Race and Ethnicity, Estimates 2021

UNION COUNTY

Age Group	Total Pop	Total Male	Total Female	Total White	White Male	White Female	Total Black	Black Male	Black Female	Total Other	Other Male	Other Female	Total Hispanic	Hispanic Male	Hispanic Female
All Ages	20,041	9,967	10,074	19,483	9,696	9,787	129	63	66	429	208	221	432	218	214
Infants	206	116	90	197	111	86	3	1	2	6	4	2	7	2	5
1 to 4	825	440	385	786	423	363	12	4	8	27	13	14	32	15	17
5 to 9	1,117	559	558	1,066	540	526	14	5	9	37	14	23	45	25	20
10 to 14	1,300	638	662	1,258	616	642	9	7	2	33	15	18	34	18	16
15 to 19	1,184	632	552	1,147	613	534	9	4	5	28	15	13	34	19	15
20 to 24	1,036	544	492	1,001	524	477	10	5	5	25	15	10	33	13	20
25 to 29	1,173	593	580	1,143	575	568	7	5	2	23	13	10	28	15	13
30 to 34	1,251	609	642	1,219	594	625	12	7	5	20	8	12	30	15	15
35 to 39	1,100	532	568	1,078	520	558	6	2	4	16	10	6	21	11	10
40 to 44	1,200	584	616	1,170	566	604	13	8	5	17	10	7	33	23	10
45 to 49	1,255	636	619	1,223	623	600	10	5	5	22	8	14	27	12	15
50 to 54	1,457	709	748	1,420	692	728	6	1	5	31	16	15	25	14	11
55 to 59	1,555	787	768	1,520	772	748	10	5	5	25	10	15	20	10	10
60 to 64	1,597	797	800	1,559	778	781	4	4	0	34	15	19	17	7	10
65 to 69	1,318	672	646	1,299	661	638	0	0	0	19	11	8	20	10	10
70 to 74	1,045	525	520	1,022	515	507	3	0	3	20	10	10	12	7	5
75 to 79	700	318	382	678	306	372	0	0	0	22	12	10	7	2	5
80 to 84	411	182	229	400	176	224	0	0	0	11	6	5	5	0	5
85 plus	311	94	217	297	91	206	1	0	1	13	3	10	2	0	2

Note: People who are Hispanic may be of any race.

Source: Tennessee Department of Health, Division of PHA; based on interpolated data from the U.S. Census, Annual Estimates of the Resident Population: April 1, 2010 to July 1, 2021.

Attachment 1N-3
Projected Home Health Need

County	Licensed Agencies Serving County	Agencies Reporting Patients Served in 2021	Population (2021)	Home Health Patients (2021)	Use Rate / 1,000 (2021)	Projected Population (2024)	Projected HH Capacity (2024)	Projected HH Need (2024)	2024 Need/(Surplus)
Anderson	31	24	77,573	2,623	33.8	78,266	2,646	1,174	(1,472)
Bledsoe	23	8	15,245	351	23.0	15,490	357	232	(124)
Blount	26	22	137,602	3,515	25.5	138,267	3,532	2,074	(1,458)
Bradley	27	21	110,171	2,732	24.8	112,020	2,778	1,680	(1,098)
Campbell	29	18	39,571	1,127	28.5	39,163	1,115	587	(528)
Claiborne	29	18	32,277	1,342	41.6	32,392	1,347	486	(861)
Cocke	25	19	36,419	1,427	39.2	36,363	1,425	545	(879)
Cumberland	26	17	62,458	2,117	33.9	63,470	2,151	952	(1,199)
Fentress	20	12	18,844	1,062	56.4	18,524	1,044	278	(766)
Grainger	27	18	23,758	854	35.9	23,762	854	356	(498)
Hamblen	27	22	64,475	2,658	41.2	66,458	2,740	997	(1,743)
Hamilton	26	24	369,133	9,349	25.3	379,958	9,623	5,699	(3,924)
Jefferson	26	20	55,615	1,785	32.1	56,445	1,812	847	(965)
Knox	31	30	486,685	11,028	22.7	490,549	11,116	7,358	(3,757)
Loudon	32	28	55,694	1,699	30.5	57,017	1,739	855	(884)
Marion	25	21	28,875	839	29.1	28,466	827	427	(400)
McMinn	29	24	54,056	1,626	30.1	54,607	1,643	819	(823)
Meigs	28	19	13,036	425	32.6	12,753	416	191	(224)
Monroe	26	19	46,701	1,539	33.0	48,029	1,583	720	(862)
Rhea	27	21	33,145	937	28.3	34,277	969	514	(455)
Roane	33	27	53,994	2,243	41.5	53,400	2,218	801	(1,417)
Sequatchie	26	17	16,396	420	25.6	15,812	405	237	(168)
Sevier	25	23	99,512	2,546	25.6	105,864	2,709	1,588	(1,121)
Union	30	22	20,041	469	23.4	19,963	467	299	(168)
Service Area Total	654	494	1,951,276	54,713	28.0	1,981,315	55,515	29,720	(25,795)
Morgan	31	20	21,260	654	30.8	22,043	678	331	(347)
Service Area Total with Morgan County	685	514	1,972,536	55,367	28.0	2,003,358	56,193	30,050	(26,143)

Source (2021 data): Tennessee Department of Health, Division of PHA; based on interpolated data from the U.S. Census, Annual Estimates of the Resident Population: April 1, 2010 to July 1, 2021. Accessed at <https://www.tn.gov/content/dam/tn/health/documents/population/TN-Population-by-AgeGrp-Sex-Race-Ethnicity-2021.pdf>

Source (Home Health Patient Data): Tennessee Department of Health, Joint Annual Reports (JARs), 2021. Accessed at <https://apps.health.tn.gov/publicjars/default.aspx>

Attachment 1N-5R
Service Area Utilization

State ID Number	Agency Name	County Licensed	Home Health Patients Served in Service Area Counties			CAGR '19-'21	Infusion Services?	Infusion Visits - State (2021)
			2019	2020	2021			
79456	Accredo Health Group, Inc.	Shelby	0	22	84	N/A	Yes	586
30021	Adoration Home Health/Advanced Home Health	Greene	21	18	23	N/A	No	
19754	Advanced Nursing Solutions	Davidson	N/A	12	105	N/A	Yes	857
26054	Amedisys Home Care	Franklin	1	5	1	0.00%	No	
33103	Amedisys Home Health	Hamilton	5,321	5,929	4,354	-6.47%	Yes	1,994
67024	Amedisys	Overton	955	1,040	740	-8.15%	No	
32102	Amedisys Home Health Care	Hamblen	2,380	2,375	1,494	-14.38%	No	
47202	Amedisys Home Health Care	Knox	8,710	9,570	6,549	-9.07%	No	
75064	Amedisys Home Health Care	Rutherford	0	0	0	N/A	Yes	234
13022	Amedisys Home Health of Tennessee	Claiborne	2,212	2,236	1,287	-16.52%	No	
30041	Ballad Health Homecare	Greene	0	0	0	N/A	No	
05012	Blount Memorial Hospital Home Health Services	Blount	1,082	1,107	1,470	10.76%	No	
33253	CHI Memorial Health at Home	Hamilton	2,123	1,901	2,154	0.48%	No	
01032	Clinch River Home Health	Anderson	431	427	327	-8.79%	Yes	11
71014	Cookeville Regional Home Health	Putnam	45	61	111	35.11%	No	
19734	Coram CVS Specialty Infusion Services	Davidson	11	20	9	-6.47%	Yes	1,055
47442	Coram CVS/Specialty Infusion Services	Knox	78	137	137	20.65%	Yes	1,163
47402	Covenant Homecare	Knox	5,273	5,178	5,456	1.14%	Yes	52
14024	Cumberland River Homecare	Clay	N/A	N/A	N/A	N/A	No	
52024	Deaconess Homecare	Lincoln	0	0	0	N/A	No	
95034	Deaconess Homecare I	Wilson	84	111	112	10.06%	No	
47222	East Tennessee Children's Hospital Home Health	Knox	475	506	541	4.43%	No	
19494	Elk Valley Health Services, LLC	Davidson	52	30	34	-13.21%	No	
47062	Encompass Health Home Health	Knox	2,048	1,762	1,633	-7.27%	No	
33213	Erlanger Continucare Home Health (Continucare I)	Hamilton	1,020	1,172	1,334	9.36%	No	
33383	Erlanger Continucare Home Health (Continucare II)	Hamilton	28	21	28	0.00%	No	
33083	Guardian Home Care, LLC	Hamilton	2,041	0	0	-100.00%	No	
34011	Hancock County Home Health & Hospice Agency	Hancock	79	90	78	-0.42%	No	
33363	Home Care Solutions	Hamilton	734	671	870	5.83%	No	
19544	Home Care Solutions, Inc	Davidson	584	628	737	8.06%	No	
06063	Home Health Care of East Tennessee and Hospice	Bradley	1,399	1,826	2,163	15.63%	No	
01052	Home Option by Harden Health Care	Anderson	49	37	32	-13.24%	No	
47452	Implanted Pump Management, LLC	Knox	15	18	20	10.06%	Yes	218
62052	Intrepid USA Healthcare Services	Monroe	828	709	584	-10.99%	No	
71084	Intrepid USA Healthcare Services	Putnam	70	82	47	-12.43%	No	
89064	Intrepid USA Healthcare Services	Warren	0	0	0	N/A	No	
47042	Kindred at Home	Knox	505	737	1,057	27.92%	No	
33433	Maxim Healthcare Services	Hamilton	123	126	133	2.64%	Yes	17
47432	Maxim Healthcare Services, Inc	Knox	231	280	270	5.34%	No	
33033	NHC Homecare	Hamilton	775	855	615	-7.42%	No	
47012	NHC Homecare	Knox	1,201	1,246	717	-15.80%	No	
54043	NHC Homecare	McMinn	479	363	145	-32.86%	No	
75024	NHC Homecare	Rutherford	77	62	80	1.28%	No	
79856	Optum Infusion Services	Shelby	16	9	12	-9.14%	Yes	1,116
19654	Optum Women's and Children's Health, LLC	Davidson	0	4	34	N/A	No	
01062	Patriot Homecare	Anderson	N/A	N/A	91	N/A	No	
19744	Pentec Health	Davidson	162	172	168	1.22%	No	
32132	Premier Support Services, Inc	Hamblen	910	717	776	-5.17%	No	
01042	Professional Case Management of Tennessee	Anderson	379	421	456	6.36%	No	
96030	Professional Home Health Care Agency	Other (Alcom)	0	0	0	N/A	No	
25044	Quality Home Health	Fentress	2,621	3,309	3,612	11.28%	No	
25034	Quality Private Duty Care	Fentress	338	314	264	-7.91%	No	
15032	Smoky Mountain Home Health & Hospice	Cocke	814	876	961	5.69%	No	
16034	Suncrest Home Health	Coffee	85	68	59	-11.46%	No	
45012	Suncrest Home Health	Jefferson	940	817	635	-12.26%	No	
62062	Sweetwater Hospital Home Health	Monroe	665	694	719	2.64%	No	
47092	Tennova Healthcare Home Health	Knox	1,866	1,230	1,198	-13.73%	No	
32122	Univ. of TN Med. Ctr Home Health/Hospice Service	Hamblen	1,115	988	1,026	-2.73%	No	
47132	UTMCK-Home Care Services: Hospice & Home Care	Knox	3,777	4,172	4,964	9.54%	No	
19994	Vanderbilt HC w/Option Care IV Services	Davidson	14	25	25	21.32%	Yes	1,243
94074	Guardian Home Care of Nashville LLC	Williamson	0	1,866	2,646	N/A	No	

Source: Tennessee Department of Health, Joint Annual Reports (JARs), 2021. Accessed at <https://apps.health.tn.gov/publicjars/default.aspx>

Attachment 1N-9-1
Infusion Charge per Visit

State ID Number	Agency Name	Infusion Therapy - Pain Management (Charge Per Visit - Direct Only)	Infusion Therapy - Other (Charge Per Visit - Direct Only)
79456	Accredo Health Group, Inc.	Not Available	Not Available
19754	Advanced Nursing Solutions	Not Available	Not Available
33103	Amedisys Home Health	\$0	\$0
75064	Amedisys Home Health Care	\$0	\$0
01032	Clinch River Home Health	Not Available	Not Available
19734	Coram CVS Specialty Infusion Services	\$90	\$90
47442	Coram CVS/Speciality Infusion Services	Not Available	Not Available
47402	Covenant Homecare	Not Available	Not Available
47452	Implanted Pump Management, LLC	\$150	\$150
79856	Optum Infusion Services	Not Available	Not Available

Source: Tennessee Department of Health, Joint Annual Reports (JARs), 2021. Accessed at <https://apps.health.tn.gov/publicjars/default.aspx>

Attachment 1N-9-2R
Infusion Visits and Hours

State ID Number	Agency Name	County Licensed	2019		2020		2021		CAGR '19-'21	
			Visits	Hours	Visits	Hours	Visits	Hours	Visits	Hours
79456	Accredo Health Group, Inc.	Shelby	79	0	174	0	586	0	95.02%	N/A
19754	Advanced Nursing Solutions	Davidson	N/A	N/A	201	789	857	3,036	N/A	N/A
33103	Amedisys Home Health	Hamilton	0	0	0	0	1,994	0	N/A	N/A
75064	Amedisys Home Health Care	Rutherford	6	0	0	0	234	0	239.12%	N/A
01032	Clinch River Home Health	Anderson	0	0	0	0	11	0	N/A	N/A
19734	Coram CVS Specialty Infusion Services	Davidson	662	1,563	779	2,361	1,055	2,173	16.81%	11.61%
47442	Coram CVS/Speciality Infusion Services	Knox	907	1,987	997	4,677	1,163	2,540	8.64%	8.53%
47402	Covenant Homecare	Knox	0	0	0	0	52	0	N/A	N/A
47452	Implanted Pump Management, LLC	Knox	278	278	315	315	218	218	-7.78%	-7.78%
79856	Optum Infusion Services	Shelby	247	1,235	764	6,504	1,116	2,859	65.32%	32.29%
19994	Vanderbilt HC/Option Care IV Services	Davidson	881	2,328	1,337	3,877	1,243	3,662	12.16%	16.30%
33433	Maxim Healthcare Services	Hamilton	23	36	0	115	17	116	-9.59%	47.70%
Total			3,083	7,427	4,567	18,638	8,546	14,604	40.47%	25.28%

Source: Tennessee Department of Health, Joint Annual Reports (JARs), 2021. Accessed at <https://apps.health.tn.gov/publicjars/default.aspx>

Attachment 1N - Supplemental #1
Service Specific Criteria Questions

1. Item 1N., Project Specific Criteria (Home Health), Item #3

Attachment 1N-3 is noted. However, the following rows appear to contain errors:

- **Marion County**
- **McMinn County**

Please revise and resubmit Attachment 1N-3 (labeled as Attachment 1N-3R).

Response: Paragon was unable to find errors in the data reported for Marion and McMinn Counties in Attachment 1N-3 but is providing the source data in case that is helpful. Below is an explanation of the sourcing of the data for this attachment:

- “Licensed Agencies Serving County” is sourced from the Department of Health Licensure’s list of Home Health Agencies licensed by county for the state of Tennessee. This document lists 25 licensed agencies for Marion County, and 29 licensed agencies for McMinn County. Please see Attachment 10S-1 for the Department of Health Licensure’s list of Home Health Agencies by licensed county, Marion County and McMinn County only.
- “Agencies Reporting Patients Served in 2021” and “Home Health Patients (2021)” are both sourced from the 2021 Joint Annual Reports (JARs). Please see Attachments 10S-2 (Marion County) and 10S-3 (McMinn County) for data as pulled from the “Master File” of Home Health Agency data as available on the Tennessee Department of Health website. According to the 2021 JARs, there are 21 agencies reporting home health visits in Marion County, and 24 agencies reporting home health visits in McMinn County. These attachments also show the sum of those visits, which is 839 for Marion County, and 1,626 for McMinn County. These totals match the totals originally recorded on Attachment 1N-3.
- “Population (2021)” and “Projected Population (2024)” are sourced from the Tennessee Department of Health’s General Health Population Data. This is viewable in Attachment 1N-2 on Paragon’s original application. The figures in that attachment match the figures recorded in Attachment 1N-3.

The remaining columns - “Use Rate / 1,000 (2021),” “Projected HH Capacity (2024),” “Projected HH Need (2024),” and “2024 Need/(Surplus),” are calculations that are dependent on the constants listed above. As all values in the table are accurate - as proven above - and as those calculations for all other counties listed in Attachment 1N-3 were evaluated by the Agency to be accurate while utilizing the same formulas, those data appear accurate, as well.

2. **Item 1N., Project Specific Criteria, County Need Standard (Home Health), Item #4**

It is noted that no letters of support are provided in response to Criterion #4. Does the applicant intend to provide any letters of support identifying instances of the following?

- a) health care providers had difficulty or were unable successfully to refer a patient to a home care organization and/or were dissatisfied with the quality of services provided by existing home care organizations based on Medicare's system Home Health Compare and/or similar data;**
- b) potential patients or providers in the proposed Service Area attempted to find appropriate home health services but were not able to secure such services;**
- c) providers supply an estimate of the potential number of patients that they might refer to the applicant.**

Response: Yes, Paragon intends to provide letters of support evidencing the need for its proposed project. Paragon will provide these letters to the Commission upon receipt. Further, as an existing health care provider that has directly experienced difficulties referring patients to existing, traditional HHAs for infusion therapy, Paragon's own experience is evidence of the need for the proposed project.

LETTER OF INTENT

LETTER OF INTENT

The Publication of Intent is to be published in the *Chattanooga Times Free Press*, the *Fentress Courier* and the *Knoxville News Sentinel*, which are newspapers of general circulation in the 25 Tennessee Counties outlined below, on or before October 15, 2022, for one day.

- (1) The *Chattanooga Times Free Press* is a newspaper of general circulation in the following counties: Bledsoe, Bradley, Hamilton, Marion, Meigs, Rhea and Sequatchie Counties.
- (2) The *Fentress Courier* is a newspaper of general circulation in Fentress County.
- (3) The *Knoxville News Sentinel* is a newspaper of general circulation in the following counties: Anderson, Blount, Campbell, Claiborne, Cocke, Cumberland, Grainger, Hamblen, Jefferson, Knox, Loudon, McMinn, Monroe, Morgan*, Roane, Sevier and Union Counties.

*Under T.C.A. § 68-11-1607(q), Morgan County meets the criteria to be designated as a distressed county and is not subject to Certificate of Need review.

This is to provide official notice to the Health Facilities Commission and all interested parties, in accordance with T.C.A. § 68-11-1601 et seq., and the Rules of the Health Facilities Commission, that CareMax Pharmacy of Loudon, Inc., a proposed home care organization with its principal office to be located at 418 South Gay Street, Suite 203, Knoxville, Tennessee 37902, in Knox County, owned by Paragon Healthcare, Inc. with an ownership type of corporation, intends to file an application for a Certificate of Need for the establishment of a home care organization and the initiation of home health services limited to home infusion and related nursing services for patients of pharmacies owned by Paragon Healthcare, Inc. The estimated project cost is \$156,000.

The applicant seeks licensure by the Board for Licensing Health Care Facilities as a home care organization in the following 25 proposed service area counties: Anderson, Bledsoe, Blount, Bradley, Campbell, Claiborne, Cocke, Cumberland, Fentress, Grainger, Hamblen, Hamilton, Jefferson, Knox, Loudon, Marion, McMinn, Meigs, Monroe, Morgan, Rhea, Roane, Sequatchie, Sevier and Union Counties. Under T.C.A. § 68-11-1607(q), Morgan County meets the criteria to be designated as a distressed county and is not subject to Certificate of Need review.

The anticipated date of filing the application is on or before November 1, 2022.

The contact person for this project is Daniel Carter, who may be reached at Ascendient Healthcare Advisors, Inc., 6320 Quadrangle Drive, Suite 180, Chapel Hill, North Carolina, 27517; (919) 226-1705.



October 7, 2022

danielcarter@ascendient.com

Signature of Contact

Date

Contact's Email Address

ORIGINAL
APPLICATION



State of Tennessee

Health Facilities Commission

502 Deaderick Street, 9th Floor, Nashville, TN 37243

www.tn.gov/hsda

Phone: 615-741-2364

hsda.staff@tn.gov

CERTIFICATE OF NEED APPLICATION

1A. Name of Facility, Agency, or Institution

CareMax Pharmacy of Loudon, Inc.

Name

418 South Gay Street, Suite 203

Street or Route

Knoxville

City

www.paragonhealthcare.com

Website Address

Knox

County

37902

Zip

TN

State

Note: The facility's name and address **must be** the name and address of the project and **must be** consistent with the Publication of Intent.

2A. Contact Person Available for Responses to Questions

Daniel Carter

Name

Ascendient Healthcare Advisors, Inc.

Company Name

6320 Quadrangle Drive, Suite 180

Street or Route

Chapel Hill

City

Consultant

Association with Owner

Vice President

Title

danielcarter@ascendient.com

Email Address

27517

Zip

919.226.1705

Phone Number

NC

State

3A. Proof of Publication

Attach the full page of newspaper in which the notice of intent appeared with the mast and dateline intact or submit a publication affidavit from the newspaper that includes a copy of the publication as proof of the publication of the letter of intent. (Attachment 3A)

Response:

Date LOI was Submitted: October 7, 2022

Date LOI was Published: The LOI was published in newspapers of general circulation that cover each county in the service area between October 12 and 13, 2022. Please see Attachment 3A.

4A. Purpose of Review (Check appropriate box(es) – more than one response may apply)

- X Establish New Health Care Institution
- Addition of a Specialty to an Ambulatory Surgical Treatment Center (ASTC)
- Change in Bed Complement
- X Initiation of Health Care Service as Defined in §TCA 68-11-1607(3) Specify: Home Health limited to infusion services
- Relocation
- Initiation of MRI Service
- MRI Unit Increase
- Satellite Emergency Department
- Addition of ASTC Specialty
- Initiation of Cardiac Catheterization
- Addition of Therapeutic Catheterization
- Establishment/Initiation of a Non-Residential Substitution Based Opioid Treatment Center
- Linear Accelerator Service
- Positron Emission Tomography (PET) Service

Please answer all questions on letter size, white paper, clearly typed and spaced, single sided, in order and sequentially numbered. In answering, please type the question and the response. All questions must be answered. If an item does not apply, please indicate “N/A” (not applicable). Attach appropriate documentation as an Appendix at the end of the application and reference the applicable item Number on the attachment, i.e. Attachment 1A, 2A, etc. The last page of the application should be a completed signed and notarized affidavit.

Response: Please see Attachment 4A for a completed copy of the required HFC Attachment for home health agencies.

5A. Type of Institution (Check all appropriate boxes – more than one response may apply)

- Hospital (Specify): _____
- Ambulatory Surgical Treatment Center (ASTC) – Multi-Specialty
- Ambulatory Surgical Treatment Center (ASTC) – Single Specialty
- X Home Health
- Hospice
- Intellectual Disability Institutional Habilitation Facility (ICF/IID)
- Nursing Home
- Outpatient Diagnostic Center
- Rehabilitation Facility
- Residential Hospice
- Nonresidential Substitution Based Treatment Center of Opiate Addiction

6A. Name of Owner of the Facility, Agency, or Institution

CareMax Pharmacy of Loudon, Inc.

Name

418 South Gay Street, Suite 203

865-540-1002

Street or Route

Knoxville

TN

Phone Number

37902

City

State

Zip

7A. Type of Ownership of Control (Check One)

- Sole Proprietorship
- Partnership
- Limited Partnership
- Corporation (For Profit)
- Corporation (Not-for-Profit)
- Government (State of TN or Political Subdivision)
- Joint Venture
- Limited Liability Company
- Other (Specify): _____

Attach a copy of the partnership agreement, or corporate charter and certificate of corporate existence. Please provide documentation of the active status of the entity from the Tennessee Secretary of State’s website at <https://tnbear.tn.gov/ECommerce/FilingSearch.aspx> . If the proposed owner of the facility is government owned must attach the relevant enabling legislation that established the facility. (Attachment 7A)

Response: Please see Attachment 7A-1 for a copy of the certificate of corporate existence and documentation of the active status of the applicant from the Tennessee Secretary of State’s website.

Describe the existing or proposed ownership structure of the applicant, including an ownership structure organizational chart. Explain the corporate structure and the manner in which all entities of the ownership structure relate to the applicant. As applicable, identify the members of the ownership entity and each member’s percentage of ownership, for those members with 5% ownership (direct or indirect) interest.

Response: Please see Attachment 7A-2 for a copy of the organizational chart, which shows the existing ownership structure and each entity’s relationship to the Applicant. Of note, CareMax Pharmacy of Loudon, Inc. does business as Paragon Infusion and is owned by Pathwrite, Inc., which is owned by Paragon Healthcare, Inc. As such, this application refers to “Paragon” as the applicant in its responses since this is the trade name for the organization. Paragon Healthcare, Inc. is indirectly owned by PHI Parent LLC, which is indirectly owned by PHI Topco LLC. PHI Topco, LLC is owned by other indirect owners as well, none of which hold a 5% or more direct or indirect ownership interest in CareMax Pharmacy of Loudon, Inc.

8A. Name of Management/Operating Entity (If Applicable)

Name

Street or Route	County
City	State
	Zip

Website Address

For new facilities or existing facilities without a current management agreement, attach a copy of a draft management agreement that at least includes the anticipated scope of management services to be provided, the anticipated term of the agreement, and the anticipated management fee payment schedule. For facilities with existing management agreements, attach a copy of the fully executed final contract. (Attachment 8A)

Response: Not applicable. The project will not involve a management/operating entity but will be self-managed by the applicant.

9A. Legal Interest in the Site

Check the appropriate box and submit the following documentation. (Attachment 9A)

The legal interest described below must be valid on the date of the Agency consideration of the Certificate of Need application.

- Ownership (Applicant or applicant's parent company/owner) – Attach a copy of the title/deed.
- Lease (Applicant or applicant's parent company/owner) – Attach a fully executed lease that includes the terms of the lease and the actual lease expense.
- Option to Purchase - Attach a fully executed Option that includes the anticipated purchase price.
- Option to Lease - Attach a fully executed Option that includes the anticipated terms of the Option and anticipated lease expense.
- Other (Specify) _____

Response: Please see Attachment 9A for a copy of the fully executed lease.

10A. Floor Plan

If the facility has multiple floors, submit one page per floor. If more than one page is needed, label each page. (Attachment 10A)

- Patient care rooms (Private or Semi-private)
- Ancillary areas
- Other (Specify)

Response: The proposed project involves providing infusion therapy services in patients' homes (home health); as such, there is no relevant healthcare facility. However, the floor plan for the home health agency office is provided in Attachment 10A.

11A. Public Transportation Route

Describe the relationship of the site to public transportation routes, if any, and to any highway or major road developments in the area. Describe the accessibility of the proposed site to patients/clients. (Attachment 11A)

Response: Not applicable. As discussed in response to Question 10A, the proposed project involves providing infusion therapy services in patients' homes (home health). As such, Paragon will bring the service directly to the patient. Therefore, the home health service itself, not public transportation routes, will ensure accessibility for patients.

12A. Plot Plan

Unless relating to home care organization, briefly describe the following and attach the requested documentation on a letter size sheet of white paper, legibly labeling all requested information. It **must** include:

- Size of site (in acres);
- Location of structure on the site;
- Location of the proposed construction/renovation; and
- Names of streets, roads, or highways that cross or border the site.

(Attachment 12A)

Response: Not applicable. The proposed project involves a home care organization.

13A. Notification Requirements

- TCA §68-11-1607(c)(9)(B) states that "... If an application involves a healthcare facility in which a county or municipality is the lessor of the facility or real property on which it sits, then within ten (10) days of filing the application, the applicant shall notify the chief executive officer of the county or municipality of the filing, by certified mail, return receipt requested." Failure to provide the notifications described above within the required statutory timeframe will result in the voiding of the CON application.

Notification Attached Not Applicable

- TCA §68-11-1607(c)(9)(A) states that "... Within ten (10) days of the filing of an application for a nonresidential substitution based treatment center for opiate addiction with the agency, the applicant shall send a notice to the county mayor of the county in which the facility is proposed to be located, the state representative and senator representing the house district and senate district in which the facility is proposed to be located, and to the mayor of the municipality, if the facility is proposed to be located within the corporate boundaries of the municipality, by certified mail, return receipt requested, informing such officials that an application for a nonresidential substitution based treatment center for opiate addiction has been filed with the agency by the applicant."

Notification Attached Not Applicable

EXECUTIVE SUMMARY**1E. Overview**

Please provide an overview not to exceed **ONE PAGE** (for 1E only) in total explaining each item point below.

- Description: Address the establishment of a health care institution, initiation of health services, and/or bed complement changes.
- Ownership structure
- Service Area
- Existing similar service providers
- Project Cost
- Staffing

Response: Please see the following page.

1E. Overview

- Description: The applicant, CareMax Pharmacy of Loudon, Inc., does business as Paragon Infusion (Paragon). Paragon operates in multiple states, including AL, CO, FL, GA, LA, MO, OK, TN, and TX, providing a variety of pharmacy-related services, including outpatient infusion centers, specialty pharmacy, and home infusion therapy. In Tennessee, Paragon operates two pharmacies, one each in Knoxville and Nashville, and three outpatient infusion centers, one each in Knoxville, Nashville and Hendersonville. Paragon is submitting two concurrent and complementary applications for home health agencies (HHAs), this one based in Knoxville and the other based in Nashville. The proposed project involves the development of a licensed home care organization (HHA) to provide home infusion therapy to patients of Paragon's pharmacies. Currently, Paragon experiences difficulty referring its infusion patients for home health nursing services. While a few HHAs in the state provide home infusions, most do not due to numerous reasons, including a lack of sufficiently trained nursing staff and reimbursement that does not cover the cost of the nursing care. If approved, Paragon proposes to provide home infusion services to its pharmacy patients receiving infusions using specially trained RNs. These infusions include anti-infectives, cardiac medications, nutritional support, immunoglobulin (IG), and specialty medications. Paragon does not and will not provide oncology/chemotherapy infusions in the home.
- Ownership structure: CareMax Pharmacy of Loudon, Inc. is owned by Pathwrite, Inc., which is owned by Paragon Healthcare, Inc., which is owned by PHI Parent, LLC, which is owned by PHI Topco, LLC. As shown on the organizational chart in Attachment 7A-2, PHI Topco, LLC is owned by other indirect owners as well. The applicant, through Paragon Healthcare, Inc. and its related organizations, operates home infusion therapy programs similar to those proposed in this application in multiple states, including AL, CO, GA, and TX, and also operates pharmacies in these states as well as in FL, MO and OK.
- Service Area: The service area for the proposed project includes the following 25 counties in Eastern Tennessee: Anderson, Bledsoe, Blount, Bradley, Campbell, Claiborne, Cocke, Cumberland, Fentress, Grainger, Hamblen, Hamilton, Jefferson, Knox, Loudon, Marion, McMinn, Meigs, Monroe, Rhea, Roane, Sequatchie, Sevier, and Union, as well as CON-exempt Morgan County.
- Existing similar service providers: According to the 2021 Tennessee Joint Annual Reports (JARs), there are 60 HHAs that are licensed to provide home health services in the proposed service area; however, only a small fraction of HHAs provide home infusion therapy. According to the JARs, only 10 HHAs in the service area were reported as providing any type of infusion therapy services. Please see the response to Question 5N for additional discussion on existing service area providers. Additionally, please see Attachment 1N-5 for a detailed list of HHAs who operate in the service area including those who provide home infusion therapy.
- Project Cost: The proposed project will be developed with modest costs, \$156,000, inclusive of lease outlay costs, moveable equipment, legal and administrative/consulting fees, and the CON filing fee.
- Staffing: The proposed project will also require minimal staffing. Based on the total number of projected visits and nursing hours shown in response to Question 6N, Paragon projects to need 1.94 RN FTEs in Year 1 increasing to 2.04 FTEs in Year 2.

2E. Rationale for Approval

A Certificate of Need can only be granted when a project is necessary to provide needed health care in the area to be served, will provide health care that meets appropriate quality standards, and the effects attributed to competition or duplication would be positive for consumers

Provide a brief description not to exceed **ONE PAGE** (for 2E only) of how the project meets the criteria necessary for granting a CON using the data and information points provided in criteria sections that follow.

- Need
- Quality Standards
- Consumer Advantage
 - Choice
 - Improved access/availability to health care service(s)
 - Affordability

Response: Please see the following page.

2E. Rationale for Approval

Need: The need for the proposed project is driven by the lack of existing HHAs that provide home infusion therapy, and, in particular, Paragon's inability to effectively deliver the infusion and related nursing services to its patients who have been prescribed various infusion treatments by their physicians, including anti-infectives, cardiac medications, nutritional support, IG therapy, and specialty medications. With its existing pharmacies in Tennessee, Paragon knows firsthand the difficulty its infusion therapy patients face when attempting to receive infusion services in their homes. While Paragon is able to provide a patient's medications through its pharmacies, and while some patients can receive infusion therapy at Paragon's infusion center in East Tennessee (Knoxville), the majority of Paragon's patients need the ability to receive these specialized medications in the comfort of their homes. For example, many of Paragon's patients have recently been discharged from an acute care setting and are still recovering at home. Others are unable or unwilling to travel to a center for their infusions, particularly when these patients are receiving infusions every few weeks, or even more frequently. While both the obvious choice and Paragon's optimal choice, historically, is to coordinate with existing home health providers to deliver the care, in recent years, it has become clear, for the reasons outlined below, that this is no longer a feasible option for Paragon to furnish its infusion medications in patients' homes. First, existing HHAs often cannot accommodate home infusion patients for financial and staffing reasons. Because traditional HHAs are often not reimbursed for the nursing service associated with administering infusion medications, they are unwilling to serve the patients because the reimbursement from their payor does not cover the cost of care. In addition to financial pressures, many HHAs do not have the nursing resources to provide this specialized care. This has only worsened since the pandemic, which increasingly drove care to the in-home setting. Moreover, most existing HHAs focus on providing traditional home health services—that is, for homebound patients age 65 or older needing shorter visits that can be accommodated by different types and levels of staff. For example, traditional HHAs may have a standard of 5 visits/day for nurses and 6 visits/day for aides. Home infusions must be provided by an RN who typically cannot visit 5 infusion patients per day; thus, HHAs lack the staff necessary to furnish the required nursing care.

Quality Standards: Since its founding, Paragon has been committed to providing high quality care for its patients. Like Paragon's existing HHAs, for the proposed project, Paragon will seek Accreditation Commission for Health Care (ACHC) accreditation—the gold standard for demonstrating quality care for HHAs. When performed by organizations with extensive experience, such as Paragon, in-home infusion therapy is safe and effective. Further, by employing its own RNs specifically trained for home infusions, Paragon will ensure that its patients receive the highest standard of care. Paragon's RNs will have immediate access to a pharmacist or Physician, as needed, and patients have 24/7 telephonic access to a pharmacist. Please see Attachment 5C.

Consumer Advantage:

- **Choice:** The proposed project enhances patient choice by increasing the possible treatment options for existing Paragon pharmacy patients. Many patients who receive medications from Paragon's pharmacies would benefit from home infusion therapy but currently have limited or no such choice available to them.
- **Improved access/availability to health care service(s):** By establishing an HHA dedicated to providing home infusion therapy, Paragon offers new access to home care services for its pharmacy patients. Existing HHAs cannot offer such access to home infusion services.
- **Affordability:** By providing home infusion therapy, Paragon's patients will avoid the significant costs of remaining in or returning to more acute care settings as is, currently, often the case. Further, Paragon's home infusion therapy nursing service can be supported by the cost of the infusion medication, meaning because Paragon can provide home infusion therapy nursing services when existing HHAs cannot. Paragon also plans to offer charity care to patients who lack a payor source or means of payment.

3E. Consent Calendar Justification

Consent Calendar Requested (Attach rationale)

If Consent Calendar is requested, please attach the rationale for an expedited review in terms of Need, Quality Standards, and Consumer Advantage as a written communication to the Agency's Executive Director at the time the application is filed.

X Consent Calendar **NOT** Requested

4E. PROJECT COST CHART

A.	Construction and equipment acquired by purchase:	
1.	Architectural and Engineering Fees	_____
2.	Legal, Administrative (Excluding CON Filing Fee), Consultant Fees	<u>\$125,000</u>
3.	Acquisition of Site	_____
4.	Preparation of Site	_____
5.	Total Construction Costs	_____
6.	Contingency Fund	_____
7.	Fixed Equipment (Not included in Construction Contract)	_____
8.	Moveable Equipment (List all equipment over \$50,000 as separate attachments)	<u>\$4,000</u>
9.	Other (Specify) _____	_____
B.	Acquisition by gift, donation, or lease:	
1.	Facility (inclusive of building and land)	<u>\$24,000*</u>
2.	Building only	_____
3.	Land only	_____
4.	Equipment (Specify) _____	_____
5.	Other (Specify) _____	_____
C.	Financing Costs and Fees:	
1.	Interim Financing	_____
2.	Underwriting Costs	_____
3.	Reserve for One Year's Debt Service	_____
4.	Other (Specify) _____	_____
D.	Estimated Project Cost (A+B+C)	<u>\$153,000</u>
E.	CON Filing Fee	<u>\$3,000</u>
F.	Total Estimated Project Cost (D+E)	TOTAL <u>\$156,000</u>

*Please see Attachment 4E for a comparison of the FMV and lease cost.

GENERAL CRITERIA FOR CERTIFICATE OF NEED

In accordance with TCA §68-11-1609(b), “no Certificate of Need shall be granted unless the action proposed in the application for such Certificate is necessary to provide needed health care in the area to be served, will provide health care that meets appropriate quality standards, and the effect attributed to completion or duplication would be positive for consumers.” In making determinations, the Agency uses as guidelines the goals, objectives, criteria, and standards adopted to guide the agency in issuing certificates of need. Until the agency adopts its own criteria and standards by rule, those in the state health plan apply.

Additional criteria for review are prescribed in Chapter 11 of the Agency Rules, Tennessee Rules and Regulations 01730-11.

The following questions are listed according to the three criteria: (1) Need, (2) the effects attributed to competition or duplication would be positive for consumers (Consumer Advantage), and (3) Quality Standards.

NEED

The responses to this section of the application will help determine whether the project will provide needed health care facilities or services in the area to be served.

- 1N.** Provide responses as an attachment to the applicable criteria and standards for the type of institution or service requested. A word version and pdf version for each reviewable type of institution or service are located at the following website. <https://www.tn.gov/hsda/hsda-criteria-and-standards.html> (Attachment 1N)

Response: Please see Attachment 1N.

- 2N.** Identify the proposed service area and provide justification for its reasonableness. Submit a county level map for the Tennessee portion and counties boarding the state of the service area using the supplemental map, clearly marked, and shaded to reflect the service area as it relates to meeting the requirements for CON criteria and standards that may apply to the project. Please include a discussion of the inclusion of counties in the border states, if applicable. (Attachment 2N)

Response: Please see the map in Attachment 2N with the service area counties shaded (note that CON-exempt Morgan County is shaded orange, in order to denote its exempt status accordingly). No counties in border states are included. In Tennessee, Paragon operates two pharmacies, one each in Knoxville and Nashville, and three outpatient infusion centers, one each in Knoxville, Nashville and Hendersonville. The service area counties are based on the area historically served by Paragon in its two existing pharmacies in Tennessee. While Paragon’s pharmacies have served patients in counties outside the 25 in its proposed service area on occasion, it believes the proposed service area is a reasonable and conservative one for the proposed project. Of note, additional counties that Paragon has historically served – specifically for counties in Middle Tennessee – are addressed in Paragon’s complementary Middle Tennessee CON application being filed concurrently with this application.

Complete the following utilization tables for each county in the service area, if applicable.

Response: Not applicable for historical utilization.

Unit Type: <input type="checkbox"/> Procedures <input type="checkbox"/> Cases <input checked="" type="checkbox"/> Patients <input type="checkbox"/> Other (Specify): _____		
Service Area Counties	Projected Utilization Year 1 (Year= <u>3/2023-2/2024</u>)	% of Total
Anderson	7	3.9%
Bledsoe	1	0.8%
Blount	12	6.9%
Bradley	10	5.6%
Campbell	3	2.0%
Claiborne	3	1.6%
Cocke	3	1.8%
Cumberland	5	3.2%
Fentress	2	0.9%
Grainger	2	1.2%
Hamblen	6	3.3%
Hamilton	33	19.0%
Jefferson	5	2.8%
Knox	42	24.5%
Loudon	5	2.8%
Marion	2	1.4%
McMinn	5	2.7%
Meigs	1	0.6%
Monroe	4	2.4%
Rhea	3	1.7%
Roane	5	2.7%
Sequatchie	1	0.8%
Sevier	9	5.3%
Union	2	1.0%
<i>CON-Reviewable Service Area Counties Subtotal</i>	<i>170</i>	<i>98.9%</i>
Morgan (CON-Exempt)	2	1.1%
Total	172	100%

Note: Totals may not foot due to computer rounding.

Note that Morgan County is a CON-Exempt service area county, hence its differentiation from the counties above.

Projected annual utilization for the proposed project is based on Paragon's experience serving patients through its existing pharmacies in Tennessee. Paragon conservatively assumes that less than one-third of Paragon's total infusion patients in Tennessee (1,022 in annualized 2022) would be served by its proposed HHAs and that,

of these patients, one-half (172 patients) will be served by the proposed Knoxville-based HHA, while the other half will be served by the Nashville-based HHA for which Paragon is filing a complementary application. To project utilization by service area county, Paragon assumes that utilization will be distributed proportionally based on population (e.g., Anderson County is 3.9 percent of the service area population and will account for 3.9 percent of the projected patients).

Historically, Paragon has dispensed infusions for patients from each of these counties through its existing pharmacies. While Paragon strives to work with existing HHAs to provide the infusion therapy to patients in their homes, particularly for patients who are immunocompromised, recently discharged from acute care, and/or for whom infusion in a facility (either inpatient or outpatient) would not be optimal based on their condition or the county in which they live, the growth in the number of patients appropriate for home infusion therapy, combined with the limited number of existing HHAs that offer the service, has made referring patients for home infusion therapy exceptionally difficult. While the projected number of patients represents just a fraction of the total number of infusion patients served by Paragon, for the patients who will be able to receive their infusions through a specially trained registered nurse in the comfort of their home, the impact of the project on these patients will be significant.

3N. A. Describe the demographics of the population to be served by the proposal.

Response: While Paragon proposes to serve all patients needing home infusion therapy regardless of age, most home infusion therapy patients are under 65. Specifically, these patients include those receiving anti-infectives for bacterial or fungal infections; patients with cardiac issues receiving inotropic agents; patients needing nutritional support due to malabsorptive disorders arising from various diseases; patients receiving immunoglobulin for immune deficiencies; and, patients receiving specialty medications for conditions like ulcerative colitis, Crohn's disease, multiple sclerosis, thyroid eye disease, and ALS. While some of these patients may be over 65, most that are in need of the proposed services are under 65. Therefore, Paragon's target population is, generally, the service area population under 65.

As shown in Attachment 3N, the service area population is growing slightly slower than the state's population and has a slightly older population compared to the state as a whole. However, as noted in the table, the target population for this service, chiefly those under age 65, is still projected to comprise over 78 percent of the total population, which, among other factors, supports the projected growth in need for the proposed service.

For additional detail regarding the service area demographic information, please see the response to 3N-B – and Attachment 3N – below.

- B.** Provide the following data for each county in the service area:
- Using current and projected population data from the Department of Health. (www.tn.gov/health/health-program-areas/statistics/health-data/population.html);
 - the most recent enrollee data from the Division of TennCare (<https://www.tn.gov/tenncare/information-statistics/enrollment-data.html>),
 - and US Census Bureau demographic information (<https://www.census.gov/quickfacts/fact/table/US/PST045219>).

Demographic Variable/Geographic Area	Department of Health/Health Statistics							Census Bureau			TennCare		
	Total Population-Current Year ____	Total Population-Projected Year ____	Total Population-% Change	*Target Population-Current Year ____	Target Population-Project Year ____	Target Population-% Change	Target Population Projected Year as % of Total	Median Age	Median Household Income	Person Below Poverty Level	Person Below Poverty Level as % of Total	TennCare Enrollees	TennCare Enrollees as % of Total
County A													
County B, etc.													
Service Area Total													
State of TN Total													

** Target Population is population that project will primarily serve. For example, nursing home, home health agency, and hospice agency projects typically primarily serve the Age 65+ population. Projected Year is defined in select service-specific criteria and standards. If Projected Year is not defined, default should be four years from current year, e.g., if Current Year is 2022, then default Projected Year is 2026.*

Be sure to identify the target population, e.g. Age 65+, the current year and projected year being used.

Response: Please see Attachment 3N.

Please note that to calculate the Median Age, Median Household Income, and Person Below Poverty Level as % of Total of the proposed service area, a weighted average was calculated using county populations as listed on 2020 census information (accessible via <https://data.census.gov/cedsci/>), so as to figure consistent weights.

For the source data used to complete Attachment 3N, please see Attachment 3N-1 (for Tennessee Department of Health Population Data), Attachment 3N-2 (for U.S. Census Data), and Attachment 3N-3 (for the detailed TennCare Enrollment Report for August 2022).

- 4N.** Describe the special needs of the service area population, including health disparities, the accessibility to consumers, particularly those who are uninsured or underinsured, the elderly, women, racial and ethnic minorities, TennCare or Medicaid recipients, and low income groups. Document how the business plans of the facility will take into consideration the special needs of the service area population.

Response: As noted throughout this application, the proposed project is focused on addressing the needs of patients receiving infusion therapy who would be best served in their homes but for whom home infusion services are largely unavailable through existing home health agencies. As an existing pharmacy with experience dispensing infusion medication to patients in Tennessee, Paragon has extensive knowledge of the patients who require the infusion services proposed in this application. In particular, Paragon expects to serve patients with the following special health concerns that would benefit from home infusion therapy:

- Patients requiring anti-infectives. These infusions treat acute and chronic bacterial and fungal infections that may result from any of a number of conditions, including: cellulitis, bone/joint infections, complicated urinary tract infections (UTIs), sepsis, pneumonia, gastrointestinal infections, abscesses, and endocarditis.
- Patients on special cardiac medications. These therapies include inotropic agents, which change the force of the heart's contractions to treat patients with congestive heart failure (CHF) and other cardiac complications.
- Patients who need nutritional support. These include enteral and total parenteral nutrition (TPN) for patients with malabsorptive disorders stemming from acute or chronic disease states.
- Patients receiving immunoglobulin (IG) therapy. This may be delivered via either subcutaneous or intravenous methods and is used for primary and secondary immune deficiency disorders, including conditions such as Kawasaki syndrome, inflammatory demyelinating polyneuropathy, myasthenia gravis (MG), and multifocal motor neuropathy.
- Patients who require specialty medication infusions. These include treatments for:
 - Ulcerative colitis and Crohn's disease: Remicade, Entyvio
 - Multiple sclerosis (MS): Ocrevus and Tysabri
 - Thyroid eye disease: Tepezza
 - Amyotrophic lateral sclerosis (ALS): Radicava

These patients often have few options other than remaining in or returning to the hospital for infusion therapy. While Paragon operates outpatient infusion centers, this option is suboptimal for patients who live at a distance from the facility or who have recently been discharged from an acute care setting; those with cancer or other diseases requiring TPN; and those receiving anti-infectives or IVIG, all patients who are potentially immunocompromised and for whom avoiding facility-based care is vital for their health. Of note, Paragon does not and will not provide home infusions of oncology drugs, including chemotherapy. The cancer patients Paragon treats often require TPN to support their nutrition needs arising as a side effect of their disease or its treatment.

As noted in Attachment 1N, existing HHAs cannot serve many of these patients because their payor does not reimburse sufficiently or, sometimes, at all, for the cost of infusion therapy provided by a home health nurse. Paragon will be able to care for these patients, thereby providing this population access to home infusion services that would otherwise not exist. Beyond this, Paragon also expects to provide 1.7 percent of gross revenue as charity care to patients in need of home infusion services but who lack a funding source.

- 5N.** Describe the existing and approved but unimplemented services of similar healthcare providers in the service area. Include utilization and/or occupancy trends for each of the most recent three years of data available for this type of project. List each provider and its utilization and/or occupancy individually. Inpatient bed projects must include the following data: Admissions or discharges, patient days. Average length of stay, and occupancy. Other projects should use the most appropriate measures, e.g. cases, procedures, visits, admissions, etc. **This does not apply to projects that are solely relocating a service.**

Response: Paragon maintains that there are few true “similar” healthcare providers in the service area. The need for the proposed project is to address issues Paragon has had obtaining home health nursing services for infusion patients of its pharmacies. As such, existing home health providers in the service area are not able to provide the services needed by Paragon’s patients. However, to be responsive to this question, according to the Tennessee Joint Annual Reports, there are 60 home health agencies (HHAs) that are licensed to provide general home health services in the proposed service area. These agencies cared for 53,177 patients in the service area. Data regarding the number of infusion therapy patients served in the service area counties are not provided in the JARs.

Attachment 1N-5 provides the response to the State Health Plan Standards and Criteria, including additional details regarding the last three years of patient data for each of these 60 providers and the CAGR (compound annual growth rate) of patients for each agency over that three-year period. This table also provides information regarding whether each listed agency offers home infusion therapy services, which are categorized as “Pain Management” and “Other” visits in the Joint Annual Reports. Attachment 1N-5 also shows the combined number of “Pain Management” and “Other” visits reported by each agency statewide.

Only a fraction of the listed agencies provide home infusion services. Further, for most of these agencies, infusion services are only a small portion of their total visits. Paragon, in contrast, plans to provide only specialized home health infusion services, specifically targeting its own pharmaceutical patient population in the service area.

Paragon’s home infusion services are distinct from traditional home health services in a number of ways, including that Paragon will serve patients under 65 and, most critically, that Paragon will serve patients that existing HHAs cannot due to payor reimbursement that is often less than the cost of providing nursing

services. Traditional home health agencies employ a staffing model that attempts to maximize the care provided within the reimbursement constraints for home health services. For example, HHAs utilize nurses (RNs and LPNs), physical, occupational and speech therapists, medical social workers and certified nursing assistants (CNAs) to provide the various services required by their patients. In contrast, home infusion requires nursing care provided by registered nurses, which are higher cost than other staff members. While the productivity standard may vary among HHAs, most have different expectations for the various staff members. Nurses and therapists, for example, may provide five visits per day, while CNAs provide six, and social workers only three. As stated previously, home infusion nurses may provide two to three visits on some days, while fewer visits on other days, depending on the type of treatments given; however, they would not be able to provide as many visits as traditional home health nurses on a regular basis. Paragon's nurses may travel farther, on average, than traditional home health nurses; however, because they visit fewer patients, they save travel time and case management (i.e., administration, documentation, coordination) time. While this will allow Paragon to staff its HHA with relatively few nurses, it also means that the different way in which the service is provided is often incompatible with the care delivery model employed by all but the few agencies that offer some type of infusion services. Given these differences, Paragon believes that its proposed project will clearly be distinct from most of the HHAs in the service area, both in the way it serves home health patients and in who its patients are—infusion therapy patients of Paragon's pharmacies.

Two additional providers have approved but unimplemented projects to offer home infusion therapy services. Tristate Infusion and TwelveStone Infusion Support recently filed CON applications with the Agency for home infusion therapy services; both applications were approved.¹ While the core offering of these providers and that of Paragon is similar, the service areas and patient populations proposed by both Tristate and TwelveStone are markedly different than that of Paragon. Specifically, Tristate's proposed service area and Paragon's proposed service area consist of entirely different counties. TwelveStone proposed a service area consisting of all 95 counties in Tennessee (and was approved for 93). However, like Paragon, TwelveStone's projected utilization (see the response to 6N on page 82 of its application) includes only infusion patients of TwelveStone's pharmacies. Because Paragon proposes to serve only patients of pharmacies owned by Paragon Healthcare, Inc., there is no overlap in patient populations between the approved applications and Paragon's projected patients. As such, there will be no negative impact to either Tristate or TwelveStone's approved projects following the approval of Paragon's proposed home infusion therapy services project.

Please see Attachment 1N for a further discussion of the need for the proposed project.

- 6N.** Provide applicable utilization and/or occupancy statistics for your institution services for each of the past three years and the project annual utilization for each of the two years following completion of the project. Additionally, provide the details regarding the methodology used to project utilization. The methodology must include detailed calculations or documentation from referral sources, and identification of all assumptions.

Response: Paragon does not currently operate a home care organization in Tennessee; therefore, it has no historical utilization. Projected utilization is provided below.

Paragon operates two pharmacies in Tennessee, one in Knoxville and one in Nashville. Projected annual utilization for the proposed project is based on Paragon's experience serving patients through those two

¹ Tristate Infusion, LLC – Project Number CN2204-022, filed April 29, 2022, for the “Establishment of a home care organization and the initiation of home health services;” TwelveStone Infusion Support, LLC – Project Number CN2205-025, filed May 31, 2022, for “The Establishment of a new home care organization to initiate and provide home health services to 90 counties limited to infusion nursing services.”

existing pharmacies. As shown in Table 6N-1 below, the number of infusion patients Paragon has served through its pharmacies in Knox and Davidson counties has grown considerably over the past few years. Of note, most of the volume prior to 2022 occurred in the Knoxville pharmacy, because the Nashville pharmacy opened in late 2021.

Table 6N-1: Paragon patients receiving infusion therapy medications from its Tennessee pharmacies (Knoxville and Nashville)

2020	2021	2022 [^]	CAGR*
832	920	1,022	10.8%

[^]Annualized based on eight months of actual 2022 data (681 patients)

*Compound annual growth rate

Of note, the patients included in the table above account only for those residing in one of the counties proposed as part of the service areas in Paragon's complementary applications for home care organizations (Middle and East Tennessee). Approximately 10 percent of Paragon's patients originated from counties outside the proposed service area but have conservatively been excluded from this analysis. Even assuming some of the growth from 2020 to 2021 was rebound volume following the impact of the pandemic, Paragon's patient volume increased by more than 10 percent from 2021 to 2022 (annualized). While a portion of that growth occurred as a result of Paragon opening its second pharmacy in Nashville in late 2021, the majority of the growth was in its existing Knoxville pharmacy, which has been in existence for many years, becoming part of Paragon in 2015. While there may be many factors driving this growth, based on its experience, Paragon believes that the pandemic drove changes in the way healthcare is delivered, particularly for services that could be provided outside a facility, like certain infusion therapy. Given the need to keep healthcare facilities available for the influx of very ill patients, combined with the desire to limit potential exposure, particularly for immunocompromised patients, providers were motivated to provide services outside a facility setting whenever possible. Paragon believes the increase in patients is ultimately a good thing for patients, by delivering care in a comfortable environment, minimizing exposure to other patients, and lowering the cost of care; however, it cannot be effectively implemented without home health agencies that can provide the service.

As a next step, Paragon examined the volume of patients receiving infusions through its pharmacies that would be most effectively served through infusion therapy provided in their homes, but for whom Paragon was unable to find care from a traditional home health agency. These patients include, but are not limited to, patients who need infusions on the same day as discharge from acute care, patients receiving a first dose of a particular medication, patients in rural areas or otherwise at a distance from infusion centers, and other patients who cannot be cared for by traditional HHAs for any number of reasons. This is also described in Attachment 1N. The table below shows this estimated volume for 2020 through 2022.

Table 6N-2: Paragon patients from service area counties appropriate for home infusion therapy for whom care from a traditional HHA was unavailable

2020	2021	2022 [^]	CAGR*
88	90	314	88.7%

[^]Annualized based on eight months of actual 2022 data (209 patients)

*Compound annual growth rate

Table 6N-2 conservatively assumes that less than one-third of Paragon's total 1,022 infusion patients in Tennessee would be served by its proposed East and Middle HHAs. Further, the number and percentage of patients that would benefit from home infusion therapy has grown exponentially as a result of the overall increased use of infusions as a treatment modality, as well as the lack of existing HHAs willing or able to care for those patients. Paragon must seek licensure as a home health agency to effectively serve

these patients. As stated above, Paragon believes the significant growth in patients from 2021 to 2022 may stem, in part, from pandemic conditions shifting patients away from a facility setting. These conditions, the impact of which Paragon expects to continue, made it even more challenging for pharmacies, like Paragon, to find home health agencies willing and/or able to provide the service.

Despite this high historical growth trend, Paragon is conservatively projecting utilization of the proposed service at a much lower rate of growth. Specifically, notwithstanding a historical compound annual growth rate of 89 percent from 2020 to 2022 (shown in Table 6N-2), Paragon projects that its volume of home infusion therapy patients will grow just 10 percent from 2022 to Year 1, which approximates the growth in total infusion patients from 2021 to 2022, and five percent from Year 1 to Year 2, reflecting the potential for slower growth over time.

Table 6N-3: Paragon patients projected to receive home infusion therapy, statewide

Year 1 3/2023-2/2024	Year 2 3/2024-2/2025
344	362

Of note, the number of patients projected in Table 6N-3 above include patients from both the Knox County and Davidson County pharmacies. Because Paragon is filing two complementary applications to develop two home care organizations, one to serve Middle Tennessee and one to serve East Tennessee, it projects that one-half of its projected patients will be served by each agency. While the service area population in Middle Tennessee is slightly larger, the Paragon pharmacy in Nashville opened late in 2021 and is still ramping up its volume; Paragon's Knoxville pharmacy, in contrast, has operated for more than twenty years and became part of Paragon in 2015. Thus, the assumption that half the projected patients will be served by each HHA is based on a continued ramp-up of volume in the Nashville office, due to, among other factors, the larger population size and the overall growth of the population in the service area. Applying these assumptions, the projected home infusion therapy patient volume for the proposed office in Knoxville is shown below.

Table 6N-4: Paragon patients projected to receive home infusion therapy by proposed home care office

Office	Year 1	Year 2
Nashville	172	181
Knoxville	172	181
Total	344	362

As a final step, Paragon projected the number of home infusion therapy nursing visits arising from this patient population. The number of visits per patient can vary widely based on the type of therapy being provided and the patient being treated. For example, patients receiving specialty therapies (e.g., Remicade, Entyvio, Ocrevus, Tysabri, Tepezza, and Radicava) may have 12 visits per year, while acute patients must be visited at least once per week to change their central line dressing. A large percentage of Paragon's patients are receiving intravenous (IV) antibiotics four to five times per month for up to two months or sometimes longer. Generally, this results in a total of approximately eight to 10 treatments. Patients receiving total parenteral nutrition (TPN) receive four to six visits per month, typically lasting for the remainder of their lives. But to remain conservative in its projections, Paragon assumed that the projected patient population would receive eight total visits per patient. The results of these visit projections are shown in Table 6N-5.

Table 6N-5: Paragon projected home infusion therapy visits

	Year 1	Year 2
Knoxville-Patients	172	181
Visits per Patient	8	8
Knoxville-Total Visits	1,376	1,448

While the length of each visit will vary based on the specific therapy being provided and the patients’ needs, the table below provides the estimated number of visits by duration—two hours or less and more than two hours—based on the average data for existing home infusion providers in the state as provided in the 2021 JARs. Of note, not all home health agencies providing infusion therapy reported both hours and visits on their JAR. Those that did not provide such information were therefore excluded from the analysis. Similarly, to estimate hours, Paragon calculated the average number of hours per visit provided by existing home infusion therapy providers in the service area (for those that reported hours) for visits less than two hours and visits greater than two hours, respectively, and applied the average visit length to the number of visits projected below.

Table 6N-6: Paragon projected home infusion therapy visits by time

	Year 1		Year 2	
	Visits	Hours	Visits	Hours
Less than 2 hours	433	426	456	448
Greater than 2 hours	943	2,090	992	2,199
Total	1,376	2,516	1,448	2,647

7N.

<u>CON Number</u>	<u>Project Name</u>	<u>Date Approved</u>	<u>Expiration Date</u>

- Complete the above chart by entering information for each applicable outstanding CON by applicant or share common ownership; and
- Describe the current progress and status of each applicable outstanding CON and how the project relates to them.

Response: Not applicable. Neither the applicant nor an entity with which it shares common ownership has an outstanding CON in Tennessee.

CONSUMER ADVANTAGE ATTRIBUTED TO COMPETITION

The responses to this section of the application helps determine whether the effects attributed to competition or duplication would be positive for consumers within the service area.

1C. List all transfer agreements relevant to the proposed project.

Response: As an existing pharmacy and outpatient infusion center provider in the proposed service area, Paragon has established relationships with acute care providers in the service area that refer patients to Paragon, including the hospital systems in Knox and the surrounding counties (e.g., UT Medical Center, Tennova North Knoxville Medical Center, Tennova Turkey Creek Medical Center, Tennova Jefferson Memorial Hospital, Ft. Loudon Medical Center, Blount Memorial Hospital, and others). In addition to service area inpatient providers, Paragon receives patients in need of infusion services from physician practices and other post-acute care providers in the service area.

Upon approval of the proposed project, Paragon will obtain any necessary transfer agreements with these and other providers to ensure that patients receive timely care in the most appropriate setting.

2C. List all commercial private insurance plans contracted or plan to be contracted by the applicant.

Response: Please see Attachment 2C for a list of payors with which Paragon currently contracts for the services it offers. Paragon expects to contract with these payors at a minimum for the proposed home infusion therapy services, but it may also contract with additional private insurance plans.

3C. Describe the effects of competition and/or duplication of the proposal on the health care system, including the impact upon consumer charges and consumer choice of services.

Response: The proposed project will not have a negative effect on competition and will not result in duplication. As noted in the response to Question 5N, of the 60 Home Health Agencies reported as serving the proposed service area in the 2021 JARs, only 10 provided infusion services. Furthermore, the total patients served by these 10 agencies in 2021 – 10,504 – is only 19.7 percent of the total patients served by all home health agencies in the proposed service area ($10,504 / 53,177 = 19.7\%$). In other words, these 10 providers currently offering infusion services do not have a large patient base in the proposed service area, meaning that the services Paragon proposes are not duplicative.

As an existing pharmacy in Tennessee, Paragon has witnessed firsthand the difficulty many of its infusion therapy patients face when attempting to receive infusion services in their homes, as well as the inability to effectively deliver physician-prescribed infusion treatment and related nursing services to patients. These infusion treatments include anti-infectives, cardiac medications, nutritional support, IG therapy, and specialty medications. While Paragon is able to provide a patient's medications through its pharmacies, and while some patients can receive infusion therapy at Paragon's infusion center in East Tennessee (Knoxville), the majority of Paragon's patients need the ability to receive these specialized medications in the comfort of their homes. For example, many of Paragon's patients have recently been discharged from an acute care setting and are still recovering at home. Others are unable or unwilling to travel to a center for their infusions, particularly when these patients are receiving infusions every few weeks, or even more frequently. While both the obvious choice and Paragon's optimal choice, historically, is to coordinate with existing home health providers to deliver the care, in recent years, it has become clear that this is no longer a feasible option for Paragon to furnish its infusion medications in patients' homes for a variety of reasons. First, existing HHAs are often not reimbursed for the nursing service associated with the administration of infusion medications. In addition, many HHAs do not have the nursing or financial

resources to provide the necessary specialized care—this has only worsened with the COVID-19 pandemic, which highlighted the importance of being able to provide more healthcare services in a patient’s home. Moreover, most existing HHAs focus on providing traditional home health services—that is, for homebound patients age 65 or older needing shorter visits that can be accommodated by different types of staff. For example, traditional HHAs may have a standard of five visits/day for nurses and six visits/day for aides. Home infusions must be provided by an RN who typically cannot visit five infusion patients per day; thus, HHAs lack the staff necessary to furnish the required nursing care. Thus, Paragon’s own experience with its patients and the lack of available home infusion therapy services demonstrate that the proposed project is not duplicative.

The proposed services also create a care choice for consumers that did not previously exist. As mentioned in the responses to 1N, in the absence of access to home infusion services, many patients who receive medications from Paragon’s pharmacies must seek care at an infusion center or in an inpatient setting. This is both cost prohibitive and detrimental to patient care. As is also discussed in the responses to 1N, while Paragon’s first preference will always be to refer patients to traditional HHAs when possible, given the challenges existing home health agencies face in furnishing home infusion services, it is far more feasible and cost effective for Paragon to obtain home health agency licensure to treat its patients at home when existing HHAs are unable to do so.

By establishing a home health agency dedicated to its infusion patients, Paragon would facilitate consumer choice by eliminating the bottleneck of RN availability, expanding the scope of its service offerings, and streamlining the delivery of care for patients who are already being prescribed medications through Paragon’s pharmacies. This more efficient model would, in turn, lead to reduced operating and patient costs.

- 4C.** Discuss the availability of and accessibility to human resources required by the proposal, including clinical leadership and adequate professional staff, as per the State of Tennessee licensing requirements, CMS, and/or accrediting agencies requirements, such as the Joint Commission and Commission on Accreditation of Rehabilitation Facilities.

Response: As noted on its website, Paragon provides infusion services in several states, including Tennessee, and provides home infusion nursing care in other states as permitted by regulations. Like the home health agencies Paragon operates outside of Tennessee, which are ACHC accredited, the proposed project would be accredited by the ACHC. Because of its deep experience operating high quality HHAs, Paragon understands and complies with national accreditation standards for home health agencies providing infusion therapy services. As stated in the response to Standard 6 in Section 1N, Paragon already employs appropriately trained nurses who can deliver infusion therapy services, as well as clinical liaisons (RNs) who may fill the staffing roles needed for the proposed project. Section 8Q shows that Paragon can operate the proposed project with relatively few FTEs, based on the nature of the service being provided and the relatively small number of patients projected to be served. Please see Attachment 4C-1 for the job description for the RNs to provide the nursing service and Attachment 4C-2 for the existing pharmacy license for Paragon’s Knoxville pharmacy.

- 5C.** Document the category of license/certification that is applicable to the project and why. These include, without limitation, regulations concerning clinical leadership, physician supervision, quality assurance policies and programs, utilization review policies and programs, record keeping, clinical staffing requirements, and staff education.

Response: Upon approval of the proposed project, Paragon will seek licensure from The Tennessee Department of Health, Board for Licensing Health Care Facilities as a home care organization providing

home health services. Paragon expects its CON and its license to be limited to infusion therapy services for patients of pharmacies owned by Paragon Healthcare, Inc. Paragon will seek accreditation by the ACHC and will comply with the relevant standards of that organization. As noted previously, Paragon offers home infusion therapy services in other states, and as such, maintains policies and programs to ensure the quality provision of these services. Please see Attachment 5C for examples of the policies that will be used for the proposed project.

6C. See INSTRUCTIONS to assist in completing the following tables.

Not applicable for historical data, as the project proposes a new home care organization.

PROJECTED DATA CHART

Project Only
 Total Facility

Give information for the two (2) years following the completion of this proposal.

Year 3/2023 – 2/2024 Year 3/2024-2/2025

	Year <u>3/2023 – 2/2024</u>	Year <u>3/2024-2/2025</u>
A. Utilization Data		
Specify Unit of Measure (Patients/Visits)	172/1,376	181/1,448
B. Revenue from Services to Patients		
1. Inpatient Services		
2. Outpatient Services	\$306,848	\$322,904
3. Emergency Services		
4. Other Operating Revenue (Specify)		
Gross Operating Revenue	\$306,848	\$322,904
C. Deductions from Gross Operating Revenue		
1. Contractual Adjustments	\$46,027	\$48,436
2. Provision for Charity Care	\$5,216	\$5,489
3. Provisions for Bad Debt	\$20,866	\$21,957
Total Deductions	\$72,109	\$75,882
NET OPERATING REVENUE	\$234,739	\$247,022

7C. Please identify the project's average gross charge, average deduction from operating revenue, and average net charge using information from the Historical and Projected Data Charts of the proposed project.

Project Only Chart

	Previous Year to Most Recent Year Year ____	Most Recent Year Year ____	Year One 3/2023-2/2024	Year Two 3/2024-2/2025	% Change (Current Year to Year 2)
Gross Charge (<i>Gross Operating Revenue/Utilization Data</i>)	NA	NA	\$223.00	\$223.00	0%
Deduction from Revenue (<i>Total Deductions/Utilization Data</i>)	NA	NA	\$52.41	\$52.41	0%
Average Net Charge (<i>Net Operating Revenue/Utilization Data</i>)	NA	NA	\$170.60	\$170.60	0%

8C. Provide the proposed charges for the project and discuss any adjustment to current charges that will result from the implementation of the proposal. Additionally, describe the anticipated revenue from the project and the impact on existing patient charges.

Response: As a proposed new home care organization, there are no current charges that will be adjusted. As such, the proposed project will have no impact on patient charges. Further, as described previously, the licensure of Paragon as a home health agency will allow it to more effectively and efficiently serve its patients with home infusion therapy provided by a nurse. Paragon also projects no increase in charges from Year 1 to Year 2 as it believes the increase in volume will provide sufficient revenue to support the project.

9C. Compare the proposed project charges to those of similar facilities/services in the service area/adjoining services areas, or to proposed charges of recently approved Certificates of Need.

If applicable, compare the proposed charges of the project to the current Medicare allowable fee schedule by common procedure terminology (CPT) code(s).

Response: Please see Attachment 1N-9-1 for a list of the per visit charges per visits for existing home health agencies providing infusion therapy services in the proposed service area. The average of the agencies reporting charges per visit totaled \$60; however, only four agencies in the service area reported values, two of which, Amedisys Home Health (Hamilton County) and Amedisys Home Health Care (Rutherford County), reported charges of \$0. Further, it is unclear from the JAR data whether the infusion therapy visits reported are for services that require a similar type of nursing care, and, thus, the same charges as are described in this application.

Additionally, two recently approved Certificates of Need, CN2204-022 for Tristate Infusion and CN2205-025 for TwelveStone Infusion Support, proposed average charges of \$150 and \$200 per visit, respectively. Paragon's proposed average charge of \$223 per visit is reasonable compared with the averages listed above.

- 10C.** Discuss the project's participation in state and federal revenue programs, including a description of the extent to which Medicare, TennCare/Medicaid, and medically indigent patients will be served by the project. Report the estimated gross operating revenue dollar amount and percentage of project gross operating revenue anticipated by payor classification for the first and second year of the project by completing the table below.

Response: Paragon does not expect to seek certification to serve Medicare or TennCare/Medicaid patients. Some of Paragon's infusion patients may meet Medicare criteria, in which case they will be referred to an existing HHA that will accept them. For Paragon's infusion patients that do not meet the qualifications for Medicare home health services or are otherwise not able to be served by existing HHAs, Paragon will provide the home infusion therapy nursing service, regardless of their payor status. Further, as noted previously, Paragon will serve patients that existing HHAs cannot due to payor reimbursement that is often less than the cost of providing nursing services, if it is covered at all. If Paragon's infusion patients with Medicare and TennCare cannot be served by existing HHAs, Paragon will provide the nursing service but will not bill for it.

**Applicant's Projected Payor Mix
Project Only Chart**

Payor Source	Year		Year 2	
	Gross Operating Revenue	% of Total	Gross Operating Revenue	% of Total
Medicare/Medicare Managed Care		0%		0%
TennCare/Medicaid		0%		0%
Commercial/Other Managed Care	\$251,615.36	82%	\$264,781.28	82%
Self-Pay	\$6,136.96	2%	\$6,458.08	2%
Other (Specify) PBM and Out of Network	\$49,095.68	16%	\$51,664.64	16%
Total*	\$306,848.00	100%	\$322,904.00	100%
Charity Care	\$5,216		\$5,489	

**Needs to match Gross Operating Revenue Year One and Year Two on Projected Data Chart*

QUALITY STANDARDS

- 1Q.** Per PC 1043, Acts of 2016, any receiving a CON after July 1, 2016, must report annually using forms prescribed by the Agency concerning appropriate quality measures. Please attest that the applicant will submit an annual Quality Measure report when due.

Response: The applicant so attests. As an existing provider of pharmacy and outpatient infusion therapy services in Tennessee, Paragon does and will continue to work with any and all regulatory agencies to ensure quality standards are met and reported as required.

- 2Q.** The proposal shall provide health care that meets appropriate quality standards. Please address each of the following questions.

- Does the applicant commit to maintaining the staffing comparable to the staffing chart presented in its CON application?

Response: Yes, Paragon commits to maintaining staffing comparable to the staffing chart presented in this CON application.

- Does the applicant commit to obtaining and maintaining all applicable state licenses in good standing?

Response: Yes, Paragon commits to obtaining and maintaining all applicable state licenses in good standing.

- Does the applicant commit to obtaining and maintaining TennCare and Medicare certification(s), if participation in such programs are indicated in the application?

Response: No, Paragon does not intend to seek TennCare or Medicare certification at this time, as indicated elsewhere in this application.

- 3Q.** Please complete the chart below on accreditation, certification, and licensure plans.

Note: if the applicant does not plan to participate in these type of assessments, explain why since quality healthcare must be demonstrated.

Credential	Agency	Status (Active or Will Apply)	Provider Number or Certification Type
Licensure	<input checked="" type="checkbox"/> Health <input type="checkbox"/> Intellectual & Developmental Disabilities <input type="checkbox"/> Mental Health & Substance Abuse Services	Will Apply	Not applicable.
Certification	<input type="checkbox"/> Medicare <input type="checkbox"/> TennCare/Medicaid <input type="checkbox"/> Other: _____	Will NOT apply	Not applicable.
Accreditation(s)	Accreditation Commission for Health Care, Inc.	Will Apply	Not applicable.

- 4Q.** If checked "TennCare/Medicaid" box, please list all Managed Care Organization's currently or will be contracted.

Response: Not applicable. Paragon will not seek certification for TennCare/Medicaid.

5Q. Do you attest that you will submit a Quality Measure Report annually to verify the license, certification, and/or accreditation status of the applicant, if approved?

Yes No

6Q. For an existing healthcare institution applying for a CON:

- Has it maintained substantial compliance with applicable federal and state regulation for the three years prior to the CON application. In the event of non-compliance, the nature of non-compliance and corrective action should be discussed to include any of the following: suspension of admissions, civil monetary penalties, notice of 23-day or 90-day termination proceedings from Medicare/Medicaid/TennCare, revocation/denial of accreditation, or other similar actions and what measures the applicant has or will put into place to avoid similar findings in the future.
- Has the entity been decertified within the prior three years? If yes, please explain in detail. (This provision shall not apply if a new, unrelated owner applies for a CON related to a previously decertified facility.)

Response: Not applicable. Paragon is not an existing home health agency in Tennessee, and its related agencies in other states maintained compliance during the last three years.

7Q. Respond to all of the following and for such occurrences, identify, explain, and provide documentation if occurred in last five (5) years.

Has any of the following:

- Any person(s) or entity with more than 5% ownership (direct or indirect) in the applicant (to include any entity in the chain of ownership for applicant);
- Any entity in which any person(s) or entity with more than 5% ownership (direct or indirect) in the applicant (to include any entity in the chain of ownership for applicant) has an ownership interest of more than 5%; and/or

Been subject to any of the following:

- Final Order or Judgement in a state licensure action;
- Criminal fines in cases involving a Federal or State health care offense;
- Civil monetary penalties in cases involving a Federal or State health care offense;
- Administrative monetary penalties in cases involving a Federal or State health care offense;
- Agreement to pay civil or administrative monetary penalties to the federal government or any state in cases involving claims related to the provision of health care items and services;
- Suspension or termination of participation in Medicare or TennCare/Medicaid programs; and/or
- Is presently subject of/to an investigation, or party in any regulatory or criminal action of which you are aware.

Response: No such instances have occurred in the last five years.

8Q. Provide the project staffing for the project in Year 1 and compare to the current staffing for the most recent 12-month period, as appropriate. This can be reported using full-time equivalent (FTEs) positions for these positions.

Response: Please see the table below for the projected FTEs. While the length of a home care visit for infusion therapy will vary based on the therapy provided (some days will allow only one visit, and some will allow multiple visits), based on the 2,516 nursing hours projected in Year 1, Paragon believes that the projected FTEs will be sufficient for the proposed service.

Position Classification	Existing FTEs NA	Projected FTEs Year 1
A. Direct Patient Care Positions		
RN		1.94
Total Direct Patient Care Positions		1.94

B. Non-Patient Care Positions		
<i>Position 1</i>		
<i>Position 2</i>		
<i>Position "etc."</i>		
Total Non-Patient Care Positions		
Total Employees (A+B)		
C. Contractual Staff		
Total Staff (A+B+C)		1.94

DEVELOPMENT SCHEDULE

TCA §68-11-1609(c) provides that activity authorized by a Certificate of Need is valid for a period not to exceed three (3) years (for hospital and nursing home projects) or two (2) years (for all other projects) from the date of its issuance and after such time authorization expires; provided, that the Agency may, in granting the Certificate of Need, allow longer periods of validity for Certificate of Need for good cause shown. Subsequent to granting the Certificate of Need, the Agency may extend a Certificate of Need for a period upon application and good cause shown, accompanied by a non-refundable reasonable filing fee, as prescribed by rule. A certificate of Need authorization which has been extended shall expire at the end of the extended time period. The decision whether to grant an extension is within the sole discretion of the Agency, and is not subject to review, reconsideration, or appeal.

- Complete the Project Completion Forecast Chart below. If the project will be completed in multiple phases, please identify the anticipated completion date for each phase.
- If the CON is granted and the project cannot be completed within the standard completion time period (3 years for hospital and nursing home projects and 2 years for all others), please document why an extended period should be approved and document the “good cause” for such an extension.

PROJECT COMPLETION FORECAST CHART

Assuming the Certificate of Need (CON) approval becomes the final HSDA action on the date listed in Item 1 below, indicate the number of days from the HSDA decision date to each phase of the completion forecast.

Phase	Days Required	Anticipated Date (Month/Year)
1. Initial HSDA Decision Date	NA	December 2022
2. Building Construction Commenced	NA	NA
3. Construction 100% Complete (Approval for Occupancy)	NA	NA
4. Issuance of License	60	February 2023
5. Issuance of Service	30	March 2023
6. Final Project Report Form Submitted (Form HR0055)	90	June 2023

Note: If litigation occurs, the completion forecast will be adjusted at the time of the final determination to reflect the actual issue date.

AFFIDAVIT

STATE OF North Carolina

COUNTY OF Durham

Daniel Carter, being first duly sworn, says that he/she is the applicant named in this application or his/her/its lawful agent, that this project will be completed in accordance with the application, that the applicant has read the directions to this application, the Rules of the Health Facilities Commission, and TCA §68-11-1601, *et seq.*, and that the responses to this application or any other questions deemed appropriate by the Health Services and Development Agency are true and complete.

D. Carter, Consultant
SIGNATURE/TITLE

Sworn to and subscribed before me this 27th day of October, 2022 a Notary
(Month) (Year)

Public in and for the County/State of Durham, NC.

Wendolyn Filmore Mitchell
NOTARY PUBLIC

My commission expires 06/10, 2025
(Month/Day) (Year)



INDEX OF ATTACHMENTS

- Attachment 3A:** Proof of Publication
- Attachment 4A:** HFC Home Health Agency Attachment
- Attachment 7A-1:** Secretary of State Documentation
- Attachment 7A-2:** Organizational Chart
- Attachment 9A:** Lease Agreement
- Attachment 10A:** Floor Plan
- Attachment 4E:** Fair Market Value Comparison
- Attachment 1N:** Project Specific Criteria and Standards
- Attachment 1N-2:** Current and Projected Population Data
- Attachment 1N-3:** Projected Home Health Need
- Attachment 1N-5:** Service Area Utilization
- Attachment 1N-9-1:** Infusion Charge per Visit
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- Attachment 2N:** County Map
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- Attachment 2C:** Payor List
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Attachment 3A
Proof of Publication

Chattanooga Free Times Press

Newspaper of General Circulation for the following counties: Bledsoe, Bradley, Hamilton, Marion, Meigs, Rhea, Sequatchie



Account #: AP102557
Company #: BASS BERRY & SIMS
Ad number #: 245622
PO #:
Note:

AFFIDAVIT • STATE OF TENNESSEE • HAMILTON COUNTY

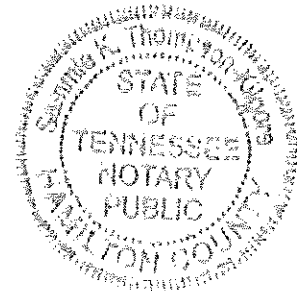
Before me personally appeared Scott Embry, who being duly sworn that he is the Legal Sales Representative of the CHATTANOOGA TIMES FREE PRESS, and that the Legal Ad of which the attached is a true copy, has been published in the above named newspaper and on the corresponding newspaper website on the following dates, to-wit:

TFP Times Free Press 10/13/22; TFP TimesFreePress.com 10/13/22

And that there is due or has been paid the CHATTANOOGA TIMES FREE PRESS for publication the sum of \$317.20. (Includes \$10.00 Affidavit Charge).

Sworn to and subscribed before me this date: 13th day of October, 2022

My Commission Expires 02/28/2023



Chattanooga
Times Free Press

400 EAST 11TH ST
CHATTANOOGA, TN 37403

NOTIFICATION OF INTENT TO APPLY FOR A CERTIFICATE OF NEED

This is to provide official notice to the Health Facilities Commission and all interested parties, in accordance with T.C.A. § 68-11-1601 et seq., and the Rules of the Health Facilities Commission, that CareMax Pharmacy of Loudon, Inc., a proposed home care organization with its principal office to be located at 418 South Gay Street, Suite 203, Knoxville, Tennessee 37902, in Knox County, owned by Paragon Healthcare, Inc. with an ownership type of corporation, intends to file an application for a Certificate of Need for the establishment of a home care organization and the initiation of home health services limited to home infusion and related nursing services for patients of pharmacies owned by Paragon Healthcare, Inc. The estimated project cost is \$156,000.

The applicant seeks licensure by the Board for Licensing Health Care Facilities as a home care organization in the following 25 proposed service area counties: Anderson, Bledsoe, Blount, Bradley, Campbell, Claiborne, Cocke, Cumberland, Fentress, Grainger, Hamblen, Hamilton, Jefferson, Knox, Loudon, Marion, McMinn, Meigs, Monroe, Morgan, Rhea, Roane, Sequatchie, Sevier and Union Counties. Under T.C.A. § 68-11-1607(q), Morgan County meets the criteria to be designated as a distressed county and is not subject to Certificate of Need review.

The anticipated date of filing the application is on or before November 1, 2022.

The contact person for this project is Daniel Carter, who may be reached at Ascendent Healthcare Advisors, Inc., 6320 Quadrangle Drive, Suite 180, Chapel Hill, North Carolina, 27517; (919) 226-1705.

Upon written request by interested parties, a local Fact-Finding public hearing shall be conducted. Written requests for a hearing should be sent to:

Health Facilities Commission
Andrew Jackson Building, 9th Floor
502 Deaderick Street
Nashville, TN 37243

Pursuant to T.C.A. § 68-11-1607(c)(1), (A) Any healthcare institution wishing to oppose a Certificate of Need application must file a written notice with the Health Facilities Commission no later than fifteen (15) days before the regularly scheduled Health Facilities Commission meeting at which the application is originally scheduled; and (B) Any other person wishing to oppose the application may file a written objection with the Health Facilities Commission at or prior to the consideration of the application by the Commission, or may appear in person to express opposition.

Fentress Courier

Newspaper of General Circulation for Fentress
County

Notice of Intent - Caremax Pharmacy of Loudon

STATE OF TENNESSEE
FENTRESS COUNTY

The undersigned - Adam Johnson, Editor and
Publisher of the Fentress Courier, a newspaper published weekly in Jamestown, Tennessee
certifies that the attached notice was published in print and online at www.fentresscouriernews.com
and www.publicnoticeads.com during the duration of the run dates listed. This publication fully
complies with Tennessee Code Annotated 1-3-120. The attached notice was published for 1
consecutive weeks on the dates of 10-12-2022
_____ , and _____

Sworn to and subscribed before me this 13th day of October,
2022

[Signature]

Laura Julia King
Notary Public



My commission expires 05/23/2026

NOTICE
The **Fentress County Commission** will meet on **Monday October 17, 2022** at 6:00 PM. The meeting will be held at the Historic Fentress County Courthouse in the courtroom.

NOTICE
The **Fentress County Building Committee** will meet on **Wednesday October 19, 2022** at 4:30 PM. The meeting will be held at the Historic Fentress County Courthouse in the ECD conference room.

NOTICE TO CREDITORS
(As required by TCA 30-2-306) **Docket No. P-22-76**

Notice is hereby given that on the **26th day of September, 2022**, Letters Testamentary (or of Administration, as the case may be) in respect of the Estate of **FRANKLINDEE BERTRAM**, deceased, who died the **5th day of September, 2022**, were issued to the undersigned by the Probate and Family Court of Fentress County, Tennessee.

All persons, resident and nonresident, having claims, matured and unmatured, against the Estate are required to file the same with the Clerk & Master of the above-named Court on or before the earlier of the dates prescribed in (1) or (2), otherwise their claims will be forever barred:

(1)(A) Four (4) months from the date of the first publication (or posting, as the case may be) of this notice if the creditor received an actual copy of this notice to creditors at least sixty (60) days before the date that is four (4) months from the date of the first publication (or posting); or

(B) Sixty (60) days from the date the creditor received an actual copy of the notice to creditors if the creditor received the copy of the notice less than sixty (60) days prior to the date that is four (4) months from the date of first publication (or posting) as described in (1) (A); or

(2) Twelve (12) months from the decedent's date of death. This **27th day of September, 2022**.

Victoria Ipock
Personal Representative,
Estate of James Ruben Dishman
PO Box 924
Jamestown, TN 38556

Janet Ruby
Personal Representative

Justine Upchurch
Personal Representative

Evan Wright

Attorney for the Estate Wright & Wright, LLP
420 W. Main St.
Livinston, TN 38570
(931) 823-4182
info@wrightwrightlaw.com

Linda Smith
Clerk & Master
140 Justice Ctr. Dr., Ste. 110
Jamestown, TN 38556

NOTICE TO CREDITORS
(As required by TCA 30-2-306) **Docket No. P-22-74**

Notice is hereby given that on the **27th day of September, 2022**, Letters Testamentary (or of Administration, as the case may be) in respect of the Estate of **JAMES RUBEN DISHMAN**, deceased, who died the **12th day of April, 2022**, were issued to the undersigned by the Probate and Family Court of Fentress County, Tennessee.

All persons, resident and nonresident, having claims, matured and unmatured, against the Estate are required to file the same with the Clerk & Master of the above-named Court on or before the earlier of the dates prescribed in (1) or (2), otherwise their claims will be forever barred:

(1)(A) Four (4) months from the date of the first publication (or posting, as the case may be) of this notice if the creditor received an actual copy of this notice to creditors at least sixty (60) days before the date that is four (4) months from the date of the first publication (or posting); or

(B) Sixty (60) days from the date the creditor received an actual copy of the notice to creditors if the creditor received the copy of the notice less than sixty (60) days prior to the date that is four (4) months from the date of first publication (or posting) as described in (1) (A); or

(2) Twelve (12) months from the decedent's date of death.

This **27th day of September, 2022**.

Victoria Ipock
Personal Representative,
Estate of James Ruben Dishman
PO Box 924
Jamestown, TN 38556

Linda Smith
Clerk & Master
140 Justice Ctr. Dr., Ste. 110
Jamestown, TN 38556
(10/05 - 10/12; 2TP)

LAND SALE NOTICE

IN THE CHANCERY COURT FOR FENTRESS COUNTY, TENNESSEE PROBATE DIVISION

IN RE: ESTATE OF JERRY BRUCE BEATY

CASE NO. P-21-52

On the 24th day of September, 2022, I did, by Order of the Chancery Court, on the premises of the property located at 930 Gwinn Branch Road, Jamestown, Tennessee 38556, sell to the highest and best bidder the below-described property. Said bid was raised ten (10%) percent within the ten day period following the sale. Therefore, I WILL ON FRIDAY, OCTOBER 21, 2022, AT 10 A.M. CENTRAL STANDARD TIME AT THE FRONT DOOR OF THE FENTRESS COUNTY JUSTICE CENTER LOCATED AT 140 JUSTICE CENTER DRIVE, JAMESTOWN, TENNESSEE 38556, again sell to the highest and best bidder the following described tract of land:

Lying and being in the Third Civil District of Fentress County, Tennessee, and located on the Gwinn Branch Road in the Glenobey Community, and containing 62.71 acres.

The previous and last conveyance being a deed from Ruth Beaty to Bruce Beaty, recorded June 3, 1985, in Deed Book G-6, Page 275, in the Register's Office of Fentress County, Tennessee.

Map 84, Parcel 11.00

THE ABOVE PARCEL HAS BEEN SURVEYED.

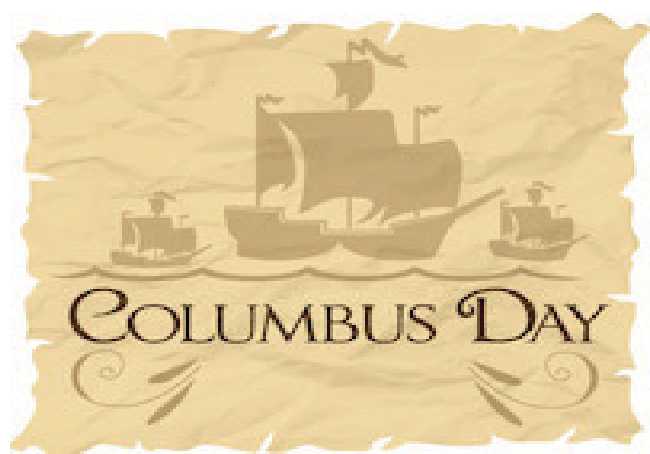
TERMS OF SALE:

Sale will be cash in hand. Twenty (20%) percent down payment due day of sale with balance due on or before the Court's Confirmation of sale. A ten (10%) percent buyer's premium will be added to the purchase price. Announcements made day of sale take precedence over all previous announcements or advertised material.

This 7th day of October, 2022.

SCOTT A. HODGE
Attorney/Administrator
610 E. 1st North Street
Morristown, TN. 37814
423-581-3334

LINDA SMITH,
SPECIAL MASTER
140 Justice Center Drive
Suite 110
Jamestown, TN. 38556
931-879-8615
(10/12; 1TC)



Cadet Emma Laudenslager

Clarkrange JROTC Rifle Team Competes in Nashville

On Friday October 7th, the Clarkrange High School JROTC Rifle Team competed in the Montgomery Bell Academy Fall Rifle Classic in Nashville Tennessee. The Rifle Classic held over a three-day period, was initiated in 1995, it provides a season opening competition for high school teams and is the largest high school sponsored shooting event in the United States. Clarkrange finished 11th Place against 25 teams, and Clarkrange Cadet Emma Laudenslager finished 10th Place out of 107 individual shooters.



Clarkrange JROTC Rifle Team: Clayton Laudenslager, Sydney Beringer, Savannah Romero, and Emma Laudenslager

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Knoxville News Sentinel

Newspaper of General Circulation for the following counties: Anderson, Blount, Campbell, Claiborne, Cocke, Cumberland, Grainger, Hamblen, Jefferson, Knox, Loudon, McMinn, Monroe, Morgan*, Roane, Sevier and Union

*CON-Exempt

Knoxville NEWS SENTINEL

PART OF THE USA TODAY NETWORK

BASS BERRY SIMS PLC
150 THIRD AVENUE SOUTH 2800

NASHVILLE, TN 37201

State of Wisconsin }
County of Brown }

Before me, the undersigned, a Notary Public in and for said county, this day personally came said legal clerk first duly sworn, according to law, says that he/she is a duly authorized representative of *The Knoxville News-Sentinel*, a daily newspaper published at Knoxville, in said county and state, and that the advertisement of

(The Above-Referenced)

of which the annexed is a copy, was published in said paper in the issues dated:

10/13/2022

and that the statement of account herewith is correct to the best of his/her knowledge, information, and belief

Dana Kanitz
Legal Clerk

Subscribed and sworn to before me this October 14 2022

Amy Kokott
Notary Public

10/30/2025
My commission expires

Publication Cost: \$241.72
Ad No: 0005444512
Customer No: 1314730

of Affidavits: 1
This is not an invoice

AMY KOKOTT
Notary Public
State of Wisconsin

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Attachment 4A
HFC Attachment for
Home Health Agencies

Attachment - Home Care Organizations

Home Health Agency, Hospice Agency (excluding Residential Hospice), identify the following by checking all that apply:

	Existing Licensed County	Parent Office County	Proposed Licensed County		Existing Licensed County	Parent Office County	Proposed Licensed County
Anderson	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Lauderdale	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bedford	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Lawrence	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Benton	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Lewis	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bledsoe	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Lincoln	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Blount	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Loudon	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Bradley	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	McMinn	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Campbell	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	McNairy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cannon	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Macon	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Carroll	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Madison	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Carter	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marion	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Cheatham	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Marshall	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chester	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mauzy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Claiborne	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Meigs	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Clay	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Monroe	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Cocke	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Montgomery	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coffee	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Moore	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Crockett	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Morgan	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Cumberland	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Obion	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Davidson	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Overton	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Decatur	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Perry	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DeKalb	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Pickett	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Dickson	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Polk	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Dyer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Putnam	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fayette	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Rhea	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Fentress	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Roane	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Franklin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Robertson	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gibson	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Rutherford	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Giles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Scott	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Grainger	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Sequatchie	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Greene	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sevier	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Grundy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Shelby	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hamblen	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Smith	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hamilton	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Stewart	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hancock	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sullivan	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hardeman	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sumner	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hardin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Tipton	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hawkins	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Trousdale	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Haywood	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unicoi	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Henderson	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Union	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Henry	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Van Buren	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hickman	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Warren	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Houston	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Washington	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Humphreys	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Wayne	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Jackson	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Weakley	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Jefferson	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	White	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Johnson	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Williamson	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Knox	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Wilson	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lake	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				

Attachment 7A-1
Secretary of State
Documentation



Tennessee
Secretary of State
Tre Hargett

Business Services Online > Find and Update a Business Record

Business Information Search

As of October 23, 2022 we have processed all corporate filings received in our office through October 20, 2022 and all annual reports received in our office through October 21, 2022.

Click on the underlined control number of the entity in the search results list to proceed to the detail page. From the detail page you can verify the entity displayed is correct (review addresses and business details) and select from the available entity actions - file an annual report, obtain a certificate of existence, file an amendment, etc.

Search: 1-2 of 2

Search Name:
 Starts With Contains

Control #:

Active Entities Only:
Search

Control #	Entity Type	Name	Name Type	Name Status	Entity Filing Date	Entity Status
000317592	CORP	CAREMAX PHARMACY OF LOUDON INC. TENNESSEE	Entity	Active	09/10/1996	Active
000317592	CORP	CAREMAX PHARMACY OF LOUDON, INC. TENNESSEE	Entity	Inactive - Name Changed	09/10/1996	Active

1-2 of 2

Information about individual business entities can be queried, viewed and printed using this search tool for free.

[Click Here](#) for information on the Business Services Online Search logic.



Secretary of State Tre Hargett

Tre Hargett was elected by the Tennessee General Assembly to serve as Tennessee's 37th secretary of state in 2009 and re-elected in 2013, 2017, and 2021. Secretary Hargett is the chief executive officer of the Department of State with oversight of more than 300 employees. He also serves on 16 boards and commissions, on two of which he is the presiding member. The services and oversight found in the Secretary of State's office reach every department and agency in state government.



About the Office

The Tennessee Secretary of State has oversight of the Department of State. The Secretary of State is one of three Constitutional Officers elected by the General Assembly, in joint session. The Secretary of State is elected to a four-year term. The constitution mandates that it is the secretary's duty to keep a register of the official acts and proceedings of the governor, and, when required, to "lay same, all papers, minutes and vouchers relative thereto, before the General Assembly."

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LINKS

- Tennessee General Assembly
- Bureau of Ethics and Campaign Finance
- Tennessee Code Unannotated



Tre Hargett
Secretary of State

Division of Business Services
Department of State
State of Tennessee
312 Rosa L. Parks AVE, 6th FL
Nashville, TN 37243-1102

C.F.S.
992 DAVIDSON DR STE B
NASHVILLE, TN 37205

October 28, 2022

Request Type: Certificate of Existence/Authorization
Request #: 0501109

Issuance Date: 10/28/2022
Copies Requested: 1

Document Receipt

Receipt #: 007576754 Filing Fee: \$20.00
Payment-Credit Card - State Payment Center - CC #: 3838738138 \$20.00

Regarding: CAREMAX PHARMACY OF LOUDON INC.
Filing Type: For-profit Corporation - Domestic Control #: 317592
Formation/Qualification Date: 09/10/1996 Date Formed: 09/10/1996
Status: Active Formation Locale: TENNESSEE
Duration Term: Perpetual Inactive Date:
Business County: KNOX COUNTY

CERTIFICATE OF EXISTENCE

I, Tre Hargett, Secretary of State of the State of Tennessee, do hereby certify that effective as of the issuance date noted above

CAREMAX PHARMACY OF LOUDON INC.

- * is a Corporation duly incorporated under the law of this State with a date of incorporation and duration as given above;
- * has paid all fees, interest, taxes and penalties owed to this State (as reflected in the records of the Secretary of State and the Department of Revenue) which affect the existence/authorization of the business;
- * has filed the most recent annual report required with this office;
- * has appointed a registered agent and registered office in this State;
- * has not filed Articles of Dissolution or Articles of Termination. A decree of judicial dissolution has not been filed.

Tre Hargett
Secretary of State

Processed By: Cert Web User

Verification #: 056900218

CHARTER**OF**RECEIVED
23 SEP 10 2011 11:12

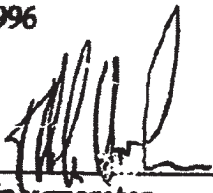
SECRETARY'S OFFICE

CAREMAX PHARMACY OF LOUDON, INC.

The undersigned natural person, having capacity to contract, and acting as the incorporator of a corporation under the Tennessee Business Corporation Act, adopts the following charter for such corporation:

1. The name of the corporation is CareMax Pharmacy of Loudon, Inc.
2. The duration of the corporation is perpetual.
3. The address of the principal office of the corporation in the State of Tennessee shall be CareMax Pharmacy of Loudon, Inc. Suite 202, 702 Grove Street, Loudon, Tennessee 37774.
4. The corporation is for profit.
5. The maximum number of shares which the corporation shall have the authority to issue is One Thousand (1000) shares, without par value.
6. The registered agent for the corporation shall be K. Dale Hooker, Suite 202, 702 Grove Street, Loudon, Tennessee 37774.
7. The initial directors of the corporation shall be Ronnie Baggett, Joe Saffles, K. Dale Hooker, Terry Roark and Betsy Seagraves, and they shall not be liable to the corporation or stockholders for any breach of fiduciary duty.

This 6th day of September, 1996


 Incorporator:
 K. Dale Hooker
 Suite 202, 702 Grove Street
 Loudon, Tennessee 37774

State of Tennessee



Department of State
Corporate Filings
312 Eighth Avenue North
6th Floor, William R. Snodgrass Tower
Nashville, TN 37243

ARTICLES OF AMENDMENT
TO THE CHARTER
(For-Profit)

RECEIVED
STATE OF TENNESSEE
2005 JUL 8 2 AM 9:29
SECRETARY OF STATE

CORPORATE CONTROL NUMBER (IF KNOWN) 0317592

PURSUANT TO THE PROVISIONS OF SECTION 48-20-106 OF THE TENNESSEE BUSINESS CORPORATION ACT, THE UNDERSIGNED CORPORATION ADOPTS THE FOLLOWING ARTICLES OF AMENDMENT TO ITS CHARTER:

1. PLEASE INSERT THE NAME OF THE CORPORATION AS IT APPEARS OF RECORD:
CAREMAX PHARMACY OF LOUDON, INC.

IF CHANGING THE NAME, INSERT THE NEW NAME ON THE LINE BELOW:
CAREMAX, INC.

2. PLEASE MARK THE BLOCK THAT APPLIES:

- AMENDMENT IS TO BE EFFECTIVE WHEN FILED BY THE SECRETARY OF STATE.
- AMENDMENT IS TO BE EFFECTIVE, _____ (MONTH, DAY, YEAR)

(NOT TO BE LATER THAN THE 90TH DAY AFTER THE DATE THIS DOCUMENT IS FILED.) IF NEITHER BLOCK IS CHECKED, THE AMENDMENT WILL BE EFFECTIVE AT THE TIME OF FILING.

3. PLEASE INSERT ANY CHANGES THAT APPLY:

A. PRINCIPAL ADDRESS: _____
STREET ADDRESS

_____ CITY STATE/COUNTY ZIP CODE

B. REGISTERED AGENT: _____

C. REGISTERED ADDRESS: _____
STREET ADDRESS

_____ CITY TN STATE ZIP CODE COUNTY

D. OTHER CHANGES: _____

4. THE CORPORATION IS FOR PROFIT.

5. THE MANNER (IF NOT SET FORTH IN THE AMENDMENT) FOR IMPLEMENTATION OF ANY EXCHANGE, RECLASSIFICATION, OR CANCELLATION OF ISSUED SHARES IS AS FOLLOWS:

6. THE AMENDMENT WAS DULY ADOPTED ON JULY 8, 2005 (MONTH, DAY, YEAR)
BY (Please mark the block that applies):

- THE INCORPORATORS WITHOUT SHAREHOLDER ACTION, AS SUCH WAS NOT REQUIRED.
- THE BOARD OF DIRECTORS WITHOUT SHAREHOLDER APPROVAL, AS SUCH WAS NOT REQUIRED.
- THE SHAREHOLDERS.

PRESIDENT/BOD

SIGNER'S CAPACITY

SIGNATURE

JULY 8, 2005

DATE

JAMES W. MUNSEY

NAME OF SIGNER (TYPED OR PRINTED)

State of Tennessee



Department of State
Corporate Filings
312 Eighth Avenue North
6th Floor, William R. Snodgrass Tower
Nashville, TN 37243

ARTICLES OF AMENDMENT
TO THE CHARTER
(For-Profit)

NOV-6 PM 1:17
SECRETARY OF STATE

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CORPORATE CONTROL NUMBER (IF KNOWN) 0317592

PURSUANT TO THE PROVISIONS OF SECTION 48-20-106 OF THE TENNESSEE BUSINESS CORPORATION ACT, THE UNDERSIGNED CORPORATION ADOPTS THE FOLLOWING ARTICLES OF AMENDMENT TO ITS CHARTER:

1. PLEASE INSERT THE NAME OF THE CORPORATION AS IT APPEARS OF RECORD:
CareMax Inc

IF CHANGING THE NAME, INSERT THE NEW NAME ON THE LINE BELOW:
CareMax Pharmacy of Loudon Inc.

2. PLEASE MARK THE BLOCK THAT APPLIES:

- AMENDMENT IS TO BE EFFECTIVE WHEN FILED BY THE SECRETARY OF STATE.
- AMENDMENT IS TO BE EFFECTIVE, 09/15/2008 (MONTH, DAY, YEAR)

(NOT TO BE LATER THAN THE 90TH DAY AFTER THE DATE THIS DOCUMENT IS FILED.) IF NEITHER BLOCK IS CHECKED, THE AMENDMENT WILL BE EFFECTIVE AT THE TIME OF FILING.

3. PLEASE INSERT ANY CHANGES THAT APPLY:

- A. PRINCIPAL ADDRESS: _____
CITY STATE/COUNTY ZIP CODE
STREET ADDRESS
- B. REGISTERED AGENT: _____
- C. REGISTERED ADDRESS: _____
CITY TN STATE ZIP CODE COUNTY
STREET ADDRESS
- D. OTHER CHANGES: _____

4. THE CORPORATION IS FOR PROFIT.

5. THE MANNER (IF NOT SET FORTH IN THE AMENDMENT) FOR IMPLEMENTATION OF ANY EXCHANGE, RECLASSIFICATION, OR CANCELLATION OF ISSUED SHARES IS AS FOLLOWS:

6. THE AMENDMENT WAS DULY ADOPTED ON 09/15/2008 (MONTH, DAY, YEAR) BY (Please mark the block that applies):

- THE INCORPORATORS WITHOUT SHAREHOLDER ACTION, AS SUCH WAS NOT REQUIRED.
- THE BOARD OF DIRECTORS WITHOUT SHAREHOLDER APPROVAL, AS SUCH WAS NOT REQUIRED.
- THE SHAREHOLDERS.

President
SIGNER'S CAPACITY

James W. Munsey
SIGNATURE


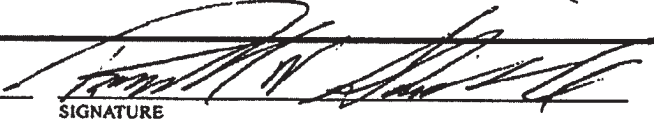
11/04/2008
DATE

James W. Munsey President/Owner
NAME OF SIGNER (TYPED OR PRINTED)

<p style="text-align: center;">State of Tennessee</p> <p style="text-align: center;">Department of State Corporate Filings 312 Eighth Avenue North 6th Floor, William R. Snodgrass Tower Nashville, TN 37243</p>	<p>ARTICLES OF AMENDMENT TO THE CHARTER (For-Profit)</p>	<p style="writing-mode: vertical-rl; transform: rotate(180deg);">RECEIVED STATE OF TENNESSEE SECRETARY OF STATE 2009 SEP 18 AM 9:22</p>																
<p>CORPORATE CONTROL NUMBER (IF KNOWN) _____</p>																		
<p>PURSUANT TO THE PROVISIONS OF SECTION 48-20-106 OF <i>THE TENNESSEE BUSINESS CORPORATION ACT</i>, THE UNDERSIGNED CORPORATION ADOPTS THE FOLLOWING ARTICLES OF AMENDMENT TO ITS CHARTER:</p>																		
<p>1. PLEASE INSERT THE NAME OF THE CORPORATION AS IT APPEARS OF RECORD: <u>Caremax Pharmacy Of Loudon, Inc.</u></p> <p>IF CHANGING THE NAME, INSERT THE NEW NAME ON THE LINE BELOW: <u>N/A</u></p>																		
<p>2. PLEASE MARK THE BLOCK THAT APPLIES:</p> <p><input type="checkbox"/> AMENDMENT IS TO BE EFFECTIVE WHEN FILED BY THE SECRETARY OF STATE.</p> <p><input checked="" type="checkbox"/> AMENDMENT IS TO BE EFFECTIVE, <u>07/26/2009</u> (MONTH, DAY, YEAR)</p> <p>(NOT TO BE LATER THAN THE 90TH DAY AFTER THE DATE THIS DOCUMENT IS FILED.) IF NEITHER BLOCK IS CHECKED, THE AMENDMENT WILL BE EFFECTIVE AT THE TIME OF FILING.</p>																		
<p>3. PLEASE INSERT ANY CHANGES THAT APPLY:</p> <p>A. PRINCIPAL ADDRESS: <u>702 Grove Street, Suite 202</u></p> <table style="width: 100%; border: none;"> <tr> <td style="width: 30%;"><u>Loudon</u></td> <td style="width: 30%;"><u>TN/Loudon</u></td> <td style="width: 30%;"><u>37774-1483</u></td> </tr> <tr> <td style="font-size: small;">CITY</td> <td style="font-size: small;">STATE/COUNTY</td> <td style="font-size: small;">ZIP CODE</td> </tr> </table> <p>B. REGISTERED AGENT: <u>Ronald N. Sherrill, DPh</u></p> <p>C. REGISTERED ADDRESS: <u>3218 Morris Avenue, Suite C</u></p> <table style="width: 100%; border: none;"> <tr> <td style="width: 30%;"><u>Knoxville</u></td> <td style="width: 30%;"><u>TN</u></td> <td style="width: 30%;"><u>37909</u></td> <td style="width: 10%;"></td> <td style="width: 10%;"><u>Knox</u></td> </tr> <tr> <td style="font-size: small;">CITY</td> <td style="font-size: small;">STATE</td> <td style="font-size: small;">ZIP CODE</td> <td style="font-size: small;">CITY</td> <td style="font-size: small;">COUNTY</td> </tr> </table> <p>D. OTHER CHANGES: <u>N/A</u></p>			<u>Loudon</u>	<u>TN/Loudon</u>	<u>37774-1483</u>	CITY	STATE/COUNTY	ZIP CODE	<u>Knoxville</u>	<u>TN</u>	<u>37909</u>		<u>Knox</u>	CITY	STATE	ZIP CODE	CITY	COUNTY
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CITY	STATE	ZIP CODE	CITY	COUNTY														
<p>4. THE CORPORATION IS FOR PROFIT.</p>																		
<p>5. THE MANNER (IF NOT SET FORTH IN THE AMENDMENT) FOR IMPLEMENTATION OF ANY EXCHANGE, RECLASSIFICATION, OR CANCELLATION OF ISSUED SHARES IS AS FOLLOWS:</p>																		
<p>6. THE AMENDMENT WAS DULY ADOPTED ON <u>07/26/2009</u> (MONTH, DAY, YEAR) BY (Please mark the block that applies):</p> <p><input checked="" type="checkbox"/> THE INCORPORATORS WITHOUT SHAREHOLDER ACTION, AS SUCH WAS NOT REQUIRED.</p> <p><input type="checkbox"/> THE BOARD OF DIRECTORS WITHOUT SHAREHOLDER APPROVAL, AS SUCH WAS NOT REQUIRED.</p> <p><input type="checkbox"/> THE SHAREHOLDERS.</p>																		
<p>President SIGNER'S CAPACITY</p>	<p style="text-align: center;">SIGNATURE</p>																	
<p><u>9/15/2009</u> DATE</p>	<p><u>Ronald N. Sherrill, DPh</u> NAME OF SIGNER (TYPED OR PRINTED)</p>																	
<p>SS-4421 (Rev. 10/01) Filing Fee: \$20.00 RDA 1678</p>																		

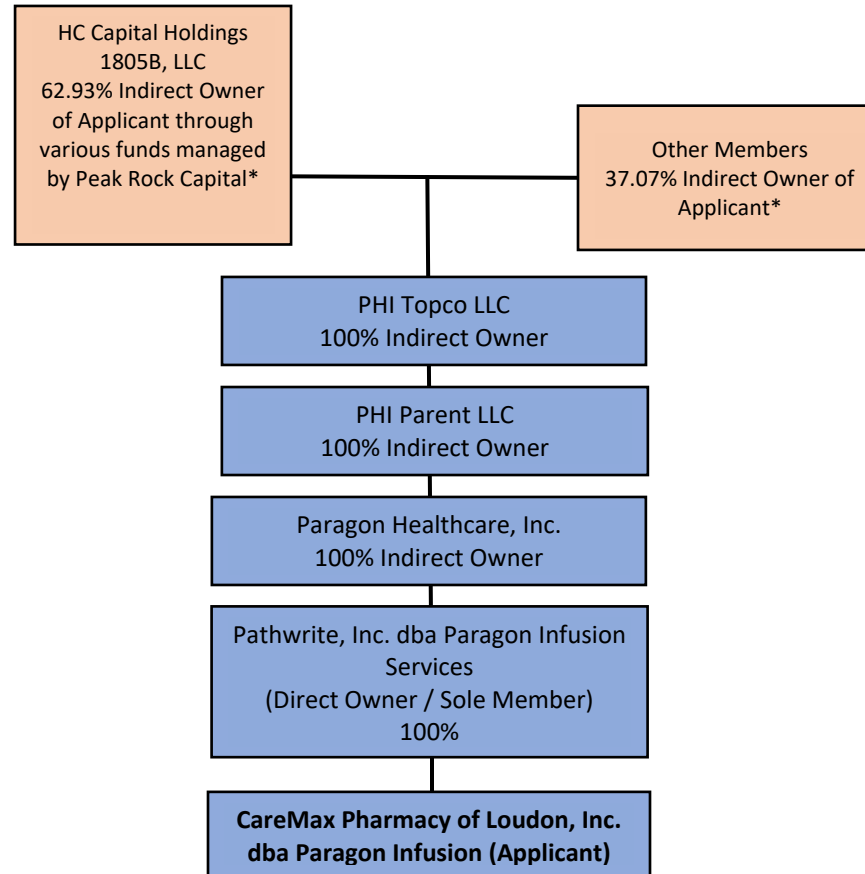
6599.1700

Received by Tennessee Secretary of State Tre Hargett, 12/04/2012, 10:05:24, 7119.1619

 <p>State of Tennessee Department of State Corporate Filings 312 Eighth Avenue North 6th Floor, William R. Snodgrass Tower Nashville, TN 37243</p>	<p>For Office Use Only</p>
<p align="center">ARTICLES OF AMENDMENT TO THE CHARTER (For-Profit)</p>	
<p>CORPORATE CONTROL NUMBER (IF KNOWN) <u>000317592</u></p> <p>PURSUANT TO THE PROVISIONS OF SECTION 48-20-106 OF <i>THE TENNESSEE BUSINESS CORPORATION ACT</i>, THE UNDERSIGNED CORPORATION ADOPTS THE FOLLOWING ARTICLES OF AMENDMENT TO ITS CHARTER:</p>	
<p>1. PLEASE INSERT THE NAME OF THE CORPORATION AS IT APPEARS OF RECORD: <u>Caremax Pharmacy of Loudon INC.</u> IF CHANGING THE NAME, INSERT THE NEW NAME ON THE LINE BELOW: _____</p>	
<p>2. PLEASE MARK THE BLOCK THAT APPLIES:</p> <p><input type="checkbox"/> AMENDMENT IS TO BE EFFECTIVE WHEN FILED BY THE SECRETARY OF STATE. <input checked="" type="checkbox"/> AMENDMENT IS TO BE EFFECTIVE, <u>12-1-2012</u> (MONTH, DAY, YEAR) (NOT TO BE LATER THAN THE 90TH DAY AFTER THE DATE THIS DOCUMENT IS FILED.) IF NEITHER BLOCK IS CHECKED, THE AMENDMENT WILL BE EFFECTIVE AT THE TIME OF FILING</p>	
<p>3. PLEASE INSERT ANY CHANGES THAT APPLY:</p> <p>A. PRINCIPAL ADDRESS: <u>3218 Morris Ave., Ste B</u> <u>Knoxville</u> <u>TN/USA</u> <u>37909-1527</u> <small>CITY STATE/COUNTY ZIP CODE</small></p> <p>B. REGISTERED AGENT: <u>Ronald N. Sherrill, DPH.</u></p> <p>C. REGISTERED ADDRESS: <u>3218 Morris Ave, Ste B</u> <u>Knoxville</u> <u>TN</u> <u>37909-1527</u> <small>CITY STATE ZIP CODE COUNTY</small></p> <p>D. OTHER CHANGES: _____</p>	
<p>4. THE CORPORATION IS FOR PROFIT.</p> <p>5. THE MANNER (IF NOT SET FORTH IN THE AMENDMENT) FOR IMPLEMENTATION OF ANY EXCHANGE, RECLASSIFICATION, OR CANCELLATION OF ISSUED SHARES IS AS FOLLOWS:</p> <p>6. THE AMENDMENT WAS DULY ADOPTED ON <u>12-1-2012</u> (MONTH, DAY, YEAR) BY (Please mark the block that applies):</p> <p><input type="checkbox"/> THE INCORPORATORS WITHOUT SHAREHOLDER ACTION, AS SUCH WAS NOT REQUIRED. <input type="checkbox"/> THE BOARD OF DIRECTORS WITHOUT SHAREHOLDER APPROVAL, AS SUCH WAS NOT REQUIRED. <input checked="" type="checkbox"/> THE SHAREHOLDERS.</p>	
<p>President SIGNER'S CAPACITY</p> <p><u>12-1-2012</u> DATE</p>	 SIGNATURE <p><u>Ronald N. Sherrill</u> NAME OF SIGNER (TYPED OR PRINTED)</p>
<p>SS-4421 (Rev. 10/01) Filing Fee: \$20.00 RDA 1678</p>	

Attachment 7A-2
Organizational Chart

CareMax Pharmacy of Loudon, Inc. dba Paragon Infusion Structure Chart



*No individual holds 5% or more direct or indirect ownership interest in the Applicant.

Attachment 9A
Lease Agreement

LEASE AGREEMENT

This LEASE AGREEMENT (this "Lease") is entered into effective as of the 1st day of January, 2019, between **Phoenix Property Management, LLC** a Tennessee limited liability corporation (hereinafter referred to as "Landlord"), and **Caremax Pharmacy of Loudon, Inc.**, a Tennessee corporation with its principal office located at 17111 Preston Road, Dallas, Texas 75248 (hereinafter referred to as "Tenant").

WITNESSETH:

1. **Demise of Premises.** Landlord hereby leases to Tenant, and Tenant leases and accepts from Landlord the premises commonly known as Suite 203 of "The Phoenix, a Condominium" at 418 South Gay Street, Knoxville, Tennessee 37902 (the "Premises") comprised of approximately (3,334) Square Feet as depicted on the drawing attached hereto as Exhibit A, of Unit 203, as defined in the Declaration Establishing the Phoenix, a Condominium, of record as Instrument No. 20140916-0015721, in the office of the Knox County Register of Deeds, along with any amendments thereto (hereinafter referred to as the "Declaration"), along with all rights of Landlord to the use of the "Common Elements" and/or "Limited Common Elements" and appurtenances as also defined in the Declaration.

2. **Term; Extension Option.** The term of this Lease (the "Term") shall be for five years (5) commencing on April 1, 2020, (the "Commencement Date") and ending at midnight on March 31, 2025 (the "Termination Date"). The Tenant shall have the option to accelerate the termination of the lease at the end of three (3) years provided the Tenant provides Landlord written notice nine (9) months prior to April 1 2023. Provided that Tenant does not exercise the early termination and is not then in default hereunder beyond any applicable notice and cure periods, Tenant shall have the right and option to extend the Term of this Lease for one (1) additional period of five (5) years upon the same terms and conditions as are set forth herein. Minimum Rent during such extension shall continue to increase annually as provided in Section 3 below. Tenant shall exercise its option to extend the Term by giving to Landlord written notice of its election to extend the Term no later than ninety (90) days prior the Termination Date.

3. **First Right of Refusal.** Tenant shall have First Right to Lease, after the execution of the current lease, contiguous space to the Premises in the Building if and when available. Landlord shall notify Tenant of any such space and the terms under which Landlord is prepared to lease to a bona fide 3rd party. Tenant shall within ten (10) business days after receipt of such notice advise Landlord the desire to exercise the rights to lease the available space as an addendum to the Tenant's current lease at the same terms and conditions of the current lease with Base Rental Rate of Thirteen Dollars (\$13) per square foot for the additional space. Tenant shall have the right to use contiguous space at no charge until Landlord has a bona fide 3rd party wishing to rent the contiguous space. If a bona fide 3rd party is identified Tenant will have thirty (30) days to vacate the contiguous space providing Tenant does not wish to exercise Tenant's right of first refusal.

4. **Minimum Rent.** Tenant shall pay to Landlord as Minimum Rent during the first Lease Year monthly rent of Four Thousand Four Hundred Forty-Five Dollars (\$4,445) due on the

first day of each calendar month. Beginning in Lease Year two, Minimum Rent will be increased and adjusted by three percent (3%) per lease year. The term "Lease Year" shall mean the twelve (12) month period beginning on the Commencement Date, and each twelve (12) months period thereafter. All rents shall be paid to Landlord without demand and without set-off at the address of Landlord specified herein, or at such other address as Landlord may from time to time designate to Tenant by notice in the manner hereinafter provided. Rent for any partial month shall be prorated. After the Termination Date, any holding over by Tenant with the consent of Landlord shall be a tenancy from month-to-month at one hundred percent (100%) of the Minimum Rent payable during the immediately preceding Term. Any holding over by Tenant without the consent of Landlord shall be deemed to be a tenancy at will at one hundred and fifty percent (150%) of the Minimum Rent payable during the immediately preceding Term.

5. **Additional Rent.** All charges, costs and expenses which Tenant is required to pay under this Lease other than Minimum Rent, together with all interest and penalties that may accrue thereon in the event of Tenant's failure to pay such amounts, and all damages, costs and expenses which Landlord may incur by reason of any default of Tenant or failure on Tenant's part to comply with the terms of this Lease, shall be additional rent hereunder (hereinafter "Additional Rent"). Unless otherwise stated herein, Tenant shall pay Landlord all Additional Rent upon demand. If Tenant fails to pay the amount of Additional Rent when due, Landlord shall have all the rights and remedies with respect thereto as Landlord has for the nonpayment of Minimum Rent. Tenant shall pay, as Additional Rent, the Operating Expenses described in Exhibit B, attached hereto and incorporated herein by reference.

6. **Use of Premises.** Tenant shall use the Premises solely and exclusively for the operation of a pharmacy and health care services and for no other purposes without Landlord's prior written consent. Tenant shall comply with all rules established by Landlord, and all rules, regulations and laws of any governmental authority with respect to use and occupancy of the Premises. Tenant shall not suffer or allow or permit any vibration, noise, light, odor, activity of patrons or others, or other effect to emanate from the Premises, or from any machine or other installation therein, or otherwise suffer, allow, or permit the same to constitute a nuisance. Upon notice to Tenant from Landlord that any of the foregoing has occurred or is occurring, Tenant shall immediately remove or control the same.

7. **Signs.** Tenant shall not place on the Premises any sign or advertising matter without first obtaining the written consent of Landlord, which consent shall not be unreasonably withheld. Tenant agrees to maintain such signs or advertising matter as approved hereunder in good condition and repair. All signs shall comply with applicable governmental restrictions and the prompt compliance therewith shall be the responsibility of Tenant.

8. **Maintenance, Repair, and Replacement.** Tenant shall keep and maintain in good order, condition and repair (including any replacements and/or restorations that may be reasonably required for that purpose) the interior of the Premises and every part thereof in accordance with the repair and maintenance obligations of a "Unit Owner" pursuant to the Declaration, said provisions being incorporated herein by reference. Tenant shall replace all filters on the heating and air conditioning equipment that exclusively serves the premises on a timely basis and shall do regular maintenance as recommended by the manufacturer's specifications. Upon written request by Landlord, Tenant shall provide Landlord with reasonable proof that it is properly maintaining

the Premises. If Tenant neglects to promptly and adequately commence and complete reasonable maintenance and/or repairs, Landlord may, but shall not be required to, make and complete said repairs and Tenant shall pay the costs thereof to Landlord as Additional Rent upon demand. Tenant shall also allow Landlord reasonable access to the Premises to enable Landlord to perform such maintenance and repairs. Tenant will not place any debris on the roof of the Premises, will not in any manner cut or drive nails into or otherwise puncture the roof of the Premises, and will be responsible for any damage caused to the roof by any acts of Tenant, its agents, employees or contractors. Tenant shall maintain the Premises in a clean, sanitary and safe condition and in accordance with all requirements of law affecting the Premises, and all reasonable rules adopted by Landlord. Tenant shall not burden, over use, use incorrectly, or otherwise damage or diminish any systems or facilities in the Premises. Landlord, as the Unit Owner under the Declaration, shall cause the Tenant to receive the benefit of the repair and maintenance obligations due Unit Owners by the Association, as defined in the Declaration.

9. **Alterations.** Tenant shall not alter any portion of the Premises (except for repairs), and shall not install any fixtures or equipment that affect the Premises without the prior written consent of Landlord, which consent may be withheld or denied in Landlord's sole discretion.

10. **Liens.** If Tenant makes any alterations or improvements to the Premises, Tenant must pay for the same when made. Tenant may not charge the interest of Landlord in the Premises with a mechanic's lien or encumbrance of any kind. If a lien is threatened by any contractor or supplier, or in the event of the filing of a notice of any such lien, Tenant will promptly pay the same or have the lien discharged of record, by bond or otherwise, within ten (10) days from the date of written notice from Landlord. If Tenant fails to pay, discharge or bond such lien within such time, Landlord shall have the right but not the obligation of paying the same or any portion thereof and the amounts so paid, including reasonable attorneys' fees and expenses incurred in connection therewith with interest at the maximum rate permitted by law, which shall be deemed to be Additional Rent due from Tenant to Landlord upon demand. Tenant will indemnify and save Landlord harmless from and against all losses, claims, damages, costs or expenses (including attorneys' fees) incurred by Landlord by reason of any alterations or improvements made by Tenant.

11. **Surrender of Premises.** At the termination of this Lease, Tenant shall deliver the Premises in the same condition as received by it on the Commencement Date (subject to the removals hereinafter required), reasonable wear and tear excepted, and shall surrender all keys for the Premises to Landlord and shall inform Landlord of all combination locks, if any, in the Premises. All alterations, additions, or improvements made on the Premises by the Tenant shall become and be the property of the Landlord upon the termination of this Lease, and shall remain and be surrendered with the Premises as a part thereof upon the termination of this Lease by default or otherwise. During the last thirty (30) days prior to the termination of this Lease, Tenant shall remove all its trade fixtures, and any other installations or improvements required by Landlord and shall repair any damage to the Premises caused by removal of such items. Tenant's obligation to observe or perform this covenant shall survive the expiration or other termination of this Lease. Any items remaining in the Premises at the conclusion of this Lease shall be deemed abandoned for all purposes and shall become the property of Landlord and Landlord may dispose of the same without liability of any nature.

12. **Indemnity.** Each party shall defend indemnify and hold harmless the other party from and against all claims of third parties to the extent arising out of the indemnifying party's gross negligence or willful misconduct in performing or omitting any of its obligations under this Lease or the Declaration.

13. **Notice of Claim** Each party shall promptly notify the other party of any claim, action, proceeding or suit instituted or threatened against the other party. In the event a party is named in any action for damages for which the other party is responsible for indemnification under Section 13, the indemnifying party shall pay all costs and shall provide effective counsel in such litigation or shall pay, at the non-indemnifying party's option, the attorneys' fees and costs incurred in connection with said litigation by the non-indemnifying party.

14. **Insurance.** Tenant shall purchase and maintain, at Tenant's sole expense, commercial general liability insurance properly protecting and indemnifying Landlord and naming Landlord as an additional insured in an amount not less than one million dollars (\$1,000,000), written by one or more reputable insurers licensed to do business in the State of Tennessee and approved by Landlord. Within thirty (30) days after demand therefor by Landlord, Tenant shall provide evidence of Tenant's compliance with this section. In the event Tenant shall fail to procure insurance required hereunder, and fails to maintain the same in force continuously during any Lease Year, Landlord shall be entitled to procure such insurance and charge Tenant such insurance premium expense as Additional Rent.

15. **Property of Tenant.** Tenant's property on the Premises shall be at the sole risk and hazard of Tenant. Landlord shall not be liable or responsible for any loss of or damage to Tenant or Tenant's property, or have any responsibility to insure any personal property or fixtures belonging to Tenant. Tenant may procure its own policy to insure Tenant's property against fire and other casualty. Tenant and Landlord agree to cause any property and casualty policies maintained by either to waive any right of subrogation arising under the policy of either party as against the other party.

16. **Destruction of the Premises.** If the Premises are partially or totally destroyed by fire or any other casualty (as determined by Landlord), then Landlord shall have the option to terminate this Lease by giving Tenant written notice within sixty (60) days after such destruction, and any unearned rent shall be apportioned and returned to Tenant. If Landlord does not elect to cancel this Lease, then the same shall remain in full force and effect and Landlord shall proceed to repair the Premises; provided, however, if Tenant has not been restored to full possession and use of the Premises within six (6) months of the fire or casualty, Tenant may, at its option, terminate this Lease. In the event of such restoration or repair, Landlord shall expend such sums as required to repair or restore the building to the condition it was in immediately prior to the date of the destruction; provided, Landlord shall not be obligated to expend any sums in excess of the insurance proceeds received by Landlord as a result of such damage or destruction. A proportionate part of the rent payable by Tenant, to the extent that such damage or destruction renders the Premises untenantable, shall abate from the date of such damage or destruction until the Premises are repaired.

17. **Rights of Landlord's Lender.** Notwithstanding anything contained herein to the contrary, the obligation of Landlord with respect to repairing or rebuilding the Premises is subject to the prior right of Landlord's lender to receive insurance proceeds as a result of a fire or other

casualty, with any obligation of Landlord to be limited to the extent insurance proceeds are received by Landlord for such repair or rebuilding.

18. **Assignment and Subletting.** Tenant shall not assign, transfer or encumber this Lease, (or change the ownership of or power to vote the majority of the outstanding ownership interests of Tenant whether such change of ownership is by sale, assignment, bequest, inheritance, operation of law or otherwise) without the prior written consent of Landlord. Said consent may be conditioned upon any terms Landlord deems reasonable. Any assignment, notwithstanding the consent of Landlord, shall not in any manner release Tenant herein from its continued liability under this Lease. The acceptance of any rental payments by Landlord from any alleged assignee shall not constitute approval of the assignment of this Lease by Landlord. Neither this Lease, nor any interest therein, shall pass to any trustee or receiver in bankruptcy, nor to any other person or entity, or otherwise by operation of law. The Tenant shall have the right to sublet a portion of the space to an urgent care provider (to be determined) and a food service provider (operating a restaurant and fountain).

19. **Events of Default.** The occurrence given any of the following shall be an Event of Default provided however, if such non-performance cannot be cured within such twenty (20) day period, the tenant may have a longer period that is reasonably necessary to cure the non-performance, so long as tenant initiates a cure within the twenty (20) day period.

a. **Non-payment.** If Tenant shall fail to pay in full any rent payment or other sum payable hereunder for a period of ten (10) days after written notice thereof to tenant.

b. **Non-performance.** If Tenant shall fail to perform any of the terms or conditions of this Lease, other than the payment of money, for a period of twenty (20) days after written notice thereof to Tenant by Landlord;

c. **Insolvency.** If Tenant shall file a voluntary petition in bankruptcy or for any other relief under the Bankruptcy Act, as amended, or under any other insolvency act, law, rule or regulation, state or federal, now or hereafter existing; if Tenant shall apply for, or consent to the appointment of, a receiver or trustee of Tenant, or for all or a substantial part of the property of Tenant; if Tenant shall make any general assignment for the benefit of creditors of Tenant; or If Tenant shall admit the inability of Tenant to pay the debts of Tenant as such mature;

d. **Bankruptcy.** If anyone shall file any involuntary petition in bankruptcy against Tenant or for any other relief under the Bankruptcy Act, as amended, or under any other insolvency act, law, rule or regulation, state or federal, now or hereafter existing; if anyone shall seek the involuntary appointment of a receiver or trustee of Tenant or for all or a substantial part of the property of Tenant; or if anyone shall seek the issuance of attachment, execution or other similar process against any substantial part of the property of Tenant, and the continuation of any of the foregoing for a period of forty five (45) days undismissed, unbonded, or undischarged; or

e. **Abandonment.** If Tenant shall abandon the Premises for a period of ten (10) or more days; or

f. **Transfer.** If this Lease or the estate of Lessee hereunder shall be transferred or passed to or devolve upon any other person, firm, association or corporation, except with Landlord's consent.

g. **Remedies.** Whenever any Event of Default shall have occurred, Landlord may, to the extent permitted by law, take any one of more of the following remedial

h. **Acceleration.** Landlord may, at its option, declare all installments of Minimum Rent for the remainder of this Lease to be immediately due and payable, whereupon the same shall become immediately due and payable, subject to Landlord's obligation to mitigate damages.

i. **Re-entry.** Landlord may enter and take possession of the Premises without terminating this Lease, and sublease the Premises for the account of Tenant, holding Tenant liable for the difference in the rent and other amounts actually paid by the sublessee and the rents and other amounts payable by Tenant hereunder.

j. **Agent.** Landlord may, as Tenant's agent, without terminating this Lease, enter upon and operate the Premises, and Tenant hereby authorizes Landlord to take over and assume the management of the Premises for Tenant, holding Tenant liable for all amounts payable by Tenant hereunder.

k. **Termination.** Landlord may terminate this Lease, exclude Tenant from possession of the Premises, and use its best efforts to lease the same to another for the account of Tenant, holding Tenant liable for all rent and other amounts payable by Tenant hereunder.

l. **Other Remedies.** Landlord may take whatever action is available to Landlord at law or in equity, and in connection with such actions, recover any or all damages to Landlord for Tenant's violation or breach of this Lease.

20. **No Remedy Exclusive.** No remedy herein conferred upon or reserved to Landlord is intended to be exclusive of any other available remedy. No delay or omission by Landlord to exercise any right or power accruing upon any default of Tenant shall impair any such right or power or shall be construed to be a waiver thereof, but any such right and power may be exercised by Landlord at any time, from time to time and as often as may be deemed expedient notwithstanding anything to the contrary contained in this lease, the duty of reasonable mitigation of damages shall be accounted for in any determination of damages to be awarded to the landlord in the event of a Default under this lease by Tenant..

21. **Waiver of Jury Trial.** Tenant hereby waives all rights to a trial by jury in any legal proceeding brought by Landlord arising out of the construction, interpretation, or enforcement of any term or provision of this Lease.

22. **Attorneys' Fees and Expenses; Late Fees.** If either party engages legal counsel for the enforcement of any of the terms of this Lease, whether for suit or other legal services required to secure compliance, then the prevailing party may collect from non prevailing party, upon demand, said legal fees and any other, including, without limitation, court costs, and the fees

and expenses of attorneys and paralegals, court reporters, appraisers, consultants and other experts consulted by such prevailing party. Tenant shall pay Landlord a late fee of Five percent (5%) of any rent payment received more than ten (10) days after the due date thereof. In the event of any litigation among the parties, the prevailing party shall be entitled to recover attorney fees and litigation expenses in addition to any other damages or relief.

23. **Waiver.** Waiver by Landlord of any Event of Default shall not be construed as a waiver of any subsequent or different default. In case of a breach by Tenant, Landlord nevertheless may accept from Tenant any payment or payments hereunder without in any way waiving Landlord's rights hereunder.

24. **Eminent Domain.** If a portion of the Premises shall be taken for public improvements or otherwise under the exercise of the right of eminent domain, and the Premises shall continue to be reasonably suitable for the use which is herein authorized (as determined by Tenant), then the rental herein provided shall be reduced from the date of such taking in direct proportion to the reduction in usefulness of the Premises. If the Premises, or a part thereof, sufficient to render the Premises wholly unfit for the use herein authorized (as determined by Tenant), shall be condemned or acquired in the exercise of the right of eminent domain, either party shall have the option to terminate and cancel this Lease on thirty (30) days' prior written notice to the other party, such notice to be given within sixty (60) days of the date of the taking, and Tenant shall be liable only for rents and other charges accrued and earned to the date of surrender of possession of the Premises to Landlord and for the performance of other obligations maturing prior to said date of termination. Tenant shall not be entitled to participate in or receive any part of the damages or award which may be paid to or awarded Landlord by reason of a taking except where said award shall provide for moving or other reimbursable expenses for Tenant under applicable statute.

25. **Hazardous Substances.** The term "Hazardous Substances" means all hazardous and toxic substances included under or regulated by any local, state or federal law, rule or regulation pertaining to environmental regulation, contamination or cleanup (collectively "Environmental Laws"). Tenant shall keep no Hazardous Substances in or upon the Premises except in compliance with all Environmental Laws. Tenant shall immediately notify Landlord should Tenant become aware of (1) any environmental problem or liability with respect to the Premises, or (2) any lien, action, or notice under any field or delivered under any Environmental Law. Tenant shall, at Tenant's own cost and expense, take all actions as shall be necessary for the cleanup of the Premises, and Landlord shall be responsible for all other costs and expenses of any such clean-up and shall indemnify Tenant therefrom. required by any Environmental Law and arising directly out of Tenant's occupancy of the Premises. All costs, including damages, claims, and expenses (including attorney's fees) which are incurred by Landlord arising out of Tenant's occupancy of the Premises shall be paid by Tenant to Landlord as incurred within ten (10) days after notice from Landlord itemizing the amounts incurred. Tenant shall pay any fines, charges, fees, expenses, costs of cleanup, or response costs arising from any Environmental Law and arising out of Tenant's occupancy of the Premises and shall indemnify and hold Landlord harmless therefrom.

26. **Subordination.** Tenant hereby subordinates all of its interest under this Lease to the lien of any deed of trust or mortgage now or hereafter in force against the real estate or buildings

of which the Premises are a part, provided that the lender or purchaser at foreclosure agrees that it shall not disturb Tenant's possession for so long as Tenant is not in default.

27. **Estoppel Certificate.** Tenant agrees to execute and deliver to Landlord within ten (10) days from date of request such estoppel certificates as may be required by Landlord or any lender of Landlord in connection with this Lease. If Tenant fails or refuses to furnish such certificate within the time provided, it will be conclusively presumed that this Lease is in full force and effect in accordance with its terms and Landlord is not in default.

28. **Landlord's Right of Entry.** Landlord may, on reasonable notice and at a reasonable time, enter the Premises to inspect and examine the same, and to show the same to prospective purchasers or tenants, and to make such repairs, alterations, or additions as Landlord may deem necessary or desirable. If Tenant shall not be personally present to permit an entry into the Premises, in the event of an emergency, Landlord or Landlord's agents may enter the same by a master key, or may forcibly enter same, without rendering Landlord or such agents liable therefor, and without in any manner affecting the obligations of this Lease. Provided, however, Landlord or Landlord's agents shall not access or attempt to access areas of the Premises in which Tenant's inventory of drugs is stored without being accompanied by an authorized agent of Tenant. Tenant shall provide Landlord with a key to the Premises, which Landlord may use in accordance with this Paragraph. Nothing herein contained, however, shall be deemed or construed to impose upon Landlord any responsibility whatsoever for the care, maintenance or repair of the Premises, except as otherwise herein specifically provided.

29. **Quiet Enjoyment.** If the rent is being paid as required and all obligations of Tenant under this Lease are being performed, Tenant shall peacefully occupy and enjoy the Premises so long as this Lease remains in force, subject to the specific provisions of this Lease.

30. **Notices.** Any notice hereunder shall be deposited in the certified mail of the United States of America, return receipt requested, and shall be deemed to have been served on the date of such depositing. All notices shall be addressed to the parties as specified above or at such other address as the parties may from time to time designate in the manner provided in this Section.

31. **Recording.** Either party, upon request of the other, shall join in the execution of a memorandum of this Lease containing such provisions as it deems appropriate for the purpose of recordation.

32. **Amendment.** All amendments to this Lease shall be in writing and executed by the parties or their respective successors in interest.

33. **Integration.** The parties have incorporated in this Lease their entire understanding, and neither has made or relied upon any representations, warranties, promises, covenants, or undertakings other than as expressly set forth herein.

34. **No Partnership.** Landlord is not in any way a partner or joint venturer with Tenant.

35. **Partial Invalidity.** If any provision of this Lease shall be deemed unenforceable, the remainder of this Lease shall not be affected. Each provision of this Lease shall be valid and be enforceable to the fullest extent permitted by law.

36. **Successors.** This Lease shall bind and inure to the benefit of the legal representatives, successors and assigns of each of the parties, except that no assignment or subletting by Tenant without the written consent of Landlord shall vest any right in the assignee or sublessee of Tenant.

37. **Governing Law; Compliance.** The laws of the State of Tennessee shall govern the Lease. Tenant shall at all times abide by applicable laws and regulations related to this Lease.

38. **Forum.** The parties agree that the sole and exclusive forum for any claim, suit or action arising out of or concerning the enforcement, construction, or interpretation of this Lease shall be in the Circuit or Chancery Court for Knox County, Tennessee, or the United States District Court for the Eastern District of Tennessee sitting in Knoxville, Tennessee.

39. **Landlord's Exculpatory Clause.** The term "Landlord" as used in this Lease means only the owner of the leasehold or fee simple interest in the land upon which the Premises are located. In the event of any sale of such land or interest, or assignment of Landlord's rights under this Lease, Landlord shall be and hereby is released of all obligations of Landlord hereunder. It shall be deemed, without further agreement between the parties or their successors in interest, that any successor to Landlord's interest has assumed all obligations of Landlord hereunder. There shall be no personal liability of the owner of any interest in Landlord for any of the obligations of this Lease. Tenant shall look solely to Landlord's equity in the fee simple or leasehold interest in the Premises in the event of a breach of this Lease by Landlord.

IN WITNESS WHEREOF, the parties hereto have executed this Lease as of the day and date first above written.

LANDLORD:



Ronald N Sherrill, President
Phoenix Property Management, LLC

TENANT:

**CAREMAX PHARMACY OF LOUDON,
INC., a
Tennessee Corporation
17111 Preston Rd
Suite 100
Dallas Texas 75248**

By:



Print Name:

Reivan M. Allen

Title:

Pres / CEO

Date:

3/27/2020

EXHIBIT A
DEPICTION OF Unit 203

Attached

EXHIBIT B
OPERATING EXPENSE PROVISIONS

For the purposes of this Lease, the following terms are defined as follows:

A. DEFINITIONS.

1. "Additional Rent": Tenant agrees to pay as "Additional Rent" its pro rata share of certain expenses described below. Tenant's pro-rata share shall be based on the percentage of the square footage of the Premises (3,334) in comparison to the square footage of Unit 201 (7,136), and is stipulated and agreed to be (46.72%). Accordingly, Tenant agrees to pay 46.72%* of:

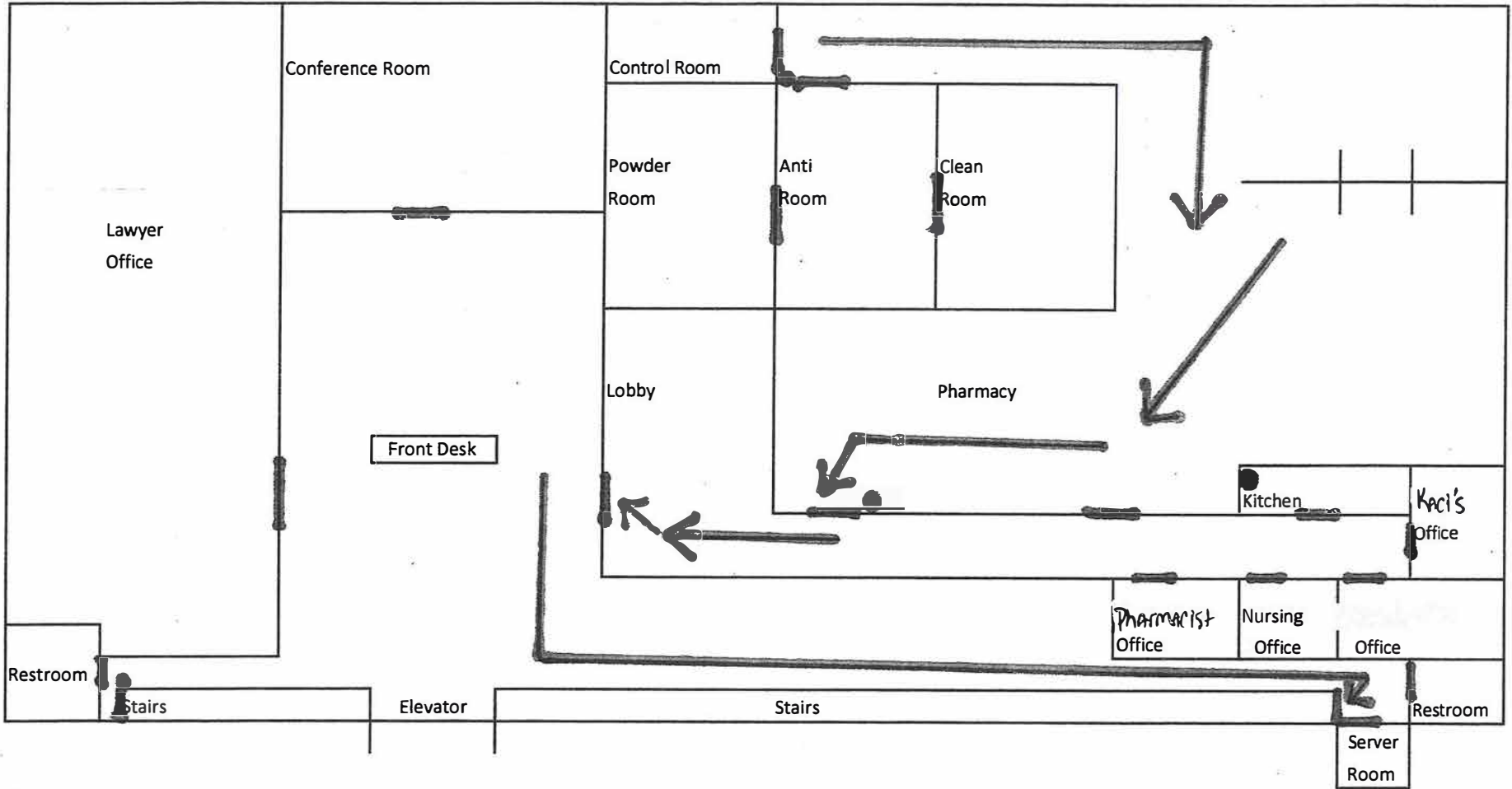
(i) Assessment: The Assessment due the Association for Unit 201 pursuant to the Declaration.

(ii) Insurance: All premiums for all policies of insurance (the "Insurance Premiums") carried by Landlord on Unit 201, or in any way associated with Unit 201.

(iii) Taxes: All ("Taxes") and assessments (special or otherwise) levied, accrued or assessed during Tenant's occupancy against Unit 201, any assessment and taxes based on gross rentals, and other taxes arising out of the use and/or occupancy of the Premises imposed by federal, state or local governmental authority of any other taxing authority having jurisdiction over the Premises (including expenses directly incurred by Landlord in contesting the validity of, in seeking a reduction in, or seeking to prevent an increase in any such tax(es) or assessment(s), but shall exclude franchise, capital stock, estate or inheritance taxes personal in nature to Landlord).

(iv) Utilities: All charges for any utility service to Unit 201, including (without limitation) electricity, gas, water and sewer service (excluding any utilities paid directly by Tenant or billed to tenants separately), rubbish removal, telephone service and any taxes thereon.

Attachment 10A
Floor Plan



■ : DOOR

■ : Fire Extinguisher

■ : Exit Routes

Nursing Office: 10.5ft x 14 ft= 147 ft sq

Pharmacy Evacuation Plan

Attachment 4E
Fair Market Value Comparison

Year	Annual Rent	Additional Costs	Total Annual	Total Month	SF	Rent/SF	Total/SF
4/1/20-3/31/21	\$53,340	\$41,527	\$94,867	\$7,906	3,334	\$16.00	\$28.45
4/1/21-3/31/22	\$54,940	\$42,773	\$97,713	\$8,143	3,334	\$16.48	\$29.31
4/1/22-3/31/23	\$56,588	\$44,056	\$100,644	\$8,387	3,334	\$16.97	\$30.19
4/1/23-3/31/24	\$58,286	\$45,378	\$103,664	\$8,639	3,334	\$17.48	\$31.09
4/1/24-3/31/25	\$60,035	\$46,739	\$106,774	\$8,898	3,334	\$18.01	\$32.03
4/1/25-3/31/26	\$61,836	\$48,141	\$109,977	\$9,165	3,334	\$18.55	\$32.99
4/1/26-3/31/27	\$63,691	\$49,585	\$113,276	\$9,440	3,334	\$19.10	\$33.98

Grey highlighted rows represent historical data

HHA SF	HHA Allocation
147	\$4,437.53
147	\$4,570.66
147	\$4,707.78
147	\$4,849.01
147	\$4,994.48
5-year Average	\$4,711.89
per SF	\$32.05

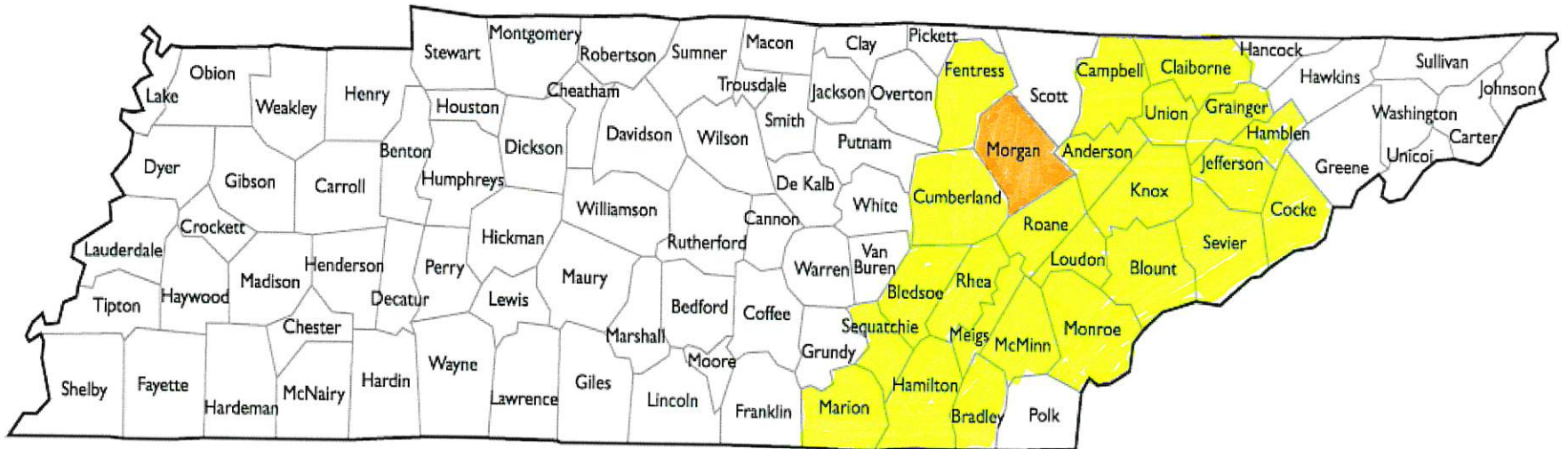
Fair Market Value:

Commercialcafe.com	19.00 SF	Knoxville	Gay Street
propertyshark.com	21.00 SF	Knoxville	Gay Street
Commercialssearch.com	21.00 SF	Knoxville	Gay Street

5-year total cost	\$23,559.45
Rounded	\$24,000.00

Attachment 2N
County Map

TENNESSEE COUNTY MAP



Attachment 3NR
Service Area Demographics

Demographic Variable/ Geographic Area	Department of Health/Health Statistics							Census Bureau				TennCare	
	Total Population Current Year (2022)	Total Population Projected Year (2026)	Total Population % Change	Target Population* Current Year (2022)	Target Population Projected Year (2026)	Target Population % Change	Target Population Projected Year as % of Total	Median Age**	Median Household Income	Person Below Poverty Level	Person Below Poverty Level as % of Total	TennCare Enrollees***	TennCare Enrollees as % of Total
Anderson	77,746	78,715	1.2%	60,749	60,450	-0.5%	76.8%	43.3	\$52,338	10,078	13.3%	19,521	25.1%
Bledsoe	15,265	15,688	2.8%	12,193	12,290	0.8%	78.3%	44.5	\$49,382	3,037	20.8%	3,677	24.1%
Blount	136,116	140,274	3.1%	106,037	107,154	1.1%	76.4%	43.4	\$60,301	11,817	9.2%	25,804	19.0%
Bradley	110,318	113,675	3.0%	89,779	91,086	1.5%	80.1%	39.5	\$51,872	14,429	13.8%	27,130	24.6%
Campbell	39,348	38,939	-1.0%	30,576	29,741	-2.7%	76.4%	43.8	\$41,769	7,937	20.0%	13,853	35.2%
Claiborne	32,217	32,522	0.9%	25,111	24,789	-1.3%	76.2%	43.0	\$37,954	5,975	18.9%	10,226	31.7%
Cocke	36,221	36,459	0.7%	27,769	27,259	-1.8%	74.8%	44.9	\$38,530	6,961	19.7%	13,175	36.4%
Cumberland	62,326	64,493	3.5%	41,717	41,928	0.5%	65.0%	50.7	\$49,423	7,036	12.0%	14,707	23.6%
Fentress	18,451	18,570	0.6%	13,987	13,743	-1.7%	74.0%	45.0	\$40,203	3,491	19.4%	6,710	36.4%
Grainger	23,595	23,895	1.3%	18,226	17,997	-1.3%	75.3%	44.6	\$44,703	3,268	14.2%	6,756	28.6%
Hamblen	65,862	67,031	1.8%	52,874	53,103	0.4%	79.2%	40.4	\$43,151	9,561	15.0%	19,309	29.3%
Hamilton	375,027	384,624	2.6%	303,610	307,243	1.2%	79.9%	39.6	\$56,606	47,554	13.3%	78,715	21.0%
Jefferson	55,709	57,115	2.5%	43,345	43,356	0.0%	75.9%	43.4	\$51,899	6,869	12.9%	14,884	26.7%
Knox	482,417	498,375	3.3%	399,428	407,564	2.0%	81.8%	37.3	\$59,250	49,724	10.9%	92,912	19.3%
Loudon	55,779	58,178	4.3%	39,847	40,679	2.1%	69.9%	47.5	\$61,664	5,471	10.6%	10,770	19.3%
Marion	28,530	28,375	-0.5%	22,270	21,734	-2.4%	76.6%	43.1	\$50,059	4,177	14.7%	7,854	27.5%
McMinn	54,221	54,947	1.3%	42,482	42,182	-0.7%	76.8%	42.7	\$46,872	7,388	14.0%	15,099	27.8%
Meigs	12,616	12,872	2.0%	9,748	9,742	-0.1%	75.7%	44.7	\$50,733	1,914	16.0%	3,810	30.2%
Monroe	47,548	48,442	1.9%	36,492	36,345	-0.4%	75.0%	43.6	\$45,576	6,331	13.8%	13,325	28.0%
Rhea	33,892	34,634	2.2%	27,033	27,170	0.5%	78.4%	40.2	\$46,096	4,894	15.0%	10,297	30.4%
Roane	53,377	53,357	0.0%	39,984	38,977	-2.5%	73.0%	46.3	\$55,578	7,141	13.5%	13,161	24.7%
Sequatchie	15,518	16,085	3.7%	11,994	12,156	1.4%	75.6%	43.3	\$44,217	2,372	16.1%	4,590	29.6%
Sevier	103,319	108,302	4.8%	81,021	83,445	3.0%	77.0%	42.7	\$51,734	13,288	13.8%	24,372	23.6%
Union	19,900	19,998	0.5%	15,781	15,416	-2.3%	77.1%	42.3	\$45,143	3,261	16.9%	6,047	30.4%
Service Area Total	1,955,318	2,005,565	2.6%	1,552,053	1,565,549	0.9%	78.1%	41.2	\$53,690	243,973	13.1%	456,704	23.4%
State of TN Total	6,997,493	7,203,404	2.9%	5,743,164	5,826,949	1.5%	80.9%	38.7	\$54,833	904,548	13.6%	1,706,558	24.4%

Morgan	21,911	22,152	1.1%	17,672	17,607	-0.4%	79.5%	41.1	\$41,701	4,060	18.8%	5,227	23.9%
Service Area Total with Morgan	1,977,229	2,027,717	2.6%	1,569,725	1,583,156	0.9%	78.1%	41.2	\$53,553	248,033	13.1%	461,931	23.4%

* As noted in 3N-A, the target population of the proposed project is the service area population under 65.

** Median age information was gathered via data.census.gov/cedsci

*** Most recent data set at time of proposal was August 2022

Attachment 3N-1
Department of Health
Population Estimates

Tennessee Population Estimates 2022 and 2026 *

	Population Estimate 2022			Population Estimate 2026			% Increase	
	Total	0-17	% 0-17	Total	0-17	% 0-17	0-17	Total
Tennessee	6,997,493	1,541,977	22.0%	7,203,404	1,573,804	21.8%	2.1%	2.9%
Anderson	77,746	15,823	20.4%	78,715	15,811	20.1%	-0.1%	1.2%
Bedford	51,436	12,741	24.8%	53,694	13,207	24.6%	3.7%	4.4%
Benton	16,259	3,120	19.2%	16,268	3,023	18.6%	-3.1%	0.1%
Bledsoe	15,265	2,250	14.7%	15,688	2,247	14.3%	-0.1%	2.8%
Blount	136,116	26,692	19.6%	140,274	27,136	19.3%	1.7%	3.1%
Bradley	110,318	23,808	21.6%	113,675	24,179	21.3%	1.6%	3.0%
Campbell	39,348	7,800	19.8%	38,939	7,588	19.5%	-2.7%	-1.0%
Cannon	14,791	3,018	20.4%	15,040	2,968	19.7%	-1.7%	1.7%
Carroll	27,767	6,030	21.7%	27,417	5,874	21.4%	-2.6%	-1.3%
Carter	55,761	9,725	17.4%	54,913	9,233	16.8%	-5.1%	-1.5%
Cheatham	41,212	8,635	21.0%	41,790	8,478	20.3%	-1.8%	1.4%
Chester	17,394	3,925	22.6%	17,518	3,819	21.8%	-2.7%	0.7%
Claiborne	32,217	5,829	18.1%	32,522	5,558	17.1%	-4.6%	0.9%
Clay	7,768	1,510	19.4%	7,769	1,476	19.0%	-2.3%	0.0%
Cocke	36,221	6,924	19.1%	36,459	6,708	18.4%	-3.1%	0.7%
Coffee	57,147	13,306	23.3%	58,462	13,413	22.9%	0.8%	2.3%
Crockett	14,300	3,259	22.8%	14,231	3,219	22.6%	-1.2%	-0.5%
Cumberland	62,326	10,442	16.8%	64,493	10,494	16.3%	0.5%	3.5%
Davidson	717,032	156,667	21.8%	737,504	163,413	22.2%	4.3%	2.9%
Decatur	11,711	2,326	19.9%	11,667	2,269	19.4%	-2.4%	-0.4%
DeKalb	20,730	4,275	20.6%	21,225	4,276	20.1%	0.0%	2.4%
Dickson	55,704	12,352	22.2%	57,725	12,560	21.8%	1.7%	3.6%
Dyer	37,465	8,773	23.4%	37,520	8,750	23.3%	-0.3%	0.1%
Fayette	42,567	7,834	18.4%	44,364	8,146	18.4%	4.0%	4.2%
Fentress	18,451	3,689	20.0%	18,570	3,626	19.5%	-1.7%	0.6%
Franklin	42,297	8,517	20.1%	42,601	8,424	19.8%	-1.1%	0.7%
Gibson	49,445	11,716	23.7%	49,737	11,684	23.5%	-0.3%	0.6%
Giles	29,403	6,079	20.7%	29,200	5,930	20.3%	-2.5%	-0.7%
Grainger	23,595	4,513	19.1%	23,895	4,431	18.5%	-1.8%	1.3%
Greene	69,852	13,117	18.8%	70,287	12,932	18.4%	-1.4%	0.6%
Grundy	13,072	2,636	20.2%	12,757	2,469	19.4%	-6.3%	-2.4%
Hamblen	65,862	14,827	22.5%	67,031	15,070	22.5%	1.6%	1.8%
Hamilton	375,027	78,747	21.0%	384,624	80,471	20.9%	2.2%	2.6%
Hancock	6,431	1,254	19.5%	6,290	1,176	18.7%	-6.3%	-2.2%
Hardeman	24,981	4,666	18.7%	24,680	4,460	18.1%	-4.4%	-1.2%
Hardin	25,795	5,013	19.4%	25,700	4,812	18.7%	-4.0%	-0.4%
Hawkins	56,619	10,562	18.7%	56,403	10,159	18.0%	-3.8%	-0.4%
Haywood	16,899	3,606	21.3%	16,451	3,438	20.9%	-4.6%	-2.7%
Henderson	28,158	6,165	21.9%	28,392	6,099	21.5%	-1.1%	0.8%
Henry	32,644	6,363	19.5%	32,794	6,226	19.0%	-2.2%	0.5%
Hickman	25,613	5,043	19.7%	26,050	4,946	19.0%	-1.9%	1.7%
Houston	8,384	1,747	20.8%	8,480	1,737	20.5%	-0.6%	1.2%
Humphreys	18,618	3,851	20.7%	18,683	3,780	20.2%	-1.9%	0.3%
Jackson	11,976	2,129	17.8%	12,112	2,131	17.6%	0.1%	1.1%
Jefferson	55,709	10,753	19.3%	57,115	10,757	18.8%	0.0%	2.5%
Johnson	17,711	2,832	16.0%	17,587	2,707	15.4%	-4.4%	-0.7%
Knox	482,417	103,410	21.4%	498,375	106,709	21.4%	3.2%	3.3%
Lake	7,321	979	13.4%	7,239	909	12.6%	-7.1%	-1.1%
Lauderdale	25,815	5,577	21.6%	25,734	5,452	21.2%	-2.3%	-0.3%
Lawrence	44,324	10,292	23.2%	44,721	9,910	22.2%	-3.7%	0.9%

Tennessee Population Estimates 2022 and 2026 *

	Population Estimate 2022			Population Estimate 2026			% Increase	
	Total	0-17	% 0-17	Total	0-17	% 0-17	0-17	Total
Lewis	12,134	2,475	20.4%	12,127	2,393	19.7%	-3.3%	-0.1%
Lincoln	34,677	7,212	20.8%	35,139	7,029	20.0%	-2.5%	1.3%
Loudon	55,779	10,372	18.6%	58,178	10,574	18.2%	1.9%	4.3%
McMinn	54,221	11,188	20.6%	54,947	11,160	20.3%	-0.3%	1.3%
McNairy	26,143	5,399	20.6%	26,336	5,300	20.1%	-1.8%	0.7%
Macon	25,375	6,194	24.4%	26,405	6,400	24.2%	3.3%	4.1%
Madison	97,958	22,207	22.7%	98,181	21,907	22.3%	-1.4%	0.2%
Marion	28,530	5,738	20.1%	28,375	5,571	19.6%	-2.9%	-0.5%
Marshall	35,034	7,946	22.7%	36,261	8,127	22.4%	2.3%	3.5%
Maury	100,386	23,012	22.9%	106,021	24,163	22.8%	5.0%	5.6%
Meigs	12,616	2,478	19.6%	12,872	2,470	19.2%	-0.3%	2.0%
Monroe	47,548	9,396	19.8%	48,442	9,201	19.0%	-2.1%	1.9%
Montgomery	223,240	60,476	27.1%	240,304	65,462	27.2%	8.2%	7.6%
Moore	6,495	1,188	18.3%	6,560	1,181	18.0%	-0.6%	1.0%
Morgan	21,911	4,013	18.3%	22,152	3,951	17.8%	-1.5%	1.1%
Obion	29,967	6,378	21.3%	29,577	6,287	21.3%	-1.4%	-1.3%
Overton	22,614	4,612	20.4%	23,064	4,652	20.2%	0.9%	2.0%
Perry	8,191	1,763	21.5%	8,304	1,753	21.1%	-0.6%	1.4%
Pickett	5,022	838	16.7%	4,947	794	16.1%	-5.3%	-1.5%
Polk	17,226	3,216	18.7%	17,482	3,189	18.2%	-0.8%	1.5%
Putnam	82,286	17,980	21.9%	85,483	18,555	21.7%	3.2%	3.9%
Rhea	33,892	7,331	21.6%	34,634	7,206	20.8%	-1.7%	2.2%
Roane	53,377	9,591	18.0%	53,357	9,408	17.6%	-1.9%	0.0%
Robertson	74,294	17,124	23.0%	77,321	17,626	22.8%	2.9%	4.1%
Rutherford	357,199	87,612	24.5%	389,816	94,893	24.3%	8.3%	9.1%
Scott	22,172	5,112	23.1%	22,215	5,007	22.5%	-2.1%	0.2%
Sequatchie	15,518	3,074	19.8%	16,085	3,132	19.5%	1.9%	3.7%
Sevier	103,319	20,604	19.9%	108,302	21,298	19.7%	3.4%	4.8%
Shelby	944,036	232,951	24.7%	950,748	233,163	24.5%	0.1%	0.7%
Smith	20,435	4,465	21.8%	20,836	4,474	21.5%	0.2%	2.0%
Stewart	13,765	2,734	19.9%	13,912	2,681	19.3%	-1.9%	1.1%
Sullivan	158,570	29,914	18.9%	158,840	29,693	18.7%	-0.7%	0.2%
Sumner	199,672	45,566	22.8%	211,712	47,756	22.6%	4.8%	6.0%
Tipton	62,919	14,823	23.6%	64,016	14,760	23.1%	-0.4%	1.7%
Trousdale	11,388	2,073	18.2%	11,693	2,067	17.7%	-0.3%	2.7%
Unicoi	17,916	3,240	18.1%	17,995	3,241	18.0%	0.0%	0.4%
Union	19,900	4,071	20.5%	19,998	3,938	19.7%	-3.3%	0.5%
VanBuren	5,748	1,059	18.4%	5,704	1,024	18.0%	-3.3%	-0.8%
Warren	41,170	9,172	22.3%	41,359	9,014	21.8%	-1.7%	0.5%
Washington	132,735	25,813	19.4%	136,327	26,367	19.3%	2.1%	2.7%
Wayne	16,388	2,642	16.1%	16,176	2,487	15.4%	-5.9%	-1.3%
Weakley	33,169	6,830	20.6%	32,977	6,707	20.3%	-1.8%	-0.6%
White	27,939	5,818	20.8%	28,660	5,782	20.2%	-0.6%	2.6%
Williamson	256,315	66,049	25.8%	280,668	70,417	25.1%	6.6%	9.5%
Wilson	153,287	35,076	22.9%	165,519	37,254	22.5%	6.2%	8.0%

* TN_CoPopProj_2019 UTCBER Population Projection Series.

Source: Boyd Center for Business and Economic Research, University of Tennessee, Knoxville
 Reassembled by the Tennessee Department of Health, Division of Policy, Planning and Assessment
 Note: These projections may not match Boyd Center projections precisely due to rounding.

Tennessee Population Estimates 2022 and 2026 *

	Population Estimate 2022			Population Estimate 2026			% Increase	
	Total	18+	%18+	Total	18+	%18+	18+	Total
Tennessee	6,997,493	5,455,516	78.0%	7,203,404	5,629,600	78.2%	3.2%	2.9%
Anderson	77,746	61,923	79.6%	78,715	62,904	79.9%	1.6%	1.2%
Bedford	51,436	38,694	75.2%	53,694	40,487	75.4%	4.6%	4.4%
Benton	16,259	13,138	80.8%	16,268	13,245	81.4%	0.8%	0.1%
Bledsoe	15,265	13,015	85.3%	15,688	13,441	85.7%	3.3%	2.8%
Blount	136,116	109,424	80.4%	140,274	113,138	80.7%	3.4%	3.1%
Bradley	110,318	86,510	78.4%	113,675	89,496	78.7%	3.5%	3.0%
Campbell	39,348	31,548	80.2%	38,939	31,351	80.5%	-0.6%	-1.0%
Cannon	14,791	11,773	79.6%	15,040	12,072	80.3%	2.5%	1.7%
Carroll	27,767	21,737	78.3%	27,417	21,543	78.6%	-0.9%	-1.3%
Carter	55,761	46,036	82.6%	54,913	45,680	83.2%	-0.8%	-1.5%
Cheatham	41,212	32,577	79.0%	41,790	33,312	79.7%	2.3%	1.4%
Chester	17,394	13,469	77.4%	17,518	13,699	78.2%	1.7%	0.7%
Claiborne	32,217	26,388	81.9%	32,522	26,963	82.9%	2.2%	0.9%
Clay	7,768	6,258	80.6%	7,769	6,294	81.0%	0.6%	0.0%
Cocke	36,221	29,297	80.9%	36,459	29,752	81.6%	1.6%	0.7%
Coffee	57,147	43,841	76.7%	58,462	45,049	77.1%	2.8%	2.3%
Crockett	14,300	11,041	77.2%	14,231	11,011	77.4%	-0.3%	-0.5%
Cumberland	62,326	51,884	83.2%	64,493	53,999	83.7%	4.1%	3.5%
Davidson	717,032	560,365	78.2%	737,504	574,092	77.8%	2.4%	2.9%
Decatur	11,711	9,385	80.1%	11,667	9,398	80.6%	0.1%	-0.4%
DeKalb	20,730	16,455	79.4%	21,225	16,949	79.9%	3.0%	2.4%
Dickson	55,704	43,352	77.8%	57,725	45,165	78.2%	4.2%	3.6%
Dyer	37,465	28,692	76.6%	37,520	28,770	76.7%	0.3%	0.1%
Fayette	42,567	34,733	81.6%	44,364	36,218	81.6%	4.3%	4.2%
Fentress	18,451	14,761	80.0%	18,570	14,944	80.5%	1.2%	0.6%
Franklin	42,297	33,781	79.9%	42,601	34,177	80.2%	1.2%	0.7%
Gibson	49,445	37,729	76.3%	49,737	38,054	76.5%	0.9%	0.6%
Giles	29,403	23,324	79.3%	29,200	23,270	79.7%	-0.2%	-0.7%
Grainger	23,595	19,082	80.9%	23,895	19,464	81.5%	2.0%	1.3%
Greene	69,852	56,734	81.2%	70,287	57,355	81.6%	1.1%	0.6%
Grundy	13,072	10,435	79.8%	12,757	10,287	80.6%	-1.4%	-2.4%
Hamblen	65,862	51,035	77.5%	67,031	51,961	77.5%	1.8%	1.8%
Hamilton	375,027	296,280	79.0%	384,624	304,153	79.1%	2.7%	2.6%
Hancock	6,431	5,177	80.5%	6,290	5,115	81.3%	-1.2%	-2.2%
Hardeman	24,981	20,315	81.3%	24,680	20,220	81.9%	-0.5%	-1.2%
Hardin	25,795	20,782	80.6%	25,700	20,888	81.3%	0.5%	-0.4%
Hawkins	56,619	46,056	81.3%	56,403	46,244	82.0%	0.4%	-0.4%
Haywood	16,899	13,294	78.7%	16,451	13,013	79.1%	-2.1%	-2.7%
Henderson	28,158	21,993	78.1%	28,392	22,292	78.5%	1.4%	0.8%
Henry	32,644	26,280	80.5%	32,794	26,568	81.0%	1.1%	0.5%
Hickman	25,613	20,570	80.3%	26,050	21,105	81.0%	2.6%	1.7%
Houston	8,384	6,636	79.2%	8,480	6,744	79.5%	1.6%	1.2%
Humphreys	18,618	14,767	79.3%	18,683	14,903	79.8%	0.9%	0.3%
Jackson	11,976	9,847	82.2%	12,112	9,981	82.4%	1.4%	1.1%
Jefferson	55,709	44,957	80.7%	57,115	46,359	81.2%	3.1%	2.5%
Johnson	17,711	14,879	84.0%	17,587	14,879	84.6%	0.0%	-0.7%
Knox	482,417	379,006	78.6%	498,375	391,666	78.6%	3.3%	3.3%
Lake	7,321	6,343	86.6%	7,239	6,330	87.4%	-0.2%	-1.1%
Lauderdale	25,815	20,238	78.4%	25,734	20,282	78.8%	0.2%	-0.3%
Lawrence	44,324	34,032	76.8%	44,721	34,811	77.8%	2.3%	0.9%

Tennessee Population Estimates 2022 and 2026 *

	Population Estimate 2022			Population Estimate 2026			% Increase	
	Total	18+	%18+	Total	18+	%18+	18+	Total
Lewis	12,134	9,659	79.6%	12,127	9,734	80.3%	0.8%	-0.1%
Lincoln	34,677	27,465	79.2%	35,139	28,110	80.0%	2.3%	1.3%
Loudon	55,779	45,407	81.4%	58,178	47,604	81.8%	4.8%	4.3%
McMinn	54,221	43,033	79.4%	54,947	43,787	79.7%	1.8%	1.3%
McNairy	26,143	20,745	79.4%	26,336	21,036	79.9%	1.4%	0.7%
Macon	25,375	19,181	75.6%	26,405	20,004	75.8%	4.3%	4.1%
Madison	97,958	75,752	77.3%	98,181	76,275	77.7%	0.7%	0.2%
Marion	28,530	22,791	79.9%	28,375	22,804	80.4%	0.1%	-0.5%
Marshall	35,034	27,088	77.3%	36,261	28,133	77.6%	3.9%	3.5%
Mauzy	100,386	77,374	77.1%	106,021	81,857	77.2%	5.8%	5.6%
Meigs	12,616	10,138	80.4%	12,872	10,402	80.8%	2.6%	2.0%
Monroe	47,548	38,152	80.2%	48,442	39,242	81.0%	2.9%	1.9%
Montgomery	223,240	162,764	72.9%	240,304	174,842	72.8%	7.4%	7.6%
Moore	6,495	5,307	81.7%	6,560	5,379	82.0%	1.3%	1.0%
Morgan	21,911	17,899	81.7%	22,152	18,201	82.2%	1.7%	1.1%
Obion	29,967	23,588	78.7%	29,577	23,290	78.7%	-1.3%	-1.3%
Overton	22,614	18,003	79.6%	23,064	18,413	79.8%	2.3%	2.0%
Perry	8,191	6,428	78.5%	8,304	6,551	78.9%	1.9%	1.4%
Pickett	5,022	4,184	83.3%	4,947	4,153	83.9%	-0.7%	-1.5%
Polk	17,226	14,010	81.3%	17,482	14,293	81.8%	2.0%	1.5%
Putnam	82,286	64,306	78.1%	85,483	66,928	78.3%	4.1%	3.9%
Rhea	33,892	26,561	78.4%	34,634	27,429	79.2%	3.3%	2.2%
Roane	53,377	43,786	82.0%	53,357	43,949	82.4%	0.4%	0.0%
Robertson	74,294	57,170	77.0%	77,321	59,695	77.2%	4.4%	4.1%
Rutherford	357,199	269,587	75.5%	389,816	294,923	75.7%	9.4%	9.1%
Scott	22,172	17,060	76.9%	22,215	17,208	77.5%	0.9%	0.2%
Sequatchie	15,518	12,444	80.2%	16,085	12,953	80.5%	4.1%	3.7%
Sevier	103,319	82,715	80.1%	108,302	87,004	80.3%	5.2%	4.8%
Shelby	944,036	711,085	75.3%	950,748	717,585	75.5%	0.9%	0.7%
Smith	20,435	15,970	78.2%	20,836	16,362	78.5%	2.5%	2.0%
Stewart	13,765	11,031	80.1%	13,912	11,230	80.7%	1.8%	1.1%
Sullivan	158,570	128,655	81.1%	158,840	129,147	81.3%	0.4%	0.2%
Sumner	199,672	154,106	77.2%	211,712	163,955	77.4%	6.4%	6.0%
Tipton	62,919	48,096	76.4%	64,016	49,255	76.9%	2.4%	1.7%
Trousdale	11,388	9,314	81.8%	11,693	9,626	82.3%	3.3%	2.7%
Unicoi	17,916	14,676	81.9%	17,995	14,754	82.0%	0.5%	0.4%
Union	19,900	15,828	79.5%	19,998	16,059	80.3%	1.5%	0.5%
VanBuren	5,748	4,689	81.6%	5,704	4,679	82.0%	-0.2%	-0.8%
Warren	41,170	31,998	77.7%	41,359	32,344	78.2%	1.1%	0.5%
Washington	132,735	106,922	80.6%	136,327	109,960	80.7%	2.8%	2.7%
Wayne	16,388	13,745	83.9%	16,176	13,690	84.6%	-0.4%	-1.3%
Weakley	33,169	26,339	79.4%	32,977	26,270	79.7%	-0.3%	-0.6%
White	27,939	22,121	79.2%	28,660	22,878	79.8%	3.4%	2.6%
Williamson	256,315	190,266	74.2%	280,668	210,251	74.9%	10.5%	9.5%
Wilson	153,287	118,211	77.1%	165,519	128,265	77.5%	8.5%	8.0%

* TN_CoPopProj_2019 UTCBER Population Projection Series.

Source: Boyd Center for Business and Economic Research, University of Tennessee, Knoxville
 Reassembled by the Tennessee Department of Health, Division of Policy, Planning and Assessment
 Note: These projections may not match Boyd Center projections precisely due to rounding.

Tennessee Population Estimates 2022 and 2026 *

	Population Estimate 2022			Population Estimate 2026			% Increase	
	Total	65+	%65+	Total	65+	%65+	65+	Total
Tennessee	6,997,493	1,254,329	17.9%	7,203,404	1,376,455	19.1%	9.7%	2.9%
Anderson	77,746	16,997	21.9%	78,715	18,265	23.2%	7.5%	1.2%
Bedford	51,436	8,430	16.4%	53,694	9,395	17.5%	11.4%	4.4%
Benton	16,259	4,154	25.5%	16,268	4,419	27.2%	6.4%	0.1%
Bledsoe	15,265	3,072	20.1%	15,688	3,398	21.7%	10.6%	2.8%
Blount	136,116	30,079	22.1%	140,274	33,120	23.6%	10.1%	3.1%
Bradley	110,318	20,539	18.6%	113,675	22,589	19.9%	10.0%	3.0%
Campbell	39,348	8,772	22.3%	38,939	9,198	23.6%	4.8%	-1.0%
Cannon	14,791	2,991	20.2%	15,040	3,306	22.0%	10.5%	1.7%
Carroll	27,767	6,094	21.9%	27,417	6,395	23.3%	4.9%	-1.3%
Carter	55,761	13,484	24.2%	54,913	14,323	26.1%	6.2%	-1.5%
Ceatham	41,212	7,109	17.2%	41,790	8,041	19.2%	13.1%	1.4%
Chester	17,394	3,265	18.8%	17,518	3,540	20.2%	8.4%	0.7%
Claiborne	32,217	7,106	22.1%	32,522	7,733	23.8%	8.8%	0.9%
Clay	7,768	2,085	26.8%	7,769	2,250	29.0%	7.9%	0.0%
Cocke	36,221	8,452	23.3%	36,459	9,200	25.2%	8.9%	0.7%
Coffee	57,147	10,675	18.7%	58,462	11,589	19.8%	8.6%	2.3%
Crockett	14,300	2,926	20.5%	14,231	3,111	21.9%	6.3%	-0.5%
Cumberland	62,326	20,609	33.1%	64,493	22,565	35.0%	9.5%	3.5%
Davidson	717,032	95,863	13.4%	737,504	104,859	14.2%	9.4%	2.9%
Decatur	11,711	2,999	25.6%	11,667	3,183	27.3%	6.1%	-0.4%
DeKalb	20,730	4,215	20.3%	21,225	4,665	22.0%	10.7%	2.4%
Dickson	55,704	10,035	18.0%	57,725	11,224	19.4%	11.9%	3.6%
Dyer	37,465	7,151	19.1%	37,520	7,596	20.2%	6.2%	0.1%
Fayette	42,567	10,177	23.9%	44,364	11,494	25.9%	12.9%	4.2%
Fentress	18,451	4,464	24.2%	18,570	4,827	26.0%	8.1%	0.6%
Franklin	42,297	9,313	22.0%	42,601	10,008	23.5%	7.5%	0.7%
Gibson	49,445	9,575	19.4%	49,737	10,134	20.4%	5.8%	0.6%
Giles	29,403	6,482	22.0%	29,200	6,953	23.8%	7.3%	-0.7%
Grainger	23,595	5,369	22.8%	23,895	5,898	24.7%	9.9%	1.3%
Greene	69,852	16,425	23.5%	70,287	17,609	25.1%	7.2%	0.6%
Grundy	13,072	3,007	23.0%	12,757	3,171	24.9%	5.4%	-2.4%
Hamblen	65,862	12,988	19.7%	67,031	13,928	20.8%	7.2%	1.8%
Hamilton	375,027	71,417	19.0%	384,624	77,381	20.1%	8.4%	2.6%
Hancock	6,431	1,513	23.5%	6,290	1,592	25.3%	5.3%	-2.2%
Hardeman	24,981	4,863	19.5%	24,680	5,031	20.4%	3.5%	-1.2%
Hardin	25,795	6,487	25.2%	25,700	6,891	26.8%	6.2%	-0.4%
Hawkins	56,619	13,161	23.2%	56,403	14,170	25.1%	7.7%	-0.4%
Haywood	16,899	3,647	21.6%	16,451	3,884	23.6%	6.5%	-2.7%
Henderson	28,158	5,616	19.9%	28,392	6,037	21.3%	7.5%	0.8%
Henry	32,644	8,207	25.1%	32,794	8,752	26.7%	6.6%	0.5%
Hickman	25,613	4,905	19.1%	26,050	5,342	20.5%	8.9%	1.7%
Houston	8,384	1,854	22.1%	8,480	1,991	23.5%	7.4%	1.2%
Humphreys	18,618	4,063	21.8%	18,683	4,349	23.3%	7.1%	0.3%
Jackson	11,976	3,014	25.2%	12,112	3,299	27.2%	9.5%	1.1%
Jefferson	55,709	12,364	22.2%	57,115	13,759	24.1%	11.3%	2.5%
Johnson	17,711	4,358	24.6%	17,587	4,541	25.8%	4.2%	-0.7%
Knox	482,417	82,989	17.2%	498,375	90,811	18.2%	9.4%	3.3%
Lake	7,321	1,204	16.4%	7,239	1,213	16.8%	0.8%	-1.1%
Lauderdale	25,815	4,458	17.3%	25,734	4,698	18.3%	5.4%	-0.3%
Lawrence	44,324	8,644	19.5%	44,721	9,395	21.0%	8.7%	0.9%

Tennessee Population Estimates 2022 and 2026 *

	Population Estimate 2022			Population Estimate 2026			% Increase	
	Total	65+	%65+	Total	65+	%65+	65+	Total
Lewis	12,134	2,829	23.3%	12,127	3,042	25.1%	7.6%	-0.1%
Lincoln	34,677	7,407	21.4%	35,139	8,056	22.9%	8.8%	1.3%
Loudon	55,779	15,932	28.6%	58,178	17,499	30.1%	9.8%	4.3%
McMinn	54,221	11,739	21.7%	54,947	12,765	23.2%	8.7%	1.3%
McNairy	26,143	5,831	22.3%	26,336	6,197	23.5%	6.3%	0.7%
Macon	25,375	4,330	17.1%	26,405	4,810	18.2%	11.1%	4.1%
Madison	97,958	18,656	19.0%	98,181	20,248	20.6%	8.5%	0.2%
Marion	28,530	6,260	21.9%	28,375	6,641	23.4%	6.1%	-0.5%
Marshall	35,034	6,205	17.7%	36,261	6,910	19.1%	11.4%	3.5%
Maury	100,386	17,888	17.8%	106,021	20,276	19.1%	13.3%	5.6%
Meigs	12,616	2,868	22.7%	12,872	3,130	24.3%	9.2%	2.0%
Monroe	47,548	11,056	23.3%	48,442	12,097	25.0%	9.4%	1.9%
Montgomery	223,240	22,705	10.2%	240,304	26,213	10.9%	15.5%	7.6%
Moore	6,495	1,542	23.7%	6,560	1,664	25.4%	7.9%	1.0%
Morgan	21,911	4,239	19.3%	22,152	4,545	20.5%	7.2%	1.1%
Obion	29,967	6,675	22.3%	29,577	6,957	23.5%	4.2%	-1.3%
Overton	22,614	4,995	22.1%	23,064	5,378	23.3%	7.7%	2.0%
Perry	8,191	1,846	22.5%	8,304	1,960	23.6%	6.1%	1.4%
Pickett	5,022	1,492	29.7%	4,947	1,575	31.8%	5.6%	-1.5%
Polk	17,226	3,910	22.7%	17,482	4,258	24.4%	8.9%	1.5%
Putnam	82,286	14,863	18.1%	85,483	16,415	19.2%	10.4%	3.9%
Rhea	33,892	6,859	20.2%	34,634	7,464	21.6%	8.8%	2.2%
Roane	53,377	13,393	25.1%	53,357	14,380	27.0%	7.4%	0.0%
Robertson	74,294	12,402	16.7%	77,321	14,103	18.2%	13.7%	4.1%
Rutherford	357,199	42,114	11.8%	389,816	50,310	12.9%	19.5%	9.1%
Scott	22,172	4,095	18.5%	22,215	4,396	19.8%	7.4%	0.2%
Sequatchie	15,518	3,524	22.7%	16,085	3,929	24.4%	11.5%	3.7%
Sevier	103,319	22,298	21.6%	108,302	24,857	23.0%	11.5%	4.8%
Shelby	944,036	142,579	15.1%	950,748	154,037	16.2%	8.0%	0.7%
Smith	20,435	3,876	19.0%	20,836	4,304	20.7%	11.0%	2.0%
Stewart	13,765	3,067	22.3%	13,912	3,332	23.9%	8.6%	1.1%
Sullivan	158,570	37,493	23.6%	158,840	39,711	25.0%	5.9%	0.2%
Sumner	199,672	34,799	17.4%	211,712	39,506	18.7%	13.5%	6.0%
Tipton	62,919	10,275	16.3%	64,016	11,454	17.9%	11.5%	1.7%
Trousdale	11,388	1,564	13.7%	11,693	1,692	14.5%	8.2%	2.7%
Unicoi	17,916	4,511	25.2%	17,995	4,813	26.7%	6.7%	0.4%
Union	19,900	4,119	20.7%	19,998	4,582	22.9%	11.2%	0.5%
VanBuren	5,748	1,497	26.0%	5,704	1,589	27.9%	6.2%	-0.8%
Warren	41,170	7,965	19.3%	41,359	8,531	20.6%	7.1%	0.5%
Washington	132,735	26,466	19.9%	136,327	28,838	21.2%	9.0%	2.7%
Wayne	16,388	3,425	20.9%	16,176	3,581	22.1%	4.5%	-1.3%
Weakley	33,169	6,754	20.4%	32,977	7,151	21.7%	5.9%	-0.6%
White	27,939	6,137	22.0%	28,660	6,681	23.3%	8.9%	2.6%
Williamson	256,315	37,752	14.7%	280,668	44,883	16.0%	18.9%	9.5%
Wilson	153,287	26,434	17.2%	165,519	30,578	18.5%	15.7%	8.0%

* TN_CoPopProj_2019 UTCBER Population Projection Series.

Source: Boyd Center for Business and Economic Research, University of Tennessee, Knoxville
 Reassembled by the Tennessee Department of Health, Division of Policy, Planning and Assessment
 Note: These projections may not match Boyd Center projections precisely due to rounding.

Tennessee Female Population Estimates 2022 and 2026 *

	Population Estimate 2022			Population Estimate 2026			% Increase	
	Total	15-44	%15-44	Total	15-44	%15-44	15-44	Total
Tennessee	3,587,578	1,351,308	37.7%	3,696,105	1,374,176	37.2%	1.7%	3.0%
Anderson	39,873	13,233	33.2%	40,326	13,252	32.9%	0.1%	1.1%
Bedford	26,256	9,666	36.8%	27,476	10,059	36.6%	4.1%	4.6%
Benton	8,287	2,420	29.2%	8,283	2,371	28.6%	-2.1%	0.0%
Bledsoe	6,145	1,895	30.8%	6,195	1,820	29.4%	-4.0%	0.8%
Blount	70,255	23,578	33.6%	72,521	24,071	33.2%	2.1%	3.2%
Bradley	56,761	21,105	37.2%	58,544	21,583	36.9%	2.3%	3.1%
Campbell	20,014	6,591	32.9%	19,798	6,396	32.3%	-3.0%	-1.1%
Cannon	7,449	2,473	33.2%	7,574	2,467	32.6%	-0.2%	1.7%
Carroll	14,182	4,734	33.4%	13,997	4,643	33.2%	-1.9%	-1.3%
Carter	28,542	9,227	32.3%	28,174	8,939	31.7%	-3.1%	-1.3%
Ceatham	20,794	7,459	35.9%	21,128	7,434	35.2%	-0.3%	1.6%
Chester	9,081	3,578	39.4%	9,191	3,596	39.1%	0.5%	1.2%
Claiborne	16,480	5,773	35.0%	16,642	5,779	34.7%	0.1%	1.0%
Clay	3,923	1,125	28.7%	3,900	1,096	28.1%	-2.5%	-0.6%
Cocke	18,774	5,980	31.9%	18,948	5,933	31.3%	-0.8%	0.9%
Coffee	29,261	10,383	35.5%	29,953	10,550	35.2%	1.6%	2.4%
Crockett	7,495	2,567	34.2%	7,491	2,537	33.9%	-1.2%	-0.1%
Cumberland	31,998	8,485	26.5%	33,088	8,661	26.2%	2.1%	3.4%
Davidson	370,870	167,846	45.3%	381,483	168,269	44.1%	0.3%	2.9%
Decatur	5,971	1,806	30.3%	5,951	1,764	29.6%	-2.4%	-0.3%
DeKalb	10,397	3,501	33.7%	10,657	3,537	33.2%	1.0%	2.5%
Dickson	28,410	10,125	35.6%	29,482	10,347	35.1%	2.2%	3.8%
Dyer	19,457	6,982	35.9%	19,521	6,912	35.4%	-1.0%	0.3%
Fayette	21,643	6,679	30.9%	22,580	6,799	30.1%	1.8%	4.3%
Fentress	9,470	2,860	30.2%	9,552	2,841	29.7%	-0.7%	0.9%
Franklin	21,679	7,750	35.7%	21,868	7,784	35.6%	0.4%	0.9%
Gibson	25,726	9,084	35.3%	25,869	9,040	34.9%	-0.5%	0.6%
Giles	15,183	5,068	33.4%	15,124	5,007	33.1%	-1.2%	-0.4%
Grainger	11,709	3,656	31.2%	11,856	3,622	30.5%	-0.9%	1.3%
Greene	35,535	11,572	32.6%	35,782	11,496	32.1%	-0.7%	0.7%
Grundy	6,608	2,164	32.7%	6,448	2,038	31.6%	-5.8%	-2.4%
Hamblen	33,845	11,704	34.6%	34,559	11,910	34.5%	1.8%	2.1%
Hamilton	193,980	73,137	37.7%	198,971	74,041	37.2%	1.2%	2.6%
Hancock	3,251	1,027	31.6%	3,180	994	31.3%	-3.2%	-2.2%
Hardeman	11,215	3,648	32.5%	10,953	3,483	31.8%	-4.5%	-2.3%
Hardin	13,282	4,096	30.8%	13,288	4,046	30.4%	-1.2%	0.1%
Hawkins	28,877	9,230	32.0%	28,803	9,051	31.4%	-1.9%	-0.3%
Haywood	9,021	2,956	32.8%	8,781	2,748	31.3%	-7.0%	-2.7%
Henderson	14,510	5,043	34.8%	14,644	5,019	34.3%	-0.5%	0.9%
Henry	16,885	5,129	30.4%	17,004	5,121	30.1%	-0.2%	0.7%
Hickman	12,183	4,172	34.2%	12,415	4,203	33.9%	0.7%	1.9%
Houston	4,297	1,433	33.3%	4,370	1,441	33.0%	0.6%	1.7%
Humphreys	9,362	3,068	32.8%	9,392	3,032	32.3%	-1.2%	0.3%
Jackson	6,032	1,775	29.4%	6,109	1,759	28.8%	-0.9%	1.3%
Jefferson	28,367	9,436	33.3%	29,147	9,576	32.9%	1.5%	2.7%
Johnson	8,129	2,369	29.1%	8,006	2,290	28.6%	-3.4%	-1.5%
Knox	248,301	100,086	40.3%	256,675	102,392	39.9%	2.3%	3.4%
Lake	2,508	758	30.2%	2,379	694	29.2%	-8.4%	-5.2%
Lauderdale	12,492	4,394	35.2%	12,417	4,281	34.5%	-2.6%	-0.6%
Lawrence	22,573	7,837	34.7%	22,802	7,881	34.6%	0.6%	1.0%

Tennessee Female Population Estimates 2022 and 2026 *

	Population Estimate 2022			Population Estimate 2026			% Increase	
	Total	15-44	%15-44	Total	15-44	%15-44	15-44	Total
Lewis	6,242	1,999	32.0%	6,262	1,968	31.4%	-1.5%	0.3%
Lincoln	17,661	5,717	32.4%	17,884	5,757	32.2%	0.7%	1.3%
Loudon	28,423	8,171	28.7%	29,665	8,522	28.7%	4.3%	4.4%
McMinn	27,836	9,380	33.7%	28,227	9,372	33.2%	-0.1%	1.4%
McNairy	13,280	4,313	32.5%	13,361	4,282	32.0%	-0.7%	0.6%
Macon	13,032	4,728	36.3%	13,612	4,913	36.1%	3.9%	4.4%
Madison	51,763	19,453	37.6%	52,054	19,360	37.2%	-0.5%	0.6%
Marion	14,616	4,780	32.7%	14,561	4,705	32.3%	-1.6%	-0.4%
Marshall	17,905	6,477	36.2%	18,558	6,626	35.7%	2.3%	3.6%
Maury	52,130	19,067	36.6%	55,210	19,843	35.9%	4.1%	5.9%
Meigs	6,375	2,025	31.8%	6,517	2,019	31.0%	-0.3%	2.2%
Monroe	23,894	7,710	32.3%	24,360	7,752	31.8%	0.5%	2.0%
Montgomery	112,215	51,057	45.5%	120,909	54,105	44.7%	6.0%	7.7%
Moore	3,263	1,044	32.0%	3,300	1,035	31.4%	-0.8%	1.2%
Morgan	9,850	3,210	32.6%	9,885	3,168	32.0%	-1.3%	0.4%
Obion	15,509	5,111	33.0%	15,341	5,001	32.6%	-2.1%	-1.1%
Overton	11,419	3,790	33.2%	11,653	3,818	32.8%	0.7%	2.0%
Perry	4,060	1,321	32.5%	4,115	1,341	32.6%	1.5%	1.4%
Pickett	2,518	674	26.8%	2,486	647	26.0%	-4.1%	-1.3%
Polk	8,766	2,772	31.6%	8,921	2,773	31.1%	0.0%	1.8%
Putnam	41,443	16,471	39.7%	43,159	17,025	39.4%	3.4%	4.1%
Rhea	17,075	5,979	35.0%	17,435	6,097	35.0%	2.0%	2.1%
Roane	27,352	8,347	30.5%	27,349	8,168	29.9%	-2.1%	0.0%
Robertson	37,716	13,859	36.7%	39,369	14,274	36.3%	3.0%	4.4%
Rutherford	181,595	79,871	44.0%	198,319	85,538	43.1%	7.1%	9.2%
Scott	11,323	4,073	36.0%	11,371	4,024	35.4%	-1.2%	0.4%
Sequatchie	7,866	2,561	32.6%	8,174	2,596	31.8%	1.4%	3.9%
Sevier	52,791	17,695	33.5%	55,348	18,480	33.4%	4.4%	4.8%
Shelby	496,201	195,450	39.4%	500,341	194,737	38.9%	-0.4%	0.8%
Smith	10,297	3,593	34.9%	10,534	3,625	34.4%	0.9%	2.3%
Stewart	6,894	2,168	31.4%	6,967	2,164	31.1%	-0.2%	1.0%
Sullivan	81,534	26,408	32.4%	81,717	26,179	32.0%	-0.9%	0.2%
Sumner	102,364	37,309	36.4%	108,674	39,112	36.0%	4.8%	6.2%
Tipton	31,923	11,807	37.0%	32,527	11,830	36.4%	0.2%	1.9%
Trousdale	4,662	1,798	38.6%	4,811	1,832	38.1%	1.9%	3.2%
Unicoi	9,140	2,847	31.1%	9,199	2,817	30.6%	-1.1%	0.6%
Union	10,117	3,369	33.3%	10,195	3,339	32.8%	-0.9%	0.8%
VanBuren	2,870	819	28.6%	2,845	786	27.6%	-4.0%	-0.9%
Warren	20,834	7,317	35.1%	20,958	7,278	34.7%	-0.5%	0.6%
Washington	67,989	26,473	38.9%	69,893	27,034	38.7%	2.1%	2.8%
Wayne	7,307	2,263	31.0%	7,173	2,170	30.3%	-4.1%	-1.8%
Weakley	16,981	6,669	39.3%	16,927	6,650	39.3%	-0.3%	-0.3%
White	14,300	4,737	33.1%	14,691	4,851	33.0%	2.4%	2.7%
Williamson	130,834	47,546	36.3%	143,492	51,642	36.0%	8.6%	9.7%
Wilson	78,082	28,418	36.4%	84,460	30,321	35.9%	6.7%	8.2%

* TN_CoPopProj_2019 UTCBER Population Projection Series.

Source: Boyd Center for Business and Economic Research, University of Tennessee, Knoxville
 Reassembled by the Tennessee Department of Health, Division of Policy, Planning and Assessment
 Note: These projections may not match Boyd Center projections precisely due to rounding.

Attachment 3N-2
US Census Supplementary
Demographic Data

	Tennessee												Anderson County, Tennessee					
	Total		Percent		Male		Percent Male		Female		Percent Female		Total		Percent		Male	
Label	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	
Total population	6,651,089	*****	(X)	(X)	3,243,678	±1,143	(X)	(X)	3,407,411	±1,143	(X)	(X)	75,775	*****	(X)	(X)	36,904	
AGE																		
Under 5 years	403,591	±814	6.1%	±0.1	206,076	±722	6.4%	±0.1	197,515	±772	5.8%	±0.1	4,075	±24	5.4%	±0.1	2,130	
5 to 9 years	412,789	±3,685	6.2%	±0.1	211,506	±2,543	6.5%	±0.1	201,283	±2,517	5.9%	±0.1	4,674	±408	6.2%	±0.5	2,482	
10 to 14 years	427,445	±3,685	6.4%	±0.1	217,232	±2,548	6.7%	±0.1	210,213	±2,574	6.2%	±0.1	4,372	±399	5.8%	±0.5	2,087	
15 to 19 years	424,822	±1,225	6.4%	±0.1	217,718	±887	6.7%	±0.1	207,104	±1,033	6.1%	±0.1	4,341	±118	5.7%	±0.2	2,264	
20 to 24 years	451,736	±1,106	6.8%	±0.1	227,896	±861	7.0%	±0.1	223,840	±699	6.6%	±0.1	4,340	±164	5.7%	±0.2	2,227	
25 to 29 years	463,902	±1,115	7.0%	±0.1	230,485	±765	7.1%	±0.1	233,417	±708	6.9%	±0.1	4,560	±167	6.0%	±0.2	2,313	
30 to 34 years	429,109	±989	6.5%	±0.1	211,847	±707	6.5%	±0.1	217,262	±754	6.4%	±0.1	4,270	±174	5.6%	±0.2	2,104	
35 to 39 years	421,517	±3,573	6.3%	±0.1	206,381	±2,280	6.4%	±0.1	215,136	±2,168	6.3%	±0.1	4,333	±311	5.7%	±0.4	2,087	
40 to 44 years	416,659	±3,597	6.3%	±0.1	207,751	±2,306	6.4%	±0.1	208,908	±2,157	6.1%	±0.1	4,637	±339	6.1%	±0.4	2,415	
45 to 49 years	437,508	±1,014	6.6%	±0.1	215,466	±759	6.6%	±0.1	222,042	±598	6.5%	±0.1	4,989	±154	6.6%	±0.2	2,426	
50 to 54 years	452,747	±805	6.8%	±0.1	219,604	±605	6.8%	±0.1	233,143	±496	6.8%	±0.1	5,369	±159	7.1%	±0.2	2,518	
55 to 59 years	448,270	±3,419	6.7%	±0.1	213,346	±2,365	6.6%	±0.1	234,924	±2,203	6.9%	±0.1	5,777	±367	7.6%	±0.5	2,807	
60 to 64 years	415,781	±3,430	6.3%	±0.1	197,668	±2,489	6.1%	±0.1	218,113	±2,194	6.4%	±0.1	5,307	±347	7.0%	±0.5	2,576	
65 to 69 years	360,788	±3,206	5.4%	±0.1	171,224	±1,815	5.3%	±0.1	189,564	±2,183	5.6%	±0.1	4,843	±274	6.4%	±0.4	2,294	
70 to 74 years	264,939	±3,018	4.0%	±0.1	121,065	±1,728	3.7%	±0.1	143,874	±2,049	4.2%	±0.1	3,535	±271	4.7%	±0.4	1,663	
75 to 79 years	184,381	±2,034	2.8%	±0.1	82,041	±1,152	2.5%	±0.1	102,340	±1,700	3.0%	±0.1	2,596	±243	3.4%	±0.3	1,097	
80 to 84 years	122,520	±1,841	1.8%	±0.1	49,804	±1,058	1.5%	±0.1	72,716	±1,476	2.1%	±0.1	2,025	±267	2.7%	±0.4	859	
85 years and over	112,585	±1,981	1.7%	±0.1	36,568	±1,062	1.1%	±0.1	76,017	±1,519	2.2%	±0.1	1,732	±231	2.3%	±0.3	555	
SELECTED AGE CATEGORIES																		
5 to 14 years	840,234	±922	12.6%	±0.1	428,738	±618	13.2%	±0.1	411,496	±751	12.1%	±0.1	9,046	±79	11.9%	±0.1	4,569	
15 to 17 years	257,569	±634	3.9%	±0.1	131,783	±484	4.1%	±0.1	125,786	±589	3.7%	±0.1	2,883	±75	3.8%	±0.1	1,444	
Under 18 years	1,501,394	±805	22.6%	±0.1	766,597	±817	23.6%	±0.1	734,797	±916	21.6%	±0.1	16,004	*****	21.1%	*****	8,143	
18 to 24 years	618,989	±1,250	9.3%	±0.1	313,831	±820	9.7%	±0.1	305,158	±842	9.0%	±0.1	5,798	±156	7.7%	±0.2	3,047	
15 to 44 years	2,607,745	±1,303	39.2%	±0.1	1,302,078	±1,123	40.1%	±0.1	1,305,667	±1,199	38.3%	±0.1	26,481	±211	34.9%	±0.3	13,410	
16 years and over	5,321,857	±1,695	80.0%	±0.1	2,565,714	±1,642	79.1%	±0.1	2,756,143	±1,505	80.9%	±0.1	61,591	±196	81.3%	±0.3	29,700	
18 years and over	5,149,695	±805	77.4%	±0.1	2,477,081	±893	76.4%	±0.1	2,672,614	±936	78.4%	±0.1	59,771	*****	78.9%	*****	28,761	
21 years and over	4,889,932	±2,344	73.5%	±0.1	2,343,483	±1,760	72.2%	±0.1	2,546,449	±1,876	74.7%	±0.1	57,289	±220	75.6%	±0.3	27,438	
60 years and over	1,460,994	±3,495	22.0%	±0.1	658,370	±2,508	20.3%	±0.1	802,624	±2,283	23.6%	±0.1	20,038	±360	26.4%	±0.5	9,044	
62 years and over	1,289,180	±3,184	19.4%	±0.1	576,521	±2,150	17.8%	±0.1	712,659	±2,056	20.9%	±0.1	17,919	±292	23.6%	±0.4	8,005	
65 years and over	1,045,213	±789	15.7%	±0.1	460,702	±574	14.2%	±0.1	584,511	±581	17.2%	±0.1	14,731	±86	19.4%	±0.1	6,468	
75 years and over	419,486	±592	6.3%	±0.1	168,413	±438	5.2%	±0.1	251,073	±395	7.4%	±0.1	6,353	±79	8.4%	±0.1	2,511	
SUMMARY INDICATORS																		
Median age (years)	38.7	±0.2	(X)	(X)	37.4	±0.2	(X)	(X)	39.9	±0.2	(X)	(X)	43.3	±0.3	(X)	(X)	41.7	
Sex ratio (males per 100 females)	95.2	±0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	94.9	±0.8	(X)	(X)	(X)	
Age dependency ratio	62.0	±0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	68.2	±0.3	(X)	(X)	(X)	
Old-age dependency ratio	25.5	±0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	32.7	±0.3	(X)	(X)	(X)	
Child dependency ratio	36.6	±0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	35.5	±0.1	(X)	(X)	(X)	
PERCENT ALLOCATED																		
Sex	(X)	(X)	0.1%	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0%	(X)	(X)	
Age	(X)	(X)	1.5%	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	1.1%	(X)	(X)	

Bledsoe County, Tennessee																
Label	Margin of Error	Percent Male		Female		Percent Female		Total		Percent		Male		Percent Male		Female
		Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate
Total population	±167	(X)	(X)	38,871	±167	(X)	(X)	14,602	*****	(X)	(X)	8,517	±121	(X)	(X)	6,085
AGE																
Under 5 years	±126	5.8%	±0.3	1,945	±125	5.0%	±0.3	603	±27	4.1%	±0.2	329	±28	3.9%	±0.3	274
5 to 9 years	±249	6.7%	±0.7	2,192	±253	5.6%	±0.6	565	±86	3.9%	±0.6	310	±68	3.6%	±0.8	255
10 to 14 years	±248	5.7%	±0.7	2,285	±246	5.9%	±0.6	691	±86	4.7%	±0.6	375	±71	4.4%	±0.8	316
15 to 19 years	±123	6.1%	±0.3	2,077	±111	5.3%	±0.3	701	±82	4.8%	±0.6	350	±69	4.1%	±0.8	351
20 to 24 years	±117	6.0%	±0.3	2,113	±94	5.4%	±0.2	891	±157	6.1%	±1.1	601	±137	7.1%	±1.6	290
25 to 29 years	±109	6.3%	±0.3	2,247	±108	5.8%	±0.3	1,021	±61	7.0%	±0.4	698	±62	8.2%	±0.7	323
30 to 34 years	±84	5.7%	±0.2	2,166	±142	5.6%	±0.4	894	±108	6.1%	±0.7	558	±45	6.6%	±0.5	336
35 to 39 years	±232	5.7%	±0.6	2,246	±226	5.8%	±0.6	832	±153	5.7%	±1.0	541	±136	6.4%	±1.6	291
40 to 44 years	±257	6.5%	±0.7	2,222	±242	5.7%	±0.6	1,298	±198	8.9%	±1.4	837	±185	9.8%	±2.2	461
45 to 49 years	±105	6.6%	±0.3	2,563	±94	6.6%	±0.2	1,181	±115	8.1%	±0.8	787	±115	9.2%	±1.3	394
50 to 54 years	±69	6.8%	±0.2	2,851	±120	7.3%	±0.3	1,148	±48	7.9%	±0.3	674	±40	7.9%	±0.5	474
55 to 59 years	±261	7.6%	±0.7	2,970	±221	7.6%	±0.6	1,322	±171	9.1%	±1.2	795	±110	9.3%	±1.3	527
60 to 64 years	±253	7.0%	±0.7	2,731	±216	7.0%	±0.6	807	±155	5.5%	±1.1	382	±100	4.5%	±1.2	425
65 to 69 years	±206	6.2%	±0.6	2,549	±202	6.6%	±0.5	938	±139	6.4%	±1.0	410	±101	4.8%	±1.2	528
70 to 74 years	±197	4.5%	±0.5	1,872	±205	4.8%	±0.5	705	±132	4.8%	±0.9	396	±108	4.6%	±1.3	309
75 to 79 years	±170	3.0%	±0.5	1,499	±208	3.9%	±0.5	527	±123	3.6%	±0.8	295	±91	3.5%	±1.1	232
80 to 84 years	±181	2.3%	±0.5	1,166	±192	3.0%	±0.5	268	±102	1.8%	±0.7	119	±67	1.4%	±0.8	149
85 years and over	±135	1.5%	±0.4	1,177	±181	3.0%	±0.5	210	±89	1.4%	±0.6	60	±47	0.7%	±0.6	150
SELECTED AGE CATEGORIES																
5 to 14 years	±21	12.4%	±0.1	4,477	±79	11.5%	±0.2	1,256	±36	8.6%	±0.2	685	±30	8.0%	±0.3	571
15 to 17 years	±85	3.9%	±0.2	1,439	±92	3.7%	±0.2	510	±26	3.5%	±0.2	255	±34	3.0%	±0.4	255
Under 18 years	±146	22.1%	±0.3	7,861	±146	20.2%	±0.3	2,369	*****	16.2%	*****	1,269	±44	14.9%	±0.5	1,100
18 to 24 years	±119	8.3%	±0.3	2,751	±85	7.1%	±0.2	1,082	±117	7.4%	±0.8	696	±117	8.2%	±1.4	386
15 to 44 years	±129	36.3%	±0.4	13,071	±194	33.6%	±0.5	5,637	±158	38.6%	±1.1	3,585	±157	42.1%	±1.6	2,052
16 years and over	±147	80.5%	±0.5	31,891	±139	82.0%	±0.4	12,521	±45	85.7%	±0.3	7,433	±119	87.3%	±0.5	5,088
18 years and over	±57	77.9%	±0.3	31,010	±58	79.8%	±0.3	12,233	*****	83.8%	*****	7,248	±115	85.1%	±0.5	4,985
21 years and over	±158	74.3%	±0.5	29,851	±171	76.8%	±0.5	11,882	±121	81.4%	±0.8	7,124	±141	83.6%	±1.0	4,758
60 years and over	±258	24.5%	±0.7	10,994	±214	28.3%	±0.6	3,455	±179	23.7%	±1.2	1,662	±122	19.5%	±1.4	1,793
62 years and over	±223	21.7%	±0.6	9,914	±189	25.5%	±0.5	3,137	±176	21.5%	±1.2	1,544	±120	18.1%	±1.4	1,593
65 years and over	±73	17.5%	±0.2	8,263	±55	21.3%	±0.1	2,648	±90	18.1%	±0.6	1,280	±53	15.0%	±0.7	1,368
75 years and over	±52	6.8%	±0.1	3,842	±49	9.9%	±0.1	1,005	±43	6.9%	±0.3	474	±44	5.6%	±0.5	531
SUMMARY INDICATORS																
Median age (years)	±0.6	(X)	(X)	44.9	±0.4	(X)	(X)	44.5	±0.4	(X)	(X)	43.2	±1.3	(X)	(X)	46.8
Sex ratio (males per 100 females)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	140.0	±4.8	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Age dependency ratio	(X)	(X)	(X)	(X)	(X)	(X)	(X)	52.3	±1.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Old-age dependency ratio	(X)	(X)	(X)	(X)	(X)	(X)	(X)	27.6	±1.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Child dependency ratio	(X)	(X)	(X)	(X)	(X)	(X)	(X)	24.7	±0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)
PERCENT ALLOCATED																
Sex	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0%	(X)	(X)	(X)	(X)	(X)	(X)
Age	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	1.1%	(X)	(X)	(X)	(X)	(X)	(X)

	Blount County, Tennessee															Bradley C
Label	Margin of Error	Percent Female		Total		Percent		Male		Percent Male		Female		Percent Female		Total
		Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate
Total population	±121	(X)	(X)	128,443	*****	(X)	(X)	62,290	±141	(X)	(X)	66,153	±141	(X)	(X)	104,557
AGE																
Under 5 years	±20	4.5%	±0.3	6,457	±65	5.0%	±0.1	3,307	±111	5.3%	±0.2	3,150	±114	4.8%	±0.2	5,982
5 to 9 years	±60	4.2%	±1.0	7,200	±449	5.6%	±0.3	3,732	±316	6.0%	±0.5	3,468	±312	5.2%	±0.5	6,363
10 to 14 years	±63	5.2%	±1.0	7,813	±440	6.1%	±0.3	3,867	±308	6.2%	±0.5	3,946	±316	6.0%	±0.5	6,684
15 to 19 years	±62	5.8%	±1.0	8,065	±175	6.3%	±0.1	4,101	±113	6.6%	±0.2	3,964	±132	6.0%	±0.2	7,269
20 to 24 years	±56	4.8%	±0.9	7,182	±149	5.6%	±0.1	3,619	±85	5.8%	±0.1	3,563	±99	5.4%	±0.1	7,317
25 to 29 years	±11	5.3%	±0.2	7,597	±187	5.9%	±0.1	3,864	±102	6.2%	±0.2	3,733	±124	5.6%	±0.2	6,856
30 to 34 years	±104	5.5%	±1.6	6,954	±211	5.4%	±0.2	3,405	±161	5.5%	±0.3	3,549	±127	5.4%	±0.2	5,973
35 to 39 years	±87	4.8%	±1.4	8,044	±545	6.3%	±0.4	3,994	±323	6.4%	±0.5	4,050	±354	6.1%	±0.5	6,405
40 to 44 years	±93	7.6%	±1.5	7,560	±534	5.9%	±0.4	3,663	±310	5.9%	±0.5	3,897	±331	5.9%	±0.5	6,865
45 to 49 years	±19	6.5%	±0.1	9,013	±143	7.0%	±0.1	4,407	±83	7.1%	±0.1	4,606	±111	7.0%	±0.2	7,176
50 to 54 years	±31	7.8%	±0.5	9,410	±130	7.3%	±0.1	4,456	±69	7.2%	±0.1	4,954	±110	7.5%	±0.2	7,209
55 to 59 years	±101	8.7%	±1.7	9,207	±476	7.2%	±0.4	4,372	±318	7.0%	±0.5	4,835	±354	7.3%	±0.5	6,833
60 to 64 years	±99	7.0%	±1.6	8,919	±457	6.9%	±0.4	4,332	±332	7.0%	±0.5	4,587	±334	6.9%	±0.5	6,269
65 to 69 years	±87	8.7%	±1.4	8,294	±426	6.5%	±0.3	3,994	±230	6.4%	±0.4	4,300	±309	6.5%	±0.5	6,041
70 to 74 years	±69	5.1%	±1.1	6,583	±400	5.1%	±0.3	2,987	±232	4.8%	±0.4	3,596	±298	5.4%	±0.5	4,105
75 to 79 years	±85	3.8%	±1.4	4,508	±364	3.5%	±0.3	2,129	±208	3.4%	±0.3	2,379	±247	3.6%	±0.4	3,037
80 to 84 years	±78	2.4%	±1.3	2,892	±304	2.3%	±0.2	1,134	±189	1.8%	±0.3	1,758	±227	2.7%	±0.3	2,224
85 years and over	±62	2.5%	±1.0	2,745	±319	2.1%	±0.2	927	±172	1.5%	±0.3	1,818	±211	2.7%	±0.3	1,949
SELECTED AGE CATEGORIES																
5 to 14 years	±26	9.4%	±0.4	15,013	±94	11.7%	±0.1	7,599	±76	12.2%	±0.1	7,414	±63	11.2%	±0.1	13,047
15 to 17 years	±25	4.2%	±0.4	5,075	±63	4.0%	±0.1	2,571	±62	4.1%	±0.1	2,504	±80	3.8%	±0.1	4,176
Under 18 years	±44	18.1%	±0.7	26,545	*****	20.7%	*****	13,477	±122	21.6%	±0.2	13,068	±122	19.8%	±0.1	23,205
18 to 24 years	±19	6.3%	±0.1	10,172	±187	7.9%	±0.1	5,149	±88	8.3%	±0.1	5,023	±140	7.6%	±0.2	10,410
15 to 44 years	±110	33.7%	±1.4	45,402	±184	35.3%	±0.1	22,646	±128	36.4%	±0.2	22,756	±181	34.4%	±0.3	40,685
16 years and over	±118	83.6%	±0.8	105,517	±260	82.2%	±0.2	50,695	±174	81.4%	±0.3	54,822	±189	82.9%	±0.3	84,063
18 years and over	±115	81.9%	±0.7	101,898	*****	79.3%	*****	48,813	±68	78.4%	±0.2	53,085	±68	80.2%	±0.1	81,352
21 years and over	±170	78.2%	±2.0	97,549	±309	75.9%	±0.2	46,595	±224	74.8%	±0.3	50,954	±207	77.0%	±0.4	76,523
60 years and over	±117	29.5%	±1.8	33,941	±475	26.4%	±0.4	15,503	±323	24.9%	±0.5	18,438	±357	27.9%	±0.5	23,625
62 years and over	±124	26.2%	±1.9	30,221	±440	23.5%	±0.3	13,650	±300	21.9%	±0.5	16,571	±324	25.0%	±0.5	20,725
65 years and over	±71	22.5%	±1.0	25,022	±137	19.5%	±0.1	11,171	±84	17.9%	±0.1	13,851	±108	20.9%	±0.2	17,356
75 years and over	±12	8.7%	±0.2	10,145	±125	7.9%	±0.1	4,190	±73	6.7%	±0.1	5,955	±100	9.0%	±0.1	7,210
SUMMARY INDICATORS																
Median age (years)	±0.9	(X)	(X)	43.4	±0.4	(X)	(X)	41.8	±0.5	(X)	(X)	44.7	±0.2	(X)	(X)	39.5
Sex ratio (males per 100 females)	(X)	(X)	(X)	94.2	±0.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	94.9
Age dependency ratio	(X)	(X)	(X)	67.1	±0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	63.4
Old-age dependency ratio	(X)	(X)	(X)	32.5	±0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	27.1
Child dependency ratio	(X)	(X)	(X)	34.5	±0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	36.3
PERCENT ALLOCATED																
Sex	(X)	(X)	(X)	(X)	(X)	0.1%	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Age	(X)	(X)	(X)	(X)	(X)	1.3%	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)

	DeKalb County, Tennessee											Campbell County, Tennessee				
	Percent			Male		Percent Male		Female		Percent Female		Total		Percent		Male
Label	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate
Total population	*****	(X)	(X)	50,905	±166	(X)	(X)	53,652	±166	(X)	(X)	39,687	*****	(X)	(X)	19,306
AGE																
Under 5 years	±44	5.7%	±0.1	3,019	±33	5.9%	±0.1	2,963	±35	5.5%	±0.1	2,187	±118	5.5%	±0.3	1,098
5 to 9 years	±497	6.1%	±0.5	3,400	±265	6.7%	±0.5	2,963	±382	5.5%	±0.7	2,126	±255	5.4%	±0.6	1,124
10 to 14 years	±494	6.4%	±0.5	3,230	±269	6.3%	±0.5	3,454	±376	6.4%	±0.7	2,427	±244	6.1%	±0.6	1,219
15 to 19 years	±255	7.0%	±0.2	3,719	±184	7.3%	±0.3	3,550	±181	6.6%	±0.3	2,199	±43	5.5%	±0.1	1,117
20 to 24 years	±168	7.0%	±0.2	3,689	±133	7.2%	±0.3	3,628	±82	6.8%	±0.2	2,208	±58	5.6%	±0.1	1,093
25 to 29 years	±110	6.6%	±0.1	3,316	±88	6.5%	±0.2	3,540	±61	6.6%	±0.1	2,430	±80	6.1%	±0.2	1,164
30 to 34 years	±170	5.7%	±0.2	3,042	±119	6.0%	±0.2	2,931	±128	5.5%	±0.2	2,070	±54	5.2%	±0.1	1,012
35 to 39 years	±413	6.1%	±0.4	3,073	±290	6.0%	±0.6	3,332	±264	6.2%	±0.5	2,399	±276	6.0%	±0.7	1,217
40 to 44 years	±411	6.6%	±0.4	3,375	±280	6.6%	±0.5	3,490	±268	6.5%	±0.5	2,419	±287	6.1%	±0.7	1,179
45 to 49 years	±140	6.9%	±0.1	3,628	±116	7.1%	±0.2	3,548	±91	6.6%	±0.2	2,865	±83	7.2%	±0.2	1,428
50 to 54 years	±74	6.9%	±0.1	3,530	±60	6.9%	±0.1	3,679	±57	6.9%	±0.1	2,805	±33	7.1%	±0.1	1,365
55 to 59 years	±420	6.5%	±0.4	3,124	±284	6.1%	±0.6	3,709	±301	6.9%	±0.6	3,060	±208	7.7%	±0.5	1,446
60 to 64 years	±408	6.0%	±0.4	3,151	±268	6.2%	±0.5	3,118	±289	5.8%	±0.5	2,462	±216	6.2%	±0.5	1,184
65 to 69 years	±419	5.8%	±0.4	2,738	±262	5.4%	±0.5	3,303	±276	6.2%	±0.5	2,464	±264	6.2%	±0.7	1,155
70 to 74 years	±418	3.9%	±0.4	1,870	±264	3.7%	±0.5	2,235	±271	4.2%	±0.5	2,213	±256	5.6%	±0.6	1,033
75 to 79 years	±335	2.9%	±0.3	1,293	±200	2.5%	±0.4	1,744	±218	3.3%	±0.4	1,542	±177	3.9%	±0.4	615
80 to 84 years	±267	2.1%	±0.3	968	±155	1.9%	±0.3	1,256	±194	2.3%	±0.4	1,059	±174	2.7%	±0.4	515
85 years and over	±265	1.9%	±0.3	740	±194	1.5%	±0.4	1,209	±178	2.3%	±0.3	752	±149	1.9%	±0.4	342
SELECTED AGE CATEGORIES																
5 to 14 years	±186	12.5%	±0.2	6,630	±55	13.0%	±0.1	6,417	±173	12.0%	±0.3	4,553	±64	11.5%	±0.2	2,343
15 to 17 years	±180	4.0%	±0.2	2,210	±138	4.3%	±0.3	1,966	±145	3.7%	±0.3	1,476	±42	3.7%	±0.1	739
Under 18 years	±56	22.2%	±0.1	11,859	±147	23.3%	±0.2	11,346	±152	21.1%	±0.2	8,216	±130	20.7%	±0.3	4,180
18 to 24 years	±144	10.0%	±0.1	5,198	±115	10.2%	±0.2	5,212	±50	9.7%	±0.1	2,931	±60	7.4%	±0.2	1,471
15 to 44 years	±223	38.9%	±0.2	20,214	±192	39.7%	±0.3	20,471	±183	38.2%	±0.3	13,725	±113	34.6%	±0.3	6,782
16 years and over	±217	80.4%	±0.2	40,405	±187	79.4%	±0.3	43,658	±179	81.4%	±0.3	32,419	±162	81.7%	±0.4	15,638
18 years and over	±56	77.8%	±0.1	39,046	±82	76.7%	±0.2	42,306	±66	78.9%	±0.2	31,471	±130	79.3%	±0.3	15,126
21 years and over	±284	73.2%	±0.3	36,777	±201	72.2%	±0.5	39,746	±198	74.1%	±0.4	30,247	±193	76.2%	±0.5	14,502
60 years and over	±419	22.6%	±0.4	10,760	±270	21.1%	±0.5	12,865	±302	24.0%	±0.6	10,492	±234	26.4%	±0.6	4,844
62 years and over	±411	19.8%	±0.4	9,308	±254	18.3%	±0.5	11,417	±265	21.3%	±0.5	9,406	±205	23.7%	±0.5	4,262
65 years and over	±135	16.6%	±0.1	7,609	±95	14.9%	±0.2	9,747	±105	18.2%	±0.2	8,030	±113	20.2%	±0.3	3,660
75 years and over	±124	6.9%	±0.1	3,001	±92	5.9%	±0.2	4,209	±71	7.8%	±0.1	3,353	±79	8.4%	±0.2	1,472
SUMMARY INDICATORS																
Median age (years)	±0.4	(X)	(X)	38.3	±0.5	(X)	(X)	40.5	±0.4	(X)	(X)	43.8	±0.5	(X)	(X)	43.0
Sex ratio (males per 100 females)	±0.6	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	94.7	±1.2	(X)	(X)	(X)
Age dependency ratio	±0.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	69.3	±0.8	(X)	(X)	(X)
Old-age dependency ratio	±0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	34.3	±0.6	(X)	(X)	(X)
Child dependency ratio	±0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	35.0	±0.7	(X)	(X)	(X)
PERCENT ALLOCATED																
Sex	(X)	0.0%	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1%	(X)	(X)
Age	(X)	0.8%	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.8%	(X)	(X)

Claiborne County, Tennessee																
	Percent Male			Female		Percent Female		Total		Percent		Male		Percent Male		Female
Label	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate
Total population	±122	(X)	(X)	20,381	±122	(X)	(X)	31,613	*****	(X)	(X)	15,361	±120	(X)	(X)	16,252
AGE																
Under 5 years	±39	5.7%	±0.2	1,089	±114	5.3%	±0.5	1,559	±64	4.9%	±0.2	766	±46	5.0%	±0.3	793
5 to 9 years	±187	5.8%	±1.0	1,002	±170	4.9%	±0.8	1,514	±164	4.8%	±0.5	712	±131	4.6%	±0.9	802
10 to 14 years	±182	6.3%	±0.9	1,208	±166	5.9%	±0.8	1,813	±158	5.7%	±0.5	982	±124	6.4%	±0.8	831
15 to 19 years	±26	5.8%	±0.1	1,082	±43	5.3%	±0.2	1,933	±81	6.1%	±0.3	938	±45	6.1%	±0.3	995
20 to 24 years	±22	5.7%	±0.1	1,115	±56	5.5%	±0.3	2,203	±92	7.0%	±0.3	1,103	±65	7.2%	±0.4	1,100
25 to 29 years	±43	6.0%	±0.2	1,266	±73	6.2%	±0.4	2,198	±69	7.0%	±0.2	1,142	±44	7.4%	±0.3	1,056
30 to 34 years	±44	5.2%	±0.2	1,058	±35	5.2%	±0.2	1,674	±30	5.3%	±0.1	841	±25	5.5%	±0.2	833
35 to 39 years	±185	6.3%	±1.0	1,182	±194	5.8%	±0.9	1,795	±213	5.7%	±0.7	1,077	±145	7.0%	±0.9	718
40 to 44 years	±185	6.1%	±1.0	1,240	±194	6.1%	±1.0	1,930	±213	6.1%	±0.7	806	±135	5.2%	±0.9	1,124
45 to 49 years	±39	7.4%	±0.2	1,437	±79	7.1%	±0.4	2,129	±51	6.7%	±0.2	1,055	±32	6.9%	±0.2	1,074
50 to 54 years	±16	7.1%	±0.1	1,440	±25	7.1%	±0.1	2,222	±38	7.0%	±0.1	1,069	±33	7.0%	±0.2	1,153
55 to 59 years	±156	7.5%	±0.8	1,614	±142	7.9%	±0.7	2,296	±229	7.3%	±0.7	1,122	±160	7.3%	±1.0	1,174
60 to 64 years	±172	6.1%	±0.9	1,278	±145	6.3%	±0.7	2,296	±234	7.3%	±0.7	1,045	±162	6.8%	±1.1	1,251
65 to 69 years	±161	6.0%	±0.8	1,309	±186	6.4%	±0.9	2,214	±194	7.0%	±0.6	1,041	±132	6.8%	±0.9	1,173
70 to 74 years	±164	5.4%	±0.8	1,180	±173	5.8%	±0.8	1,509	±189	4.8%	±0.6	714	±117	4.6%	±0.8	795
75 to 79 years	±122	3.2%	±0.6	927	±125	4.5%	±0.6	967	±173	3.1%	±0.5	442	±100	2.9%	±0.7	525
80 to 84 years	±123	2.7%	±0.6	544	±119	2.7%	±0.6	633	±122	2.0%	±0.4	273	±85	1.8%	±0.6	360
85 years and over	±97	1.8%	±0.5	410	±107	2.0%	±0.5	728	±152	2.3%	±0.5	233	±85	1.5%	±0.6	495
SELECTED AGE CATEGORIES																
5 to 14 years	±39	12.1%	±0.2	2,210	±46	10.8%	±0.2	3,327	±59	10.5%	±0.2	1,694	±45	11.0%	±0.3	1,633
15 to 17 years	±26	3.8%	±0.1	737	±42	3.6%	±0.2	1,080	±27	3.4%	±0.1	548	±26	3.6%	±0.1	532
Under 18 years	±58	21.7%	±0.3	4,036	±120	19.8%	±0.5	5,966	±93	18.9%	±0.3	3,008	±87	19.6%	±0.5	2,958
18 to 24 years	±22	7.6%	±0.1	1,460	±58	7.2%	±0.3	3,056	±105	9.7%	±0.3	1,493	±75	9.7%	±0.5	1,563
15 to 44 years	±75	35.1%	±0.3	6,943	±101	34.1%	±0.5	11,733	±113	37.1%	±0.4	5,907	±107	38.5%	±0.6	5,826
16 years and over	±151	81.0%	±0.5	16,781	±162	82.3%	±0.7	26,313	±132	83.2%	±0.4	12,712	±135	82.8%	±0.7	13,601
18 years and over	±125	78.3%	±0.3	16,345	±126	80.2%	±0.5	25,647	±93	81.1%	±0.3	12,353	±123	80.4%	±0.5	13,294
21 years and over	±170	75.1%	±0.7	15,745	±145	77.3%	±0.7	24,462	±155	77.4%	±0.5	11,759	±140	76.6%	±0.8	12,703
60 years and over	±189	25.1%	±0.9	5,648	±146	27.7%	±0.7	8,347	±233	26.4%	±0.7	3,748	±160	24.4%	±1.0	4,599
62 years and over	±158	22.1%	±0.8	5,144	±142	25.2%	±0.7	7,413	±218	23.4%	±0.7	3,279	±126	21.3%	±0.8	4,134
65 years and over	±78	19.0%	±0.4	4,370	±68	21.4%	±0.4	6,051	±71	19.1%	±0.2	2,703	±52	17.6%	±0.3	3,348
75 years and over	±67	7.6%	±0.3	1,881	±38	9.2%	±0.2	2,328	±42	7.4%	±0.1	948	±29	6.2%	±0.2	1,380
SUMMARY INDICATORS																
Median age (years)	±0.7	(X)	(X)	44.8	±0.4	(X)	(X)	43.0	±0.6	(X)	(X)	40.7	±1.0	(X)	(X)	44.4
Sex ratio (males per 100 females)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	94.5	±1.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Age dependency ratio	(X)	(X)	(X)	(X)	(X)	(X)	(X)	61.3	±0.9	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Old-age dependency ratio	(X)	(X)	(X)	(X)	(X)	(X)	(X)	30.9	±0.5	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Child dependency ratio	(X)	(X)	(X)	(X)	(X)	(X)	(X)	30.4	±0.6	(X)	(X)	(X)	(X)	(X)	(X)	(X)
PERCENT ALLOCATED																
Sex	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.3%	(X)	(X)	(X)	(X)	(X)	(X)
Age	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	3.0%	(X)	(X)	(X)	(X)	(X)	(X)

Cocke County, Tennessee															Cumberla	
Label	Margin of Error	Percent Female		Total		Percent		Male		Percent Male		Female		Percent Female		Total
		Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate
Total population	±120	(X)	(X)	35,336	*****	(X)	(X)	17,105	±148	(X)	(X)	18,231	±148	(X)	(X)	58,634
AGE																
Under 5 years	±56	4.9%	±0.3	1,809	±81	5.1%	±0.2	903	±63	5.3%	±0.4	906	±65	5.0%	±0.3	2,812
5 to 9 years	±102	4.9%	±0.6	1,888	±272	5.3%	±0.8	1,050	±176	6.1%	±1.0	838	±204	4.6%	±1.1	3,399
10 to 14 years	±101	5.1%	±0.6	2,366	±291	6.7%	±0.8	1,156	±203	6.8%	±1.2	1,210	±235	6.6%	±1.3	2,617
15 to 19 years	±59	6.1%	±0.4	1,938	±71	5.5%	±0.2	1,020	±59	6.0%	±0.3	918	±34	5.0%	±0.2	2,700
20 to 24 years	±63	6.8%	±0.4	1,927	±134	5.5%	±0.4	919	±55	5.4%	±0.3	1,008	±120	5.5%	±0.7	2,669
25 to 29 years	±44	6.5%	±0.3	1,933	±82	5.5%	±0.2	931	±68	5.4%	±0.4	1,002	±48	5.5%	±0.3	3,132
30 to 34 years	±24	5.1%	±0.2	1,766	±82	5.0%	±0.2	833	±43	4.9%	±0.3	933	±61	5.1%	±0.3	2,793
35 to 39 years	±148	4.4%	±0.9	1,534	±283	4.3%	±0.8	717	±176	4.2%	±1.0	817	±187	4.5%	±1.0	2,566
40 to 44 years	±150	6.9%	±0.9	2,561	±259	7.2%	±0.7	1,259	±172	7.4%	±1.0	1,302	±175	7.1%	±1.0	2,905
45 to 49 years	±26	6.6%	±0.2	2,379	±77	6.7%	±0.2	1,109	±4	6.5%	±0.1	1,270	±77	7.0%	±0.4	3,254
50 to 54 years	±35	7.1%	±0.2	2,648	±71	7.5%	±0.2	1,308	±59	7.6%	±0.3	1,340	±35	7.4%	±0.2	3,670
55 to 59 years	±141	7.2%	±0.9	2,565	±312	7.3%	±0.9	1,112	±176	6.5%	±1.0	1,453	±227	8.0%	±1.2	4,413
60 to 64 years	±149	7.7%	±0.9	2,861	±266	8.1%	±0.8	1,389	±181	8.1%	±1.1	1,472	±172	8.1%	±0.9	4,183
65 to 69 years	±119	7.2%	±0.7	2,567	±226	7.3%	±0.6	1,376	±133	8.0%	±0.8	1,191	±160	6.5%	±0.9	5,296
70 to 74 years	±129	4.9%	±0.8	1,860	±227	5.3%	±0.6	837	±129	4.9%	±0.8	1,023	±159	5.6%	±0.9	4,958
75 to 79 years	±104	3.2%	±0.6	1,420	±182	4.0%	±0.5	658	±122	3.8%	±0.7	762	±136	4.2%	±0.7	3,485
80 to 84 years	±91	2.2%	±0.6	761	±138	2.2%	±0.4	302	±80	1.8%	±0.5	459	±110	2.5%	±0.6	2,391
85 years and over	±104	3.0%	±0.6	553	±132	1.6%	±0.4	226	±76	1.3%	±0.4	327	±90	1.8%	±0.5	1,391
SELECTED AGE CATEGORIES																
5 to 14 years	±37	10.0%	±0.2	4,254	±94	12.0%	±0.3	2,206	±148	12.9%	±0.8	2,048	±120	11.2%	±0.6	6,016
15 to 17 years	±27	3.3%	±0.2	1,282	±52	3.6%	±0.1	662	±41	3.9%	±0.2	620	±31	3.4%	±0.2	1,741
Under 18 years	±52	18.2%	±0.3	7,345	±62	20.8%	±0.2	3,771	±116	22.0%	±0.6	3,574	±129	19.6%	±0.6	10,569
18 to 24 years	±70	9.6%	±0.4	2,583	±136	7.3%	±0.4	1,277	±71	7.5%	±0.4	1,306	±118	7.2%	±0.7	3,628
15 to 44 years	±77	35.8%	±0.4	11,659	±133	33.0%	±0.4	5,679	±77	33.2%	±0.4	5,980	±125	32.8%	±0.7	16,765
16 years and over	±114	83.7%	±0.4	28,957	±103	81.9%	±0.3	13,821	±124	80.8%	±0.7	15,136	±125	83.0%	±0.8	49,297
18 years and over	±100	81.8%	±0.3	27,991	±62	79.2%	±0.2	13,334	±105	78.0%	±0.6	14,657	±92	80.4%	±0.6	48,065
21 years and over	±113	78.2%	±0.5	26,904	±166	76.1%	±0.5	12,751	±152	74.5%	±0.8	14,153	±136	77.6%	±0.8	46,502
60 years and over	±153	28.3%	±0.9	10,022	±272	28.4%	±0.8	4,788	±192	28.0%	±1.1	5,234	±167	28.7%	±0.9	21,704
62 years and over	±160	25.4%	±1.0	9,022	±240	25.5%	±0.7	4,245	±170	24.8%	±1.0	4,777	±169	26.2%	±0.9	20,396
65 years and over	±63	20.6%	±0.4	7,161	±57	20.3%	±0.2	3,399	±71	19.9%	±0.4	3,762	±41	20.6%	±0.2	17,521
75 years and over	±36	8.5%	±0.2	2,734	±56	7.7%	±0.2	1,186	±57	6.9%	±0.3	1,548	±34	8.5%	±0.2	7,267
SUMMARY INDICATORS																
Median age (years)	±0.5	(X)	(X)	44.9	±0.2	(X)	(X)	44.3	±0.5	(X)	(X)	45.6	±0.5	(X)	(X)	50.7
Sex ratio (males per 100 females)	(X)	(X)	(X)	93.8	±1.6	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	96.2
Age dependency ratio	(X)	(X)	(X)	69.6	±0.6	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	92.0
Old-age dependency ratio	(X)	(X)	(X)	34.4	±0.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	57.4
Child dependency ratio	(X)	(X)	(X)	35.3	±0.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	34.6
PERCENT ALLOCATED																
Sex	(X)	(X)	(X)	(X)	(X)	0.1%	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Age	(X)	(X)	(X)	(X)	(X)	1.0%	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)

	Madison County, Tennessee											Fentress County, Tennessee				
	Percent		Male		Percent Male		Female		Percent Female		Total		Percent		Male	
Label	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate
Total population	*****	(X)	(X)	28,746	±147	(X)	(X)	29,888	±147	(X)	(X)	17,994	*****	(X)	(X)	8,893
AGE																
Under 5 years	±74	4.8%	±0.1	1,450	±78	5.0%	±0.3	1,362	±65	4.6%	±0.2	1,063	±70	5.9%	±0.4	514
5 to 9 years	±241	5.8%	±0.4	1,661	±205	5.8%	±0.7	1,738	±177	5.8%	±0.6	990	±186	5.5%	±1.0	512
10 to 14 years	±237	4.5%	±0.4	1,492	±188	5.2%	±0.7	1,125	±167	3.8%	±0.6	1,120	±166	6.2%	±0.9	596
15 to 19 years	±82	4.6%	±0.1	1,378	±26	4.8%	±0.1	1,322	±83	4.4%	±0.3	1,162	±54	6.5%	±0.3	644
20 to 24 years	±79	4.6%	±0.1	1,356	±43	4.7%	±0.1	1,313	±72	4.4%	±0.2	923	±34	5.1%	±0.2	466
25 to 29 years	±151	5.3%	±0.3	1,658	±122	5.8%	±0.4	1,474	±66	4.9%	±0.2	929	±50	5.2%	±0.3	496
30 to 34 years	±133	4.8%	±0.2	1,304	±77	4.5%	±0.3	1,489	±113	5.0%	±0.4	839	±12	4.7%	±0.1	404
35 to 39 years	±289	4.4%	±0.5	1,294	±193	4.5%	±0.7	1,272	±186	4.3%	±0.6	925	±199	5.1%	±1.1	462
40 to 44 years	±301	5.0%	±0.5	1,421	±201	4.9%	±0.7	1,484	±201	5.0%	±0.7	1,046	±202	5.8%	±1.1	509
45 to 49 years	±58	5.5%	±0.1	1,622	±29	5.6%	±0.1	1,632	±53	5.5%	±0.2	1,217	±19	6.8%	±0.2	596
50 to 54 years	±46	6.3%	±0.1	1,778	±37	6.2%	±0.1	1,892	±30	6.3%	±0.1	1,303	±22	7.2%	±0.1	620
55 to 59 years	±358	7.5%	±0.6	1,951	±214	6.8%	±0.7	2,462	±247	8.2%	±0.8	1,413	±177	7.9%	±1.0	735
60 to 64 years	±346	7.1%	±0.6	2,009	±216	7.0%	±0.8	2,174	±241	7.3%	±0.8	1,335	±174	7.4%	±1.0	623
65 to 69 years	±377	9.0%	±0.6	2,412	±238	8.4%	±0.8	2,884	±239	9.6%	±0.8	1,423	±155	7.9%	±0.9	685
70 to 74 years	±375	8.5%	±0.6	2,497	±228	8.7%	±0.8	2,461	±246	8.2%	±0.8	959	±153	5.3%	±0.9	446
75 to 79 years	±293	5.9%	±0.5	1,651	±172	5.7%	±0.6	1,834	±200	6.1%	±0.7	697	±109	3.9%	±0.6	283
80 to 84 years	±287	4.1%	±0.5	1,309	±189	4.6%	±0.7	1,082	±176	3.6%	±0.6	393	±107	2.2%	±0.6	175
85 years and over	±225	2.4%	±0.4	503	±113	1.7%	±0.4	888	±174	3.0%	±0.6	257	±87	1.4%	±0.5	127
SELECTED AGE CATEGORIES																
5 to 14 years	±109	10.3%	±0.2	3,153	±108	11.0%	±0.4	2,863	±90	9.6%	±0.3	2,110	±80	11.7%	±0.4	1,108
15 to 17 years	±40	3.0%	±0.1	882	±10	3.1%	±0.1	859	±41	2.9%	±0.1	743	±19	4.1%	±0.1	392
Under 18 years	±110	18.0%	±0.2	5,485	±113	19.1%	±0.4	5,084	±91	17.0%	±0.3	3,916	±91	21.8%	±0.5	2,014
18 to 24 years	±99	6.2%	±0.2	1,852	±49	6.4%	±0.2	1,776	±86	5.9%	±0.3	1,342	±49	7.5%	±0.3	718
15 to 44 years	±120	28.6%	±0.2	8,411	±113	29.3%	±0.4	8,354	±80	28.0%	±0.2	5,824	±68	32.4%	±0.4	2,981
16 years and over	±175	84.1%	±0.3	23,942	±204	83.3%	±0.5	25,355	±147	84.8%	±0.4	14,472	±140	80.4%	±0.8	7,103
18 years and over	±110	82.0%	±0.2	23,261	±168	80.9%	±0.4	24,804	±117	83.0%	±0.3	14,078	±91	78.2%	±0.5	6,879
21 years and over	±228	79.3%	±0.4	22,446	±192	78.1%	±0.5	24,056	±188	80.5%	±0.5	13,425	±170	74.6%	±0.9	6,523
60 years and over	±349	37.0%	±0.6	10,381	±225	36.1%	±0.8	11,323	±256	37.9%	±0.8	5,064	±171	28.1%	±1.0	2,339
62 years and over	±406	34.8%	±0.7	9,761	±228	34.0%	±0.8	10,635	±271	35.6%	±0.9	4,561	±162	25.3%	±0.9	2,127
65 years and over	±79	29.9%	±0.1	8,372	±95	29.1%	±0.3	9,149	±72	30.6%	±0.2	3,729	±38	20.7%	±0.2	1,716
75 years and over	±63	12.4%	±0.1	3,463	±57	12.0%	±0.2	3,804	±24	12.7%	±0.1	1,347	±24	7.5%	±0.1	585
SUMMARY INDICATORS																
Median age (years)	±0.2	(X)	(X)	49.3	±0.4	(X)	(X)	51.9	±0.5	(X)	(X)	45.0	±0.4	(X)	(X)	43.6
Sex ratio (males per 100 females)	±1.0	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	97.7	±1.9	(X)	(X)	(X)
Age dependency ratio	±0.9	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	73.9	±1.4	(X)	(X)	(X)
Old-age dependency ratio	±0.5	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	36.0	±0.5	(X)	(X)	(X)
Child dependency ratio	±0.5	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	37.8	±1.2	(X)	(X)	(X)
PERCENT ALLOCATED																
Sex	(X)	0.0%	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.3%	(X)	(X)
Age	(X)	1.3%	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.5%	(X)	(X)

Grainger County, Tennessee																
Label	Margin of Error	Percent Male		Female		Percent Female		Total		Percent		Male		Percent Male		Female
		Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate
Total population	±85	(X)	(X)	9,101	±85	(X)	(X)	23,013	*****	(X)	(X)	11,465	±90	(X)	(X)	11,548
AGE																
Under 5 years	±64	5.8%	±0.7	549	±44	6.0%	±0.5	1,091	±76	4.7%	±0.3	563	±72	4.9%	±0.6	528
5 to 9 years	±138	5.8%	±1.5	478	±106	5.3%	±1.2	1,375	±154	6.0%	±0.7	688	±100	6.0%	±0.9	687
10 to 14 years	±115	6.7%	±1.3	524	±106	5.8%	±1.2	1,357	±168	5.9%	±0.7	746	±113	6.5%	±1.0	611
15 to 19 years	±52	7.2%	±0.6	518	±14	5.7%	±0.2	1,447	±121	6.3%	±0.5	711	±39	6.2%	±0.3	736
20 to 24 years	±19	5.2%	±0.2	457	±28	5.0%	±0.3	1,227	±93	5.3%	±0.4	634	±54	5.5%	±0.5	593
25 to 29 years	±50	5.6%	±0.6	433	±19	4.8%	±0.1	1,175	±25	5.1%	±0.1	601	±23	5.2%	±0.1	574
30 to 34 years	±19	4.5%	±0.1	435	±12	4.8%	±0.1	1,230	±115	5.3%	±0.5	645	±121	5.6%	±1.0	585
35 to 39 years	±118	5.2%	±1.3	463	±126	5.1%	±1.4	1,321	±210	5.7%	±0.9	625	±161	5.5%	±1.4	696
40 to 44 years	±121	5.7%	±1.4	537	±126	5.9%	±1.4	1,416	±190	6.2%	±0.8	788	±144	6.9%	±1.3	628
45 to 49 years	±19	6.7%	±0.1	621	±19	6.8%	±0.1	1,703	±43	7.4%	±0.2	835	±23	7.3%	±0.1	868
50 to 54 years	±19	7.0%	±0.1	683	±22	7.5%	±0.2	1,735	±25	7.5%	±0.1	840	±11	7.3%	±0.1	895
55 to 59 years	±127	8.3%	±1.4	678	±105	7.4%	±1.2	1,862	±186	8.1%	±0.8	1,025	±118	8.9%	±1.0	837
60 to 64 years	±103	7.0%	±1.2	712	±123	7.8%	±1.3	1,576	±195	6.8%	±0.8	649	±136	5.7%	±1.2	927
65 to 69 years	±97	7.7%	±1.1	738	±98	8.1%	±1.1	1,731	±147	7.5%	±0.6	857	±98	7.5%	±0.9	874
70 to 74 years	±96	5.0%	±1.1	513	±104	5.6%	±1.1	1,041	±147	4.5%	±0.6	525	±97	4.6%	±0.8	516
75 to 79 years	±77	3.2%	±0.9	414	±75	4.5%	±0.8	851	±153	3.7%	±0.7	348	±86	3.0%	±0.8	503
80 to 84 years	±69	2.0%	±0.8	218	±77	2.4%	±0.8	543	±139	2.4%	±0.6	278	±96	2.4%	±0.8	265
85 years and over	±55	1.4%	±0.6	130	±54	1.4%	±0.6	332	±102	1.4%	±0.4	107	±65	0.9%	±0.6	225
SELECTED AGE CATEGORIES																
5 to 14 years	±81	12.5%	±0.9	1,002	±14	11.0%	±0.2	2,732	±57	11.9%	±0.2	1,434	±51	12.5%	±0.5	1,298
15 to 17 years	±15	4.4%	±0.2	351	±14	3.9%	±0.2	973	±88	4.2%	±0.4	456	±16	4.0%	±0.1	517
Under 18 years	±98	22.6%	±1.0	1,902	±57	20.9%	±0.6	4,796	±72	20.8%	±0.3	2,453	±62	21.4%	±0.5	2,343
18 to 24 years	±51	8.1%	±0.6	624	±28	6.9%	±0.3	1,701	±103	7.4%	±0.4	889	±63	7.8%	±0.6	812
15 to 44 years	±74	33.5%	±0.8	2,843	±33	31.2%	±0.3	7,816	±94	34.0%	±0.4	4,004	±77	34.9%	±0.6	3,812
16 years and over	±115	79.9%	±1.4	7,369	±103	81.0%	±0.9	18,882	±112	82.0%	±0.5	9,273	±114	80.9%	±0.8	9,609
18 years and over	±84	77.4%	±1.0	7,199	±79	79.1%	±0.6	18,217	±72	79.2%	±0.3	9,012	±90	78.6%	±0.5	9,205
21 years and over	±122	73.3%	±1.4	6,902	±118	75.8%	±1.2	17,448	±145	75.8%	±0.6	8,594	±134	75.0%	±1.0	8,854
60 years and over	±102	26.3%	±1.2	2,725	±125	29.9%	±1.3	6,074	±185	26.4%	±0.8	2,764	±134	24.1%	±1.1	3,310
62 years and over	±106	23.9%	±1.2	2,434	±120	26.7%	±1.3	5,286	±155	23.0%	±0.7	2,429	±113	21.2%	±0.9	2,857
65 years and over	±28	19.3%	±0.4	2,013	±25	22.1%	±0.3	4,498	±50	19.5%	±0.2	2,115	±30	18.4%	±0.3	2,383
75 years and over	±24	6.6%	±0.3	762	±6	8.4%	±0.1	1,726	±52	7.5%	±0.2	733	±25	6.4%	±0.2	993
SUMMARY INDICATORS																
Median age (years)	±0.7	(X)	(X)	45.8	±0.5	(X)	(X)	44.6	±0.3	(X)	(X)	43.4	±0.8	(X)	(X)	45.6
Sex ratio (males per 100 females)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	99.3	±1.6	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Age dependency ratio	(X)	(X)	(X)	(X)	(X)	(X)	(X)	67.7	±1.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Old-age dependency ratio	(X)	(X)	(X)	(X)	(X)	(X)	(X)	32.8	±0.5	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Child dependency ratio	(X)	(X)	(X)	(X)	(X)	(X)	(X)	35.0	±0.7	(X)	(X)	(X)	(X)	(X)	(X)	(X)
PERCENT ALLOCATED																
Sex	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1%	(X)	(X)	(X)	(X)	(X)	(X)
Age	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	1.3%	(X)	(X)	(X)	(X)	(X)	(X)

Hamblen County, Tennessee															Hamilton	
Label	Margin of Error	Percent Female		Total		Percent		Male		Percent Male		Female		Percent Female		Total
		Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate
Total population	±90	(X)	(X)	63,740	*****	(X)	(X)	31,141	±163	(X)	(X)	32,599	±163	(X)	(X)	357,546
AGE																
Under 5 years	±33	4.6%	±0.3	3,876	±38	6.1%	±0.1	1,985	±88	6.4%	±0.3	1,891	±93	5.8%	±0.3	20,718
5 to 9 years	±111	5.9%	±1.0	3,800	±375	6.0%	±0.6	2,218	±223	7.1%	±0.7	1,582	±286	4.9%	±0.9	21,014
10 to 14 years	±110	5.3%	±0.9	4,533	±373	7.1%	±0.6	1,919	±231	6.2%	±0.7	2,614	±284	8.0%	±0.9	20,948
15 to 19 years	±114	6.4%	±1.0	4,022	±220	6.3%	±0.3	2,138	±195	6.9%	±0.6	1,884	±166	5.8%	±0.5	21,156
20 to 24 years	±48	5.1%	±0.4	3,860	±232	6.1%	±0.4	2,126	±154	6.8%	±0.5	1,734	±163	5.3%	±0.5	23,240
25 to 29 years	±25	5.0%	±0.2	3,674	±207	5.8%	±0.3	1,698	±110	5.5%	±0.4	1,976	±168	6.1%	±0.5	26,713
30 to 34 years	±45	5.1%	±0.4	3,526	±86	5.5%	±0.1	1,739	±45	5.6%	±0.1	1,787	±78	5.5%	±0.2	23,943
35 to 39 years	±105	6.0%	±0.9	4,258	±412	6.7%	±0.6	2,236	±280	7.2%	±0.9	2,022	±238	6.2%	±0.7	22,698
40 to 44 years	±106	5.4%	±0.9	3,769	±382	5.9%	±0.6	1,854	±264	6.0%	±0.9	1,915	±229	5.9%	±0.7	21,771
45 to 49 years	±43	7.5%	±0.4	4,419	±208	6.9%	±0.3	2,202	±156	7.1%	±0.5	2,217	±141	6.8%	±0.4	22,917
50 to 54 years	±21	7.8%	±0.2	4,378	±169	6.9%	±0.3	2,130	±112	6.8%	±0.4	2,248	±101	6.9%	±0.3	23,926
55 to 59 years	±141	7.2%	±1.2	4,292	±418	6.7%	±0.7	2,223	±254	7.1%	±0.8	2,069	±286	6.3%	±0.9	24,056
60 to 64 years	±140	8.0%	±1.2	3,924	±421	6.2%	±0.7	1,716	±235	5.5%	±0.8	2,208	±310	6.8%	±0.9	24,188
65 to 69 years	±105	7.6%	±0.9	4,050	±335	6.4%	±0.5	1,889	±187	6.1%	±0.6	2,161	±248	6.6%	±0.8	19,355
70 to 74 years	±106	4.5%	±0.9	2,695	±293	4.2%	±0.5	1,196	±168	3.8%	±0.5	1,499	±204	4.6%	±0.6	15,107
75 to 79 years	±116	4.4%	±1.0	2,163	±235	3.4%	±0.4	992	±160	3.2%	±0.5	1,171	±170	3.6%	±0.5	10,577
80 to 84 years	±82	2.3%	±0.7	1,420	±208	2.2%	±0.3	523	±140	1.7%	±0.5	897	±169	2.8%	±0.5	7,266
85 years and over	±77	1.9%	±0.7	1,081	±198	1.7%	±0.3	357	±119	1.1%	±0.4	724	±155	2.2%	±0.5	7,953
SELECTED AGE CATEGORIES																
5 to 14 years	±33	11.2%	±0.3	8,333	±80	13.1%	±0.1	4,137	±40	13.3%	±0.1	4,196	±77	12.9%	±0.2	41,962
15 to 17 years	±91	4.5%	±0.8	2,628	±113	4.1%	±0.2	1,332	±134	4.3%	±0.4	1,296	±115	4.0%	±0.3	12,240
Under 18 years	±76	20.3%	±0.5	14,837	±82	23.3%	±0.1	7,454	±170	23.9%	±0.5	7,383	±140	22.6%	±0.3	74,920
18 to 24 years	±59	7.0%	±0.5	5,254	±205	8.2%	±0.3	2,932	±134	9.4%	±0.4	2,322	±168	7.1%	±0.5	32,156
15 to 44 years	±105	33.0%	±0.8	23,109	±221	36.3%	±0.3	11,791	±209	37.9%	±0.6	11,318	±184	34.7%	±0.5	139,521
16 years and over	±76	83.2%	±0.8	50,675	±181	79.5%	±0.3	24,651	±193	79.2%	±0.5	26,024	±168	79.8%	±0.5	291,022
18 years and over	±57	79.7%	±0.5	48,903	±82	76.7%	±0.1	23,687	±117	76.1%	±0.5	25,216	±93	77.4%	±0.3	282,626
21 years and over	±99	76.7%	±0.9	46,684	±358	73.2%	±0.6	22,289	±275	71.6%	±1.0	24,395	±196	74.8%	±0.6	268,006
60 years and over	±147	28.7%	±1.3	15,333	±423	24.1%	±0.7	6,673	±261	21.4%	±0.8	8,660	±280	26.6%	±0.8	84,446
62 years and over	±109	24.7%	±0.9	13,722	±392	21.5%	±0.6	5,958	±209	19.1%	±0.7	7,764	±276	23.8%	±0.8	74,885
65 years and over	±46	20.6%	±0.4	11,409	±188	17.9%	±0.3	4,957	±113	15.9%	±0.4	6,452	±148	19.8%	±0.5	60,258
75 years and over	±47	8.6%	±0.4	4,664	±84	7.3%	±0.1	1,872	±66	6.0%	±0.2	2,792	±44	8.6%	±0.1	25,796
SUMMARY INDICATORS																
Median age (years)	±0.4	(X)	(X)	40.4	±0.5	(X)	(X)	39.2	±0.6	(X)	(X)	41.8	±0.4	(X)	(X)	39.6
Sex ratio (males per 100 females)	(X)	(X)	(X)	95.5	±1.0	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	93.2
Age dependency ratio	(X)	(X)	(X)	70.0	±0.8	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	60.8
Old-age dependency ratio	(X)	(X)	(X)	30.4	±0.6	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	27.1
Child dependency ratio	(X)	(X)	(X)	39.6	±0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	33.7
PERCENT ALLOCATED																
Sex	(X)	(X)	(X)	(X)	(X)	0.0%	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Age	(X)	(X)	(X)	(X)	(X)	0.7%	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)

	County, Tennessee											Jefferson County, Tennessee				
	Percent			Male		Percent Male		Female		Percent Female		Total		Percent		Male
Label	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate
Total population	*****	(X)	(X)	172,447	±87	(X)	(X)	185,099	±87	(X)	(X)	53,247	*****	(X)	(X)	26,099
AGE																
Under 5 years	±43	5.8%	±0.1	10,568	±24	6.1%	±0.1	10,150	±38	5.5%	±0.1	2,557	±131	4.8%	±0.2	1,233
5 to 9 years	±773	5.9%	±0.2	10,818	±577	6.3%	±0.3	10,196	±490	5.5%	±0.3	3,205	±268	6.0%	±0.5	1,743
10 to 14 years	±771	5.9%	±0.2	10,629	±574	6.2%	±0.3	10,319	±492	5.6%	±0.3	2,991	±249	5.6%	±0.5	1,529
15 to 19 years	±81	5.9%	±0.1	10,441	±90	6.1%	±0.1	10,715	±79	5.8%	±0.1	3,679	±142	6.9%	±0.3	1,909
20 to 24 years	±119	6.5%	±0.1	11,562	±79	6.7%	±0.1	11,678	±72	6.3%	±0.1	3,329	±136	6.3%	±0.3	1,685
25 to 29 years	±64	7.5%	±0.1	13,087	±31	7.6%	±0.1	13,626	±55	7.4%	±0.1	3,080	±94	5.8%	±0.2	1,534
30 to 34 years	±81	6.7%	±0.1	11,906	±45	6.9%	±0.1	12,037	±72	6.5%	±0.1	2,743	±120	5.2%	±0.2	1,340
35 to 39 years	±762	6.3%	±0.2	11,178	±533	6.5%	±0.3	11,520	±506	6.2%	±0.3	2,642	±317	5.0%	±0.6	1,353
40 to 44 years	±780	6.1%	±0.2	10,803	±535	6.3%	±0.3	10,968	±502	5.9%	±0.3	3,518	±310	6.6%	±0.6	1,697
45 to 49 years	±70	6.4%	±0.1	11,154	±48	6.5%	±0.1	11,763	±56	6.4%	±0.1	3,599	±62	6.8%	±0.1	1,757
50 to 54 years	±83	6.7%	±0.1	11,614	±46	6.7%	±0.1	12,312	±50	6.7%	±0.1	3,950	±55	7.4%	±0.1	1,944
55 to 59 years	±823	6.7%	±0.2	11,693	±556	6.8%	±0.3	12,363	±560	6.7%	±0.3	3,850	±332	7.2%	±0.6	1,927
60 to 64 years	±823	6.8%	±0.2	11,037	±556	6.4%	±0.3	13,151	±560	7.1%	±0.3	3,792	±319	7.1%	±0.6	1,735
65 to 69 years	±625	5.4%	±0.2	9,500	±424	5.5%	±0.2	9,855	±423	5.3%	±0.2	3,459	±279	6.5%	±0.5	1,400
70 to 74 years	±632	4.2%	±0.2	6,550	±429	3.8%	±0.2	8,557	±417	4.6%	±0.2	2,794	±291	5.2%	±0.5	1,545
75 to 79 years	±624	3.0%	±0.2	4,681	±370	2.7%	±0.2	5,896	±398	3.2%	±0.2	1,526	±202	2.9%	±0.4	769
80 to 84 years	±494	2.0%	±0.1	2,752	±298	1.6%	±0.2	4,514	±378	2.4%	±0.2	1,476	±191	2.8%	±0.4	610
85 years and over	±567	2.2%	±0.2	2,474	±328	1.4%	±0.2	5,479	±444	3.0%	±0.2	1,057	±186	2.0%	±0.3	389
SELECTED AGE CATEGORIES																
5 to 14 years	±68	11.7%	±0.1	21,447	±52	12.4%	±0.1	20,515	±40	11.1%	±0.1	6,196	±156	11.6%	±0.3	3,272
15 to 17 years	±45	3.4%	±0.1	6,260	±81	3.6%	±0.1	5,980	±79	3.2%	±0.1	2,117	±91	4.0%	±0.2	1,078
Under 18 years	±23	21.0%	±0.1	38,275	±92	22.2%	±0.1	36,645	±86	19.8%	±0.1	10,870	±60	20.4%	±0.1	5,583
18 to 24 years	±103	9.0%	±0.1	15,743	±66	9.1%	±0.1	16,413	±72	8.9%	±0.1	4,891	±146	9.2%	±0.3	2,516
15 to 44 years	±109	39.0%	±0.1	68,977	±95	40.0%	±0.1	70,544	±115	38.1%	±0.1	18,991	±110	35.7%	±0.2	9,518
16 years and over	±394	81.4%	±0.1	138,446	±280	80.3%	±0.2	152,576	±263	82.4%	±0.1	43,766	±161	82.2%	±0.3	21,314
18 years and over	±23	79.0%	±0.1	134,172	±26	77.8%	±0.1	148,454	±11	80.2%	±0.1	42,377	±60	79.6%	±0.1	20,516
21 years and over	±525	75.0%	±0.1	126,986	±463	73.6%	±0.3	141,020	±279	76.2%	±0.2	40,080	±215	75.3%	±0.4	19,382
60 years and over	±823	23.6%	±0.2	36,994	±555	21.5%	±0.3	47,452	±561	25.6%	±0.3	14,104	±324	26.5%	±0.6	6,448
62 years and over	±776	20.9%	±0.2	32,614	±471	18.9%	±0.3	42,271	±510	22.8%	±0.3	12,559	±300	23.6%	±0.6	5,731
65 years and over	±15	16.9%	±0.1	25,957	±12	15.1%	±0.1	34,301	±9	18.5%	±0.1	10,312	±77	19.4%	±0.1	4,713
75 years and over	±211	7.2%	±0.1	9,907	±170	5.7%	±0.1	15,889	±92	8.6%	±0.1	4,059	±47	7.6%	±0.1	1,768
SUMMARY INDICATORS																
Median age (years)	±0.2	(X)	(X)	38.1	±0.3	(X)	(X)	41.1	±0.2	(X)	(X)	43.4	±0.3	(X)	(X)	42.0
Sex ratio (males per 100 females)	±0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	96.1	±1.2	(X)	(X)	(X)
Age dependency ratio	±0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	66.1	±0.5	(X)	(X)	(X)
Old-age dependency ratio	±0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	32.2	±0.3	(X)	(X)	(X)
Child dependency ratio	±0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	33.9	±0.3	(X)	(X)	(X)
PERCENT ALLOCATED																
Sex	(X)	0.1%	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0%	(X)	(X)
Age	(X)	1.5%	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.7%	(X)	(X)

Knox County, Tennessee																
Label	Margin of Error	Percent Male		Female		Percent Female		Total		Percent		Male		Percent Male		Female
		Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate
Total population	±159	(X)	(X)	27,148	±159	(X)	(X)	456,185	*****	(X)	(X)	221,667	±104	(X)	(X)	234,518
AGE																
Under 5 years	±70	4.7%	±0.3	1,324	±113	4.9%	±0.4	26,296	±98	5.8%	±0.1	13,460	±93	6.1%	±0.1	12,836
5 to 9 years	±206	6.7%	±0.8	1,462	±175	5.4%	±0.6	27,351	±829	6.0%	±0.2	14,131	±600	6.4%	±0.3	13,220
10 to 14 years	±206	5.9%	±0.8	1,462	±168	5.4%	±0.6	26,741	±827	5.9%	±0.2	13,472	±602	6.1%	±0.3	13,269
15 to 19 years	±91	7.3%	±0.3	1,770	±88	6.5%	±0.3	30,427	±142	6.7%	±0.1	15,476	±23	7.0%	±0.1	14,951
20 to 24 years	±109	6.5%	±0.4	1,644	±69	6.1%	±0.3	41,279	±158	9.0%	±0.1	20,872	±104	9.4%	±0.1	20,407
25 to 29 years	±71	5.9%	±0.3	1,546	±70	5.7%	±0.3	31,318	±113	6.9%	±0.1	15,481	±102	7.0%	±0.1	15,837
30 to 34 years	±72	5.1%	±0.3	1,403	±76	5.2%	±0.3	30,211	±73	6.6%	±0.1	14,697	±53	6.6%	±0.1	15,514
35 to 39 years	±210	5.2%	±0.8	1,289	±208	4.7%	±0.8	29,306	±1,013	6.4%	±0.2	13,919	±725	6.3%	±0.3	15,387
40 to 44 years	±211	6.5%	±0.8	1,821	±203	6.7%	±0.7	27,483	±1,000	6.0%	±0.2	14,088	±712	6.4%	±0.3	13,395
45 to 49 years	±46	6.7%	±0.2	1,842	±48	6.8%	±0.2	29,290	±80	6.4%	±0.1	14,418	±80	6.5%	±0.1	14,872
50 to 54 years	±31	7.4%	±0.1	2,006	±42	7.4%	±0.2	30,287	±89	6.6%	±0.1	14,632	±88	6.6%	±0.1	15,655
55 to 59 years	±210	7.4%	±0.8	1,923	±234	7.1%	±0.9	29,605	±807	6.5%	±0.2	13,622	±485	6.1%	±0.2	15,983
60 to 64 years	±208	6.6%	±0.8	2,057	±238	7.6%	±0.9	27,518	±807	6.0%	±0.2	13,578	±484	6.1%	±0.2	13,940
65 to 69 years	±165	5.4%	±0.6	2,059	±175	7.6%	±0.6	23,188	±693	5.1%	±0.2	10,816	±409	4.9%	±0.2	12,372
70 to 74 years	±165	5.9%	±0.6	1,249	±185	4.6%	±0.7	17,445	±688	3.8%	±0.2	7,825	±404	3.5%	±0.2	9,620
75 to 79 years	±140	2.9%	±0.5	757	±138	2.8%	±0.5	11,880	±482	2.6%	±0.1	5,081	±322	2.3%	±0.1	6,799
80 to 84 years	±133	2.3%	±0.5	866	±176	3.2%	±0.6	8,246	±463	1.8%	±0.1	3,469	±317	1.6%	±0.1	4,777
85 years and over	±105	1.5%	±0.4	668	±148	2.5%	±0.5	8,314	±468	1.8%	±0.1	2,630	±291	1.2%	±0.1	5,684
SELECTED AGE CATEGORIES																
5 to 14 years	±141	12.5%	±0.5	2,924	±88	10.8%	±0.3	54,092	±106	11.9%	±0.1	27,603	±84	12.5%	±0.1	26,489
15 to 17 years	±63	4.1%	±0.2	1,039	±79	3.8%	±0.3	16,438	±60	3.6%	±0.1	8,416	±15	3.8%	±0.1	8,022
Under 18 years	±150	21.4%	±0.5	5,287	±146	19.5%	±0.4	96,826	±82	21.2%	±0.1	49,479	±65	22.3%	±0.1	47,347
18 to 24 years	±113	9.6%	±0.4	2,375	±88	8.7%	±0.3	55,268	±111	12.1%	±0.1	27,932	±101	12.6%	±0.1	27,336
15 to 44 years	±87	36.5%	±0.3	9,473	±107	34.9%	±0.4	190,024	±130	41.7%	±0.1	94,533	±113	42.6%	±0.1	95,491
16 years and over	±107	81.7%	±0.5	22,452	±151	82.7%	±0.6	370,217	±380	81.2%	±0.1	177,724	±274	80.2%	±0.1	192,493
18 years and over	±60	78.6%	±0.5	21,861	±79	80.5%	±0.4	359,359	±82	78.8%	±0.1	172,188	±92	77.7%	±0.1	187,171
21 years and over	±149	74.3%	±0.6	20,698	±143	76.2%	±0.7	336,019	±776	73.7%	±0.2	160,309	±529	72.3%	±0.2	175,710
60 years and over	±212	24.7%	±0.8	7,656	±244	28.2%	±0.9	96,591	±811	21.2%	±0.2	43,399	±484	19.6%	±0.2	53,192
62 years and over	±178	22.0%	±0.7	6,828	±228	25.2%	±0.8	85,591	±677	18.8%	±0.1	37,783	±455	17.0%	±0.2	47,808
65 years and over	±51	18.1%	±0.2	5,599	±79	20.6%	±0.3	69,073	±79	15.1%	±0.1	29,821	±79	13.5%	±0.1	39,252
75 years and over	±34	6.8%	±0.1	2,291	±47	8.4%	±0.2	28,440	±170	6.2%	±0.1	11,180	±151	5.0%	±0.1	17,260
SUMMARY INDICATORS																
Median age (years)	±0.5	(X)	(X)	44.6	±0.4	(X)	(X)	37.3	±0.2	(X)	(X)	36.1	±0.1	(X)	(X)	38.6
Sex ratio (males per 100 females)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	94.5	±0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Age dependency ratio	(X)	(X)	(X)	(X)	(X)	(X)	(X)	57.2	±0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Old-age dependency ratio	(X)	(X)	(X)	(X)	(X)	(X)	(X)	23.8	±0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Child dependency ratio	(X)	(X)	(X)	(X)	(X)	(X)	(X)	33.4	±0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)
PERCENT ALLOCATED																
Sex	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1%	(X)	(X)	(X)	(X)	(X)	(X)
Age	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	1.4%	(X)	(X)	(X)	(X)	(X)	(X)

Loudon County, Tennessee																McMinn Co
Label	Margin of Error	Percent Female		Total		Percent		Male		Percent Male		Female		Percent Female		Total
		Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate
Total population	±104	(X)	(X)	51,610	*****	(X)	(X)	25,234	±145	(X)	(X)	26,376	±145	(X)	(X)	52,773
AGE																
Under 5 years	±67	5.5%	±0.1	2,695	±79	5.2%	±0.2	1,398	±50	5.5%	±0.2	1,297	±54	4.9%	±0.2	2,864
5 to 9 years	±614	5.6%	±0.3	2,875	±302	5.6%	±0.6	1,431	±201	5.7%	±0.8	1,444	±188	5.5%	±0.7	2,878
10 to 14 years	±606	5.7%	±0.3	2,873	±303	5.6%	±0.6	1,468	±197	5.8%	±0.8	1,405	±193	5.3%	±0.7	3,534
15 to 19 years	±138	6.4%	±0.1	2,810	±154	5.4%	±0.3	1,441	±127	5.7%	±0.5	1,369	±128	5.2%	±0.5	3,298
20 to 24 years	±123	8.7%	±0.1	2,593	±166	5.0%	±0.3	1,336	±97	5.3%	±0.4	1,257	±141	4.8%	±0.5	2,987
25 to 29 years	±49	6.8%	±0.1	2,472	±146	4.8%	±0.3	1,254	±114	5.0%	±0.5	1,218	±105	4.6%	±0.4	2,948
30 to 34 years	±43	6.6%	±0.1	2,529	±87	4.9%	±0.2	1,240	±36	4.9%	±0.1	1,289	±73	4.9%	±0.3	3,057
35 to 39 years	±593	6.6%	±0.3	2,883	±325	5.6%	±0.6	1,489	±220	5.9%	±0.9	1,394	±193	5.3%	±0.7	2,843
40 to 44 years	±594	5.7%	±0.3	2,578	±285	5.0%	±0.6	1,164	±173	4.6%	±0.7	1,414	±197	5.4%	±0.7	3,572
45 to 49 years	±3	6.3%	±0.1	3,123	±125	6.1%	±0.2	1,544	±92	6.1%	±0.4	1,579	±88	6.0%	±0.3	3,596
50 to 54 years	±2	6.7%	±0.1	3,321	±111	6.4%	±0.2	1,629	±77	6.5%	±0.3	1,692	±69	6.4%	±0.3	3,649
55 to 59 years	±609	6.8%	±0.3	3,598	±340	7.0%	±0.7	1,729	±246	6.9%	±1.0	1,869	±204	7.1%	±0.8	3,993
60 to 64 years	±609	5.9%	±0.3	4,125	±311	8.0%	±0.6	1,953	±226	7.7%	±0.9	2,172	±199	8.2%	±0.8	3,446
65 to 69 years	±458	5.3%	±0.2	4,438	±383	8.6%	±0.7	2,194	±214	8.7%	±0.8	2,244	±279	8.5%	±1.1	3,355
70 to 74 years	±464	4.1%	±0.2	3,458	±378	6.7%	±0.7	1,606	±193	6.4%	±0.8	1,852	±276	7.0%	±1.0	2,584
75 to 79 years	±397	2.9%	±0.2	2,327	±265	4.5%	±0.5	1,100	±202	4.4%	±0.8	1,227	±194	4.7%	±0.7	2,019
80 to 84 years	±330	2.0%	±0.1	1,741	±242	3.4%	±0.5	860	±176	3.4%	±0.7	881	±180	3.3%	±0.7	1,289
85 years and over	±359	2.4%	±0.2	1,171	±244	2.3%	±0.5	398	±142	1.6%	±0.6	773	±185	2.9%	±0.7	861
SELECTED AGE CATEGORIES																
5 to 14 years	±58	11.3%	±0.1	5,748	±113	11.1%	±0.2	2,899	±71	11.5%	±0.3	2,849	±82	10.8%	±0.3	6,412
15 to 17 years	±55	3.4%	±0.1	1,808	±65	3.5%	±0.1	940	±87	3.7%	±0.3	868	±104	3.3%	±0.4	2,034
Under 18 years	±89	20.2%	±0.1	10,251	±89	19.9%	±0.2	5,237	±90	20.8%	±0.3	5,014	±129	19.0%	±0.4	11,310
18 to 24 years	±58	11.7%	±0.1	3,595	±177	7.0%	±0.3	1,837	±126	7.3%	±0.5	1,758	±124	6.7%	±0.5	4,251
15 to 44 years	±75	40.7%	±0.1	15,865	±185	30.7%	±0.4	7,924	±142	31.4%	±0.5	7,941	±138	30.1%	±0.5	18,705
16 years and over	±304	82.1%	±0.1	42,654	±149	82.6%	±0.3	20,672	±181	81.9%	±0.5	21,982	±184	83.3%	±0.5	42,660
18 years and over	±45	79.8%	±0.1	41,359	±89	80.1%	±0.2	19,997	±100	79.2%	±0.3	21,362	±116	81.0%	±0.4	41,463
21 years and over	±545	74.9%	±0.2	39,846	±248	77.2%	±0.5	19,177	±184	76.0%	±0.7	20,669	±223	78.4%	±0.7	39,659
60 years and over	±609	22.7%	±0.3	17,260	±329	33.4%	±0.6	8,111	±234	32.1%	±0.9	9,149	±216	34.7%	±0.8	13,554
62 years and over	±500	20.4%	±0.2	15,624	±310	30.3%	±0.6	7,344	±207	29.1%	±0.8	8,280	±208	31.4%	±0.8	12,050
65 years and over	±29	16.7%	±0.1	13,135	±104	25.5%	±0.2	6,158	±109	24.4%	±0.4	6,977	±94	26.5%	±0.3	10,108
75 years and over	±54	7.4%	±0.1	5,239	±82	10.2%	±0.2	2,358	±93	9.3%	±0.3	2,881	±51	10.9%	±0.2	4,169
SUMMARY INDICATORS																
Median age (years)	±0.2	(X)	(X)	47.5	±0.3	(X)	(X)	45.9	±0.7	(X)	(X)	48.6	±0.4	(X)	(X)	42.7
Sex ratio (males per 100 females)	(X)	(X)	(X)	95.7	±1.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	93.8
Age dependency ratio	(X)	(X)	(X)	82.9	±0.8	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	68.3
Old-age dependency ratio	(X)	(X)	(X)	46.5	±0.5	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	32.2
Child dependency ratio	(X)	(X)	(X)	36.3	±0.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	36.1
PERCENT ALLOCATED																
Sex	(X)	(X)	(X)	(X)	(X)	0.2%	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Age	(X)	(X)	(X)	(X)	(X)	1.7%	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)

	County, Tennessee											Marion County, Tennessee				
	Percent		Male		Percent Male		Female		Percent Female		Total		Percent		Male	
Label	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate
Total population	*****	(X)	(X)	25,537	±173	(X)	(X)	27,236	±173	(X)	(X)	28,417	*****	(X)	(X)	13,832
AGE																
Under 5 years	±44	5.4%	±0.1	1,436	±93	5.6%	±0.4	1,428	±78	5.2%	±0.3	1,661	±38	5.8%	±0.1	834
5 to 9 years	±308	5.5%	±0.6	1,584	±200	6.2%	±0.8	1,294	±185	4.8%	±0.7	1,601	±166	5.6%	±0.6	910
10 to 14 years	±311	6.7%	±0.6	1,639	±200	6.4%	±0.8	1,895	±193	7.0%	±0.7	1,705	±167	6.0%	±0.6	779
15 to 19 years	±102	6.2%	±0.2	1,688	±64	6.6%	±0.2	1,610	±84	5.9%	±0.3	1,617	±26	5.7%	±0.1	819
20 to 24 years	±79	5.7%	±0.1	1,531	±65	6.0%	±0.3	1,456	±59	5.3%	±0.2	1,540	±74	5.4%	±0.3	801
25 to 29 years	±95	5.6%	±0.2	1,418	±53	5.6%	±0.2	1,530	±79	5.6%	±0.3	1,774	±100	6.2%	±0.4	852
30 to 34 years	±136	5.8%	±0.3	1,492	±103	5.8%	±0.4	1,565	±116	5.7%	±0.4	1,575	±67	5.5%	±0.2	777
35 to 39 years	±320	5.4%	±0.6	1,190	±203	4.7%	±0.8	1,653	±260	6.1%	±1.0	1,474	±216	5.2%	±0.8	866
40 to 44 years	±291	6.8%	±0.6	1,824	±223	7.1%	±0.9	1,748	±249	6.4%	±0.9	1,901	±207	6.7%	±0.7	809
45 to 49 years	±130	6.8%	±0.2	1,742	±69	6.8%	±0.3	1,854	±113	6.8%	±0.4	1,856	±45	6.5%	±0.2	916
50 to 54 years	±105	6.9%	±0.2	1,836	±96	7.2%	±0.4	1,813	±38	6.7%	±0.1	2,057	±56	7.2%	±0.2	1,004
55 to 59 years	±320	7.6%	±0.6	1,737	±208	6.8%	±0.8	2,256	±227	8.3%	±0.8	2,079	±220	7.3%	±0.8	952
60 to 64 years	±317	6.5%	±0.6	1,851	±224	7.2%	±0.9	1,595	±222	5.9%	±0.8	2,144	±209	7.5%	±0.7	1,057
65 to 69 years	±291	6.4%	±0.6	1,712	±202	6.7%	±0.8	1,643	±186	6.0%	±0.7	1,808	±257	6.4%	±0.9	959
70 to 74 years	±259	4.9%	±0.5	1,122	±181	4.4%	±0.7	1,462	±162	5.4%	±0.6	1,512	±261	5.3%	±0.9	610
75 to 79 years	±208	3.8%	±0.4	889	±139	3.5%	±0.5	1,130	±154	4.1%	±0.6	886	±151	3.1%	±0.5	386
80 to 84 years	±211	2.4%	±0.4	611	±133	2.4%	±0.5	678	±135	2.5%	±0.5	774	±148	2.7%	±0.5	323
85 years and over	±188	1.6%	±0.4	235	±86	0.9%	±0.3	626	±148	2.3%	±0.5	453	±129	1.6%	±0.5	178
SELECTED AGE CATEGORIES																
5 to 14 years	±113	12.2%	±0.2	3,223	±25	12.6%	±0.1	3,189	±115	11.7%	±0.4	3,306	±37	11.6%	±0.1	1,689
15 to 17 years	±41	3.9%	±0.1	1,035	±41	4.1%	±0.2	999	±45	3.7%	±0.2	1,077	±13	3.8%	±0.1	544
Under 18 years	±102	21.4%	±0.2	5,694	±96	22.3%	±0.3	5,616	±127	20.6%	±0.4	6,044	±29	21.3%	±0.1	3,067
18 to 24 years	±114	8.1%	±0.2	2,184	±83	8.6%	±0.3	2,067	±71	7.6%	±0.3	2,080	±71	7.3%	±0.2	1,076
15 to 44 years	±190	35.4%	±0.4	9,143	±114	35.8%	±0.4	9,562	±165	35.1%	±0.6	9,881	±94	34.8%	±0.3	4,924
16 years and over	±230	80.8%	±0.4	20,419	±213	80.0%	±0.6	22,241	±166	81.7%	±0.7	23,226	±65	81.7%	±0.2	11,219
18 years and over	±102	78.6%	±0.2	19,843	±160	77.7%	±0.3	21,620	±103	79.4%	±0.4	22,373	±29	78.7%	±0.1	10,765
21 years and over	±190	75.2%	±0.4	18,916	±192	74.1%	±0.5	20,743	±152	76.2%	±0.6	21,687	±94	76.3%	±0.3	10,407
60 years and over	±359	25.7%	±0.7	6,420	±233	25.1%	±0.9	7,134	±254	26.2%	±1.0	7,577	±207	26.7%	±0.7	3,513
62 years and over	±294	22.8%	±0.6	5,596	±200	21.9%	±0.8	6,454	±209	23.7%	±0.8	6,722	±185	23.7%	±0.7	3,055
65 years and over	±147	19.2%	±0.3	4,569	±93	17.9%	±0.3	5,539	±117	20.3%	±0.5	5,433	±39	19.1%	±0.1	2,456
75 years and over	±80	7.9%	±0.2	1,735	±55	6.8%	±0.2	2,434	±48	8.9%	±0.2	2,113	±47	7.4%	±0.2	887
SUMMARY INDICATORS																
Median age (years)	±0.5	(X)	(X)	42.6	±0.5	(X)	(X)	42.9	±0.7	(X)	(X)	43.1	±0.4	(X)	(X)	41.7
Sex ratio (males per 100 females)	±1.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	94.8	±1.3	(X)	(X)	(X)
Age dependency ratio	±0.7	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	67.8	±0.5	(X)	(X)	(X)
Old-age dependency ratio	±0.6	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	32.1	±0.3	(X)	(X)	(X)
Child dependency ratio	±0.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	35.7	±0.2	(X)	(X)	(X)
PERCENT ALLOCATED																
Sex	(X)	0.1%	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0%	(X)	(X)
Age	(X)	1.1%	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.6%	(X)	(X)

Meigs County, Tennessee																
Label	Margin of Error	Percent Male		Female		Percent Female		Total		Percent		Male		Percent Male		Female
		Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate
Total population	±99	(X)	(X)	14,585	±99	(X)	(X)	11,962	*****	(X)	(X)	5,937	±69	(X)	(X)	6,025
AGE																
Under 5 years	±49	6.0%	±0.3	827	±65	5.7%	±0.4	641	±42	5.4%	±0.4	283	±19	4.8%	±0.1	358
5 to 9 years	±130	6.6%	±0.9	691	±143	4.7%	±1.0	533	±98	4.5%	±0.8	338	±80	5.7%	±1.3	195
10 to 14 years	±128	5.6%	±0.9	926	±138	6.3%	±0.9	884	±114	7.4%	±1.0	363	±80	6.1%	±1.3	521
15 to 19 years	±22	5.9%	±0.2	798	±28	5.5%	±0.2	742	±40	6.2%	±0.3	402	±40	6.8%	±0.7	340
20 to 24 years	±64	5.8%	±0.4	739	±33	5.1%	±0.2	573	±30	4.8%	±0.3	287	±19	4.8%	±0.1	286
25 to 29 years	±46	6.2%	±0.3	922	±85	6.3%	±0.6	610	±30	5.1%	±0.3	311	±30	5.2%	±0.5	299
30 to 34 years	±39	5.6%	±0.3	798	±56	5.5%	±0.4	596	±42	5.0%	±0.3	323	±42	5.4%	±0.7	273
35 to 39 years	±147	6.3%	±1.1	608	±127	4.2%	±0.9	775	±113	6.5%	±0.9	392	±68	6.6%	±1.1	383
40 to 44 years	±146	5.8%	±1.1	1,092	±116	7.5%	±0.8	652	±113	5.5%	±0.9	320	±66	5.4%	±1.1	332
45 to 49 years	±23	6.6%	±0.2	940	±38	6.4%	±0.3	831	±31	6.9%	±0.3	415	±20	7.0%	±0.3	416
50 to 54 years	±35	7.3%	±0.3	1,053	±41	7.2%	±0.3	892	±21	7.5%	±0.2	429	±19	7.2%	±0.1	463
55 to 59 years	±153	6.9%	±1.1	1,127	±135	7.7%	±0.9	845	±107	7.1%	±0.9	419	±70	7.1%	±1.2	426
60 to 64 years	±152	7.6%	±1.1	1,087	±124	7.5%	±0.8	926	±131	7.7%	±1.1	431	±75	7.3%	±1.2	495
65 to 69 years	±132	6.9%	±1.0	849	±171	5.8%	±1.2	941	±99	7.9%	±0.8	504	±77	8.5%	±1.3	437
70 to 74 years	±129	4.4%	±0.9	902	±180	6.2%	±1.2	680	±100	5.7%	±0.8	333	±74	5.6%	±1.2	347
75 to 79 years	±99	2.8%	±0.7	500	±103	3.4%	±0.7	406	±71	3.4%	±0.6	207	±52	3.5%	±0.9	199
80 to 84 years	±91	2.3%	±0.7	451	±105	3.1%	±0.7	277	±72	2.3%	±0.6	138	±59	2.3%	±1.0	139
85 years and over	±77	1.3%	±0.6	275	±86	1.9%	±0.6	158	±64	1.3%	±0.5	42	±32	0.7%	±0.5	116
SELECTED AGE CATEGORIES																
5 to 14 years	±49	12.2%	±0.3	1,617	±52	11.1%	±0.3	1,417	±75	11.8%	±0.6	701	±42	11.8%	±0.6	716
15 to 17 years	±21	3.9%	±0.1	533	±20	3.7%	±0.1	511	±39	4.3%	±0.3	278	±39	4.7%	±0.6	233
Under 18 years	±75	22.2%	±0.4	2,977	±77	20.4%	±0.4	2,569	±96	21.5%	±0.8	1,262	±75	21.3%	±1.2	1,307
18 to 24 years	±65	7.8%	±0.4	1,004	±32	6.9%	±0.2	804	±32	6.7%	±0.3	411	±12	6.9%	±0.2	393
15 to 44 years	±82	35.6%	±0.5	4,957	±80	34.0%	±0.5	3,948	±52	33.0%	±0.4	2,035	±45	34.3%	±0.7	1,913
16 years and over	±76	81.1%	±0.5	12,007	±88	82.3%	±0.5	9,740	±90	81.4%	±0.7	4,854	±76	81.8%	±1.2	4,886
18 years and over	±69	77.8%	±0.4	11,608	±72	79.6%	±0.4	9,393	±96	78.5%	±0.8	4,675	±77	78.7%	±1.2	4,718
21 years and over	±67	75.2%	±0.6	11,280	±92	77.3%	±0.5	9,089	±109	76.0%	±0.9	4,523	±86	76.2%	±1.3	4,566
60 years and over	±148	25.4%	±1.1	4,064	±126	27.9%	±0.9	3,388	±124	28.3%	±1.0	1,655	±77	27.9%	±1.3	1,733
62 years and over	±121	22.1%	±0.8	3,667	±138	25.1%	±0.9	2,997	±106	25.1%	±0.9	1,512	±79	25.5%	±1.3	1,485
65 years and over	±21	17.8%	±0.2	2,977	±29	20.4%	±0.2	2,462	±66	20.6%	±0.5	1,224	±37	20.6%	±0.7	1,238
75 years and over	±30	6.4%	±0.2	1,226	±32	8.4%	±0.2	841	±43	7.0%	±0.4	387	±19	6.5%	±0.3	454
SUMMARY INDICATORS																
Median age (years)	±0.8	(X)	(X)	44.5	±0.4	(X)	(X)	44.7	±0.7	(X)	(X)	44.0	±0.6	(X)	(X)	45.7
Sex ratio (males per 100 females)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	98.5	±2.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Age dependency ratio	(X)	(X)	(X)	(X)	(X)	(X)	(X)	72.6	±2.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Old-age dependency ratio	(X)	(X)	(X)	(X)	(X)	(X)	(X)	35.5	±1.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Child dependency ratio	(X)	(X)	(X)	(X)	(X)	(X)	(X)	37.1	±1.8	(X)	(X)	(X)	(X)	(X)	(X)	(X)
PERCENT ALLOCATED																
Sex	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0%	(X)	(X)	(X)	(X)	(X)	(X)
Age	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.5%	(X)	(X)	(X)	(X)	(X)	(X)

Monroe County, Tennessee																Rhea Cou
Label	Margin of Error	Percent Female		Total		Percent		Male		Percent Male		Female		Percent Female		Total
		Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate
Total population	±69	(X)	(X)	45,876	*****	(X)	(X)	22,701	±225	(X)	(X)	23,175	±225	(X)	(X)	32,628
AGE																
Under 5 years	±42	5.9%	±0.7	2,612	±171	5.7%	±0.4	1,267	±117	5.6%	±0.5	1,345	±134	5.8%	±0.5	2,048
5 to 9 years	±63	3.2%	±1.0	2,646	±270	5.8%	±0.6	1,355	±233	6.0%	±1.0	1,291	±218	5.6%	±0.9	2,106
10 to 14 years	±91	8.6%	±1.5	2,836	±284	6.2%	±0.6	1,618	±270	7.1%	±1.2	1,218	±189	5.3%	±0.8	2,152
15 to 19 years	±19	5.6%	±0.1	2,919	±228	6.4%	±0.5	1,418	±140	6.2%	±0.6	1,501	±156	6.5%	±0.7	2,115
20 to 24 years	±30	4.7%	±0.5	2,494	±188	5.4%	±0.4	1,229	±142	5.4%	±0.6	1,265	±115	5.5%	±0.5	2,153
25 to 29 years	±19	5.0%	±0.1	2,578	±77	5.6%	±0.2	1,354	±71	6.0%	±0.3	1,224	±33	5.3%	±0.2	1,960
30 to 34 years	±19	4.5%	±0.1	2,385	±109	5.2%	±0.2	1,142	±64	5.0%	±0.3	1,243	±93	5.4%	±0.4	1,823
35 to 39 years	±87	6.4%	±1.4	2,408	±342	5.2%	±0.7	1,360	±219	6.0%	±1.0	1,048	±218	4.5%	±0.9	1,880
40 to 44 years	±90	5.5%	±1.5	2,940	±299	6.4%	±0.7	1,392	±201	6.1%	±0.9	1,548	±226	6.7%	±1.0	1,847
45 to 49 years	±26	6.9%	±0.4	3,081	±110	6.7%	±0.2	1,464	±61	6.4%	±0.3	1,617	±87	7.0%	±0.4	2,131
50 to 54 years	±21	7.7%	±0.3	3,137	±82	6.8%	±0.2	1,624	±80	7.2%	±0.4	1,513	±26	6.5%	±0.1	2,231
55 to 59 years	±81	7.1%	±1.3	3,276	±328	7.1%	±0.7	1,708	±198	7.5%	±0.9	1,568	±244	6.8%	±1.0	2,368
60 to 64 years	±95	8.2%	±1.6	3,207	±319	7.0%	±0.7	1,429	±210	6.3%	±0.9	1,778	±218	7.7%	±0.9	1,965
65 to 69 years	±62	7.3%	±1.0	3,067	±309	6.7%	±0.7	1,488	±231	6.6%	±1.0	1,579	±190	6.8%	±0.8	2,027
70 to 74 years	±65	5.8%	±1.1	2,844	±336	6.2%	±0.7	1,323	±213	5.8%	±0.9	1,521	±245	6.6%	±1.1	1,509
75 to 79 years	±47	3.3%	±0.8	1,629	±228	3.6%	±0.5	836	±155	3.7%	±0.7	793	±162	3.4%	±0.7	972
80 to 84 years	±45	2.3%	±0.8	954	±203	2.1%	±0.4	370	±163	1.6%	±0.7	584	±140	2.5%	±0.6	821
85 years and over	±52	1.9%	±0.9	863	±199	1.9%	±0.4	324	±124	1.4%	±0.5	539	±145	2.3%	±0.6	520
SELECTED AGE CATEGORIES																
5 to 14 years	±63	11.9%	±1.0	5,482	±158	11.9%	±0.3	2,973	±128	13.1%	±0.5	2,509	±98	10.8%	±0.4	4,258
15 to 17 years	±19	3.9%	±0.1	1,834	±105	4.0%	±0.2	870	±52	3.8%	±0.2	964	±115	4.2%	±0.5	1,282
Under 18 years	±70	21.7%	±1.1	9,928	±112	21.6%	±0.2	5,110	±174	22.5%	±0.6	4,818	±149	20.8%	±0.5	7,588
18 to 24 years	±30	6.5%	±0.5	3,579	±153	7.8%	±0.3	1,777	±101	7.8%	±0.4	1,802	±135	7.8%	±0.6	2,986
15 to 44 years	±45	31.8%	±0.8	15,724	±227	34.3%	±0.5	7,895	±163	34.8%	±0.7	7,829	±185	33.8%	±0.8	11,778
16 years and over	±71	81.1%	±1.2	37,211	±183	81.1%	±0.4	18,199	±167	80.2%	±0.7	19,012	±202	82.0%	±0.7	25,852
18 years and over	±70	78.3%	±1.1	35,948	±112	78.4%	±0.2	17,591	±143	77.5%	±0.6	18,357	±179	79.2%	±0.5	25,040
21 years and over	±80	75.8%	±1.2	34,294	±258	74.8%	±0.6	16,812	±221	74.1%	±1.0	17,482	±300	75.4%	±1.1	23,789
60 years and over	±98	28.8%	±1.6	12,564	±335	27.4%	±0.7	5,770	±220	25.4%	±0.9	6,794	±255	29.3%	±1.1	7,814
62 years and over	±79	24.6%	±1.2	11,256	±295	24.5%	±0.6	5,234	±179	23.1%	±0.7	6,022	±236	26.0%	±1.0	7,229
65 years and over	±48	20.5%	±0.8	9,357	±171	20.4%	±0.4	4,341	±126	19.1%	±0.5	5,016	±138	21.6%	±0.6	5,849
75 years and over	±33	7.5%	±0.5	3,446	±101	7.5%	±0.2	1,530	±102	6.7%	±0.4	1,916	±26	8.3%	±0.1	2,313
SUMMARY INDICATORS																
Median age (years)	±1.4	(X)	(X)	43.6	±0.7	(X)	(X)	42.1	±0.8	(X)	(X)	44.8	±0.4	(X)	(X)	40.2
Sex ratio (males per 100 females)	(X)	(X)	(X)	98.0	±1.9	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	97.5
Age dependency ratio	(X)	(X)	(X)	72.5	±1.0	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	70.0
Old-age dependency ratio	(X)	(X)	(X)	35.2	±0.8	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	30.5
Child dependency ratio	(X)	(X)	(X)	37.3	±0.5	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	39.5
PERCENT ALLOCATED																
Sex	(X)	(X)	(X)	(X)	(X)	0.0%	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Age	(X)	(X)	(X)	(X)	(X)	1.5%	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)

	Roane County, Tennessee											Roane County, Tennessee				
	Percent			Male		Percent Male		Female		Percent Female		Total		Percent		Male
Label	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate
Total population	*****	(X)	(X)	16,106	±122	(X)	(X)	16,522	±122	(X)	(X)	52,897	*****	(X)	(X)	25,931
AGE																
Under 5 years	±129	6.3%	±0.4	1,099	±99	6.8%	±0.6	949	±95	5.7%	±0.6	2,343	±58	4.4%	±0.1	1,249
5 to 9 years	±265	6.5%	±0.8	973	±207	6.0%	±1.3	1,133	±178	6.9%	±1.1	2,790	±330	5.3%	±0.6	1,485
10 to 14 years	±264	6.6%	±0.8	1,066	±205	6.6%	±1.3	1,086	±182	6.6%	±1.1	2,870	±328	5.4%	±0.6	1,439
15 to 19 years	±69	6.5%	±0.2	1,140	±62	7.1%	±0.4	975	±30	5.9%	±0.2	3,143	±118	5.9%	±0.2	1,618
20 to 24 years	±98	6.6%	±0.3	1,108	±42	6.9%	±0.3	1,045	±79	6.3%	±0.5	2,814	±135	5.3%	±0.3	1,368
25 to 29 years	±91	6.0%	±0.3	1,000	±76	6.2%	±0.5	960	±66	5.8%	±0.4	2,771	±138	5.2%	±0.3	1,362
30 to 34 years	±90	5.6%	±0.3	902	±63	5.6%	±0.4	921	±62	5.6%	±0.4	2,683	±151	5.1%	±0.3	1,337
35 to 39 years	±255	5.8%	±0.8	996	±187	6.2%	±1.2	884	±152	5.4%	±0.9	2,577	±343	4.9%	±0.6	1,404
40 to 44 years	±248	5.7%	±0.8	870	±175	5.4%	±1.1	977	±171	5.9%	±1.0	3,167	±363	6.0%	±0.7	1,442
45 to 49 years	±109	6.5%	±0.3	1,016	±31	6.3%	±0.2	1,115	±105	6.7%	±0.6	3,630	±112	6.9%	±0.2	1,787
50 to 54 years	±82	6.8%	±0.3	1,122	±68	7.0%	±0.4	1,109	±40	6.7%	±0.3	3,970	±106	7.5%	±0.2	1,963
55 to 59 years	±233	7.3%	±0.7	1,146	±155	7.1%	±1.0	1,222	±165	7.4%	±1.0	4,024	±410	7.6%	±0.8	1,853
60 to 64 years	±227	6.0%	±0.7	948	±146	5.9%	±0.9	1,017	±163	6.2%	±1.0	4,497	±422	8.5%	±0.8	2,233
65 to 69 years	±202	6.2%	±0.6	1,019	±144	6.3%	±0.9	1,008	±144	6.1%	±0.9	3,757	±304	7.1%	±0.6	1,964
70 to 74 years	±204	4.6%	±0.6	694	±144	4.3%	±0.9	815	±139	4.9%	±0.8	3,098	±293	5.9%	±0.6	1,437
75 to 79 years	±165	3.0%	±0.5	416	±99	2.6%	±0.6	556	±121	3.4%	±0.7	2,278	±229	4.3%	±0.4	1,133
80 to 84 years	±178	2.5%	±0.5	432	±102	2.7%	±0.6	389	±114	2.4%	±0.7	1,297	±206	2.5%	±0.4	515
85 years and over	±135	1.6%	±0.4	159	±81	1.0%	±0.5	361	±96	2.2%	±0.6	1,188	±211	2.2%	±0.4	342
SELECTED AGE CATEGORIES																
5 to 14 years	±96	13.1%	±0.3	2,039	±31	12.7%	±0.2	2,219	±86	13.4%	±0.5	5,660	±119	10.7%	±0.2	2,924
15 to 17 years	±55	3.9%	±0.2	704	±56	4.4%	±0.3	578	±12	3.5%	±0.1	2,050	±103	3.9%	±0.2	998
Under 18 years	±107	23.3%	±0.3	3,842	±102	23.9%	±0.5	3,746	±122	22.7%	±0.7	10,053	±61	19.0%	±0.1	5,171
18 to 24 years	±98	9.2%	±0.3	1,544	±45	9.6%	±0.3	1,442	±77	8.7%	±0.5	3,907	±165	7.4%	±0.3	1,988
15 to 44 years	±130	36.1%	±0.4	6,016	±73	37.4%	±0.4	5,762	±104	34.9%	±0.6	17,155	±185	32.4%	±0.3	8,531
16 years and over	±178	79.2%	±0.5	12,663	±124	78.6%	±0.8	13,189	±143	79.8%	±0.8	44,320	±183	83.8%	±0.3	21,533
18 years and over	±107	76.7%	±0.3	12,264	±69	76.1%	±0.5	12,776	±121	77.3%	±0.7	42,844	±61	81.0%	±0.1	20,760
21 years and over	±173	72.9%	±0.5	11,701	±114	72.6%	±0.8	12,088	±157	73.2%	±0.9	41,094	±215	77.7%	±0.4	19,753
60 years and over	±222	23.9%	±0.7	3,668	±146	22.8%	±0.9	4,146	±162	25.1%	±1.0	16,115	±431	30.5%	±0.8	7,624
62 years and over	±231	22.2%	±0.7	3,321	±141	20.6%	±0.9	3,908	±167	23.7%	±1.0	14,356	±341	27.1%	±0.6	6,693
65 years and over	±63	17.9%	±0.2	2,720	±56	16.9%	±0.3	3,129	±35	18.9%	±0.2	11,618	±136	22.0%	±0.3	5,391
75 years and over	±48	7.1%	±0.1	1,007	±48	6.3%	±0.3	1,306	±15	7.9%	±0.1	4,763	±69	9.0%	±0.1	1,990
SUMMARY INDICATORS																
Median age (years)	±1.1	(X)	(X)	37.9	±1.1	(X)	(X)	41.3	±0.6	(X)	(X)	46.3	±0.4	(X)	(X)	45.6
Sex ratio (males per 100 females)	±1.5	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	96.2	±1.3	(X)	(X)	(X)
Age dependency ratio	±0.8	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	69.4	±0.8	(X)	(X)	(X)
Old-age dependency ratio	±0.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	37.2	±0.6	(X)	(X)	(X)
Child dependency ratio	±0.7	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	32.2	±0.3	(X)	(X)	(X)
PERCENT ALLOCATED																
Sex	(X)	0.0%	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2%	(X)	(X)
Age	(X)	1.9%	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	1.5%	(X)	(X)

Sequatchie County, Tennessee																
Label	Margin of Error	Percent Male		Female		Percent Female		Total		Percent		Male		Percent Male		Female
		Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate
Total population	±174	(X)	(X)	26,966	±174	(X)	(X)	14,730	*****	(X)	(X)	7,331	±94	(X)	(X)	7,399
AGE																
Under 5 years	±51	4.8%	±0.2	1,094	±47	4.1%	±0.2	746	±52	5.1%	±0.4	393	±55	5.4%	±0.7	353
5 to 9 years	±224	5.7%	±0.9	1,305	±249	4.8%	±0.9	779	±141	5.3%	±1.0	328	±91	4.5%	±1.3	451
10 to 14 years	±229	5.5%	±0.9	1,431	±216	5.3%	±0.8	1,026	±181	7.0%	±1.2	629	±139	8.6%	±1.9	397
15 to 19 years	±91	6.2%	±0.3	1,525	±123	5.7%	±0.5	843	±104	5.7%	±0.7	444	±86	6.1%	±1.2	399
20 to 24 years	±75	5.3%	±0.3	1,446	±116	5.4%	±0.4	829	±107	5.6%	±0.7	431	±89	5.9%	±1.2	398
25 to 29 years	±105	5.3%	±0.4	1,409	±121	5.2%	±0.4	789	±77	5.4%	±0.5	407	±74	5.6%	±1.0	382
30 to 34 years	±117	5.2%	±0.4	1,346	±83	5.0%	±0.3	886	±100	6.0%	±0.7	410	±96	5.6%	±1.3	476
35 to 39 years	±209	5.4%	±0.8	1,173	±238	4.3%	±0.9	880	±155	6.0%	±1.1	471	±112	6.4%	±1.5	409
40 to 44 years	±220	5.6%	±0.8	1,725	±258	6.4%	±1.0	950	±147	6.4%	±1.0	467	±104	6.4%	±1.4	483
45 to 49 years	±58	6.9%	±0.2	1,843	±98	6.8%	±0.4	969	±16	6.6%	±0.1	493	±13	6.7%	±0.2	476
50 to 54 years	±83	7.6%	±0.3	2,007	±66	7.4%	±0.2	1,035	±36	7.0%	±0.2	502	±34	6.8%	±0.5	533
55 to 59 years	±253	7.1%	±1.0	2,171	±250	8.1%	±0.9	1,195	±166	8.1%	±1.1	617	±108	8.4%	±1.5	578
60 to 64 years	±268	8.6%	±1.0	2,264	±251	8.4%	±0.9	932	±164	6.3%	±1.1	409	±102	5.6%	±1.4	523
65 to 69 years	±239	7.6%	±0.9	1,793	±184	6.6%	±0.7	1,235	±130	8.4%	±0.9	662	±66	9.0%	±0.9	573
70 to 74 years	±224	5.5%	±0.9	1,661	±170	6.2%	±0.6	527	±131	3.6%	±0.9	210	±67	2.9%	±0.9	317
75 to 79 years	±139	4.4%	±0.5	1,145	±172	4.2%	±0.6	599	±105	4.1%	±0.7	282	±76	3.8%	±1.0	317
80 to 84 years	±110	2.0%	±0.4	782	±169	2.9%	±0.6	312	±102	2.1%	±0.7	102	±68	1.4%	±0.9	210
85 years and over	±108	1.3%	±0.4	846	±169	3.1%	±0.6	198	±83	1.3%	±0.6	74	±50	1.0%	±0.7	124
SELECTED AGE CATEGORIES																
5 to 14 years	±82	11.3%	±0.3	2,736	±102	10.1%	±0.4	1,805	±103	12.3%	±0.7	957	±100	13.1%	±1.3	848
15 to 17 years	±46	3.8%	±0.2	1,052	±108	3.9%	±0.4	592	±26	4.0%	±0.2	294	±13	4.0%	±0.2	298
Under 18 years	±89	19.9%	±0.3	4,882	±101	18.1%	±0.3	3,143	±146	21.3%	±1.0	1,644	±150	22.4%	±2.0	1,499
18 to 24 years	±101	7.7%	±0.4	1,919	±116	7.1%	±0.4	1,080	±44	7.3%	±0.3	581	±36	7.9%	±0.5	499
15 to 44 years	±155	32.9%	±0.5	8,624	±198	32.0%	±0.7	5,177	±136	35.1%	±0.9	2,630	±144	35.9%	±1.9	2,547
16 years and over	±209	83.0%	±0.5	22,787	±191	84.5%	±0.6	12,053	±163	81.8%	±1.1	5,916	±159	80.7%	±2.1	6,137
18 years and over	±150	80.1%	±0.3	22,084	±132	81.9%	±0.3	11,587	±146	78.7%	±1.0	5,687	±152	77.6%	±2.0	5,900
21 years and over	±200	76.2%	±0.6	21,341	±179	79.1%	±0.5	11,150	±167	75.7%	±1.1	5,408	±174	73.8%	±2.3	5,742
60 years and over	±281	29.4%	±1.0	8,491	±259	31.5%	±1.0	3,803	±174	25.8%	±1.2	1,739	±115	23.7%	±1.6	2,064
62 years and over	±225	25.8%	±0.8	7,663	±230	28.4%	±0.9	3,415	±162	23.2%	±1.1	1,582	±93	21.6%	±1.3	1,833
65 years and over	±113	20.8%	±0.4	6,227	±71	23.1%	±0.3	2,871	±44	19.5%	±0.3	1,330	±42	18.1%	±0.6	1,541
75 years and over	±54	7.7%	±0.2	2,773	±40	10.3%	±0.2	1,109	±25	7.5%	±0.2	458	±14	6.2%	±0.2	651
SUMMARY INDICATORS																
Median age (years)	±0.4	(X)	(X)	47.3	±1.2	(X)	(X)	43.3	±0.6	(X)	(X)	41.5	±0.9	(X)	(X)	44.6
Sex ratio (males per 100 females)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	99.1	±2.5	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Age dependency ratio	(X)	(X)	(X)	(X)	(X)	(X)	(X)	69.0	±2.8	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Old-age dependency ratio	(X)	(X)	(X)	(X)	(X)	(X)	(X)	32.9	±0.8	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Child dependency ratio	(X)	(X)	(X)	(X)	(X)	(X)	(X)	36.1	±2.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)
PERCENT ALLOCATED																
Sex	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1%	(X)	(X)	(X)	(X)	(X)	(X)
Age	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.6%	(X)	(X)	(X)	(X)	(X)	(X)

Sevier County, Tennessee																Union Co
Label	Margin of Error	Percent Female		Total		Percent		Male		Percent Male		Female		Percent Female		Total
		Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate
Total population	±94	(X)	(X)	96,287	*****	(X)	(X)	47,281	±234	(X)	(X)	49,006	±234	(X)	(X)	19,293
AGE																
Under 5 years	±22	4.8%	±0.3	5,167	±81	5.4%	±0.1	2,706	±68	5.7%	±0.1	2,461	±72	5.0%	±0.1	1,066
5 to 9 years	±104	6.1%	±1.4	5,306	±469	5.5%	±0.5	2,878	±309	6.1%	±0.7	2,428	±313	5.0%	±0.6	1,125
10 to 14 years	±106	5.4%	±1.4	6,044	±463	6.3%	±0.5	3,172	±320	6.7%	±0.7	2,872	±307	5.9%	±0.6	1,307
15 to 19 years	±70	5.4%	±0.9	5,735	±181	6.0%	±0.2	2,997	±149	6.3%	±0.3	2,738	±114	5.6%	±0.2	1,155
20 to 24 years	±69	5.4%	±0.9	5,655	±256	5.9%	±0.3	2,968	±237	6.3%	±0.5	2,687	±131	5.5%	±0.3	1,025
25 to 29 years	±23	5.2%	±0.3	6,253	±324	6.5%	±0.3	3,164	±233	6.7%	±0.5	3,089	±171	6.3%	±0.3	1,207
30 to 34 years	±83	6.4%	±1.1	5,254	±98	5.5%	±0.1	2,581	±37	5.5%	±0.1	2,673	±87	5.5%	±0.2	1,049
35 to 39 years	±99	5.5%	±1.3	5,680	±448	5.9%	±0.5	2,898	±317	6.1%	±0.7	2,782	±284	5.7%	±0.6	1,162
40 to 44 years	±99	6.5%	±1.3	5,748	±454	6.0%	±0.5	2,775	±327	5.9%	±0.7	2,973	±298	6.1%	±0.6	1,145
45 to 49 years	±7	6.4%	±0.1	6,614	±206	6.9%	±0.2	3,204	±147	6.8%	±0.3	3,410	±148	7.0%	±0.3	1,349
50 to 54 years	±25	7.2%	±0.3	6,996	±161	7.3%	±0.2	3,316	±118	7.0%	±0.3	3,680	±103	7.5%	±0.2	1,442
55 to 59 years	±119	7.8%	±1.6	7,385	±447	7.7%	±0.5	3,593	±287	7.6%	±0.6	3,792	±374	7.7%	±0.8	1,538
60 to 64 years	±120	7.1%	±1.6	6,516	±450	6.8%	±0.5	2,926	±300	6.2%	±0.6	3,590	±377	7.3%	±0.8	1,353
65 to 69 years	±108	7.7%	±1.5	5,937	±316	6.2%	±0.3	2,760	±206	5.8%	±0.4	3,177	±251	6.5%	±0.5	1,356
70 to 74 years	±104	4.3%	±1.4	5,176	±321	5.4%	±0.3	2,426	±213	5.1%	±0.4	2,750	±245	5.6%	±0.5	767
75 to 79 years	±79	4.3%	±1.1	2,931	±280	3.0%	±0.3	1,556	±172	3.3%	±0.4	1,375	±196	2.8%	±0.4	730
80 to 84 years	±72	2.8%	±1.0	1,975	±246	2.1%	±0.3	837	±154	1.8%	±0.3	1,138	±182	2.3%	±0.4	236
85 years and over	±59	1.7%	±0.8	1,915	±310	2.0%	±0.3	524	±146	1.1%	±0.3	1,391	±232	2.8%	±0.5	281
SELECTED AGE CATEGORIES																
5 to 14 years	±23	11.5%	±0.4	11,350	±115	11.8%	±0.1	6,050	±109	12.8%	±0.2	5,300	±80	10.8%	±0.1	2,432
15 to 17 years	±18	4.0%	±0.2	3,617	±74	3.8%	±0.1	1,877	±87	4.0%	±0.2	1,740	±61	3.6%	±0.1	724
Under 18 years	±23	20.3%	±0.4	20,134	±66	20.9%	±0.1	10,633	±135	22.5%	±0.2	9,501	±114	19.4%	±0.2	4,222
18 to 24 years	±15	6.7%	±0.2	7,773	±290	8.1%	±0.3	4,088	±233	8.6%	±0.5	3,685	±169	7.5%	±0.3	1,456
15 to 44 years	±90	34.4%	±0.8	34,325	±242	35.6%	±0.3	17,383	±201	36.8%	±0.4	16,942	±224	34.6%	±0.4	6,743
16 years and over	±109	82.9%	±0.7	78,721	±259	81.8%	±0.3	37,951	±267	80.3%	±0.4	40,770	±244	83.2%	±0.4	15,564
18 years and over	±93	79.7%	±0.4	76,153	±66	79.1%	±0.1	36,648	±171	77.5%	±0.2	39,505	±180	80.6%	±0.2	15,071
21 years and over	±111	77.6%	±1.1	72,874	±312	75.7%	±0.3	34,923	±248	73.9%	±0.5	37,951	±285	77.4%	±0.4	14,469
60 years and over	±117	27.9%	±1.6	24,450	±462	25.4%	±0.5	11,029	±318	23.3%	±0.7	13,421	±362	27.4%	±0.7	4,723
62 years and over	±114	24.8%	±1.6	21,896	±429	22.7%	±0.4	9,874	±330	20.9%	±0.7	12,022	±293	24.5%	±0.6	3,952
65 years and over	±25	20.8%	±0.4	17,934	±166	18.6%	±0.2	8,103	±70	17.1%	±0.2	9,831	±135	20.1%	±0.3	3,370
75 years and over	±29	8.8%	±0.4	6,821	±127	7.1%	±0.1	2,917	±55	6.2%	±0.1	3,904	±104	8.0%	±0.2	1,247
SUMMARY INDICATORS																
Median age (years)	±0.5	(X)	(X)	42.7	±0.3	(X)	(X)	40.6	±0.7	(X)	(X)	44.7	±0.4	(X)	(X)	42.3
Sex ratio (males per 100 females)	(X)	(X)	(X)	96.5	±0.9	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	98.1
Age dependency ratio	(X)	(X)	(X)	65.4	±0.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	64.9
Old-age dependency ratio	(X)	(X)	(X)	30.8	±0.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	28.8
Child dependency ratio	(X)	(X)	(X)	34.6	±0.1	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	36.1
PERCENT ALLOCATED																
Sex	(X)	(X)	(X)	(X)	(X)	0.1%	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)
Age	(X)	(X)	(X)	(X)	(X)	2.3%	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)

	County, Tennessee											Morgan County, Tennessee							
	Percent		Male		Percent Male		Female		Percent Female		Total		Percent		Male		Percent Male		
Label	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error
Total population	*****	(X)	(X)	9,556	±78	(X)	(X)	9,737	±78	(X)	(X)	21,596	*****	(X)	(X)	12,050	±120	(X)	(X)
AGE																			
Under 5 years	±44	5.5%	±0.2	529	±24	5.5%	±0.3	537	±31	5.5%	±0.3	1,019	±59	4.7%	±0.3	510	±17	4.2%	±0.2
5 to 9 years	±146	5.8%	±0.8	560	±111	5.9%	±1.2	565	±130	5.8%	±1.3	896	±147	4.1%	±0.7	507	±114	4.2%	±0.9
10 to 14 years	±149	6.8%	±0.8	686	±111	7.2%	±1.2	621	±131	6.4%	±1.3	1,429	±149	6.6%	±0.7	698	±113	5.8%	±0.9
15 to 19 years	±53	6.0%	±0.3	639	±45	6.7%	±0.4	516	±30	5.3%	±0.3	1,197	±28	5.5%	±0.1	626	±25	5.2%	±0.2
20 to 24 years	±43	5.3%	±0.2	487	±19	5.1%	±0.1	538	±43	5.5%	±0.4	1,404	±69	6.5%	±0.3	922	±69	7.7%	±0.6
25 to 29 years	±44	6.3%	±0.2	611	±43	6.4%	±0.5	596	±6	6.1%	±0.1	1,537	±111	7.1%	±0.5	1,005	±106	8.3%	±0.9
30 to 34 years	±10	5.4%	±0.1	518	±10	5.4%	±0.1	531	±19	5.5%	±0.1	1,459	±83	6.8%	±0.4	965	±83	8.0%	±0.7
35 to 39 years	±166	6.0%	±0.9	478	±121	5.0%	±1.3	684	±110	7.0%	±1.1	1,417	±210	6.6%	±1.0	813	±152	6.7%	±1.3
40 to 44 years	±175	5.9%	±0.9	699	±126	7.3%	±1.3	446	±118	4.6%	±1.2	1,549	±207	7.2%	±1.0	996	±143	8.3%	±1.2
45 to 49 years	±50	7.0%	±0.3	640	±22	6.7%	±0.3	709	±51	7.3%	±0.5	1,612	±56	7.5%	±0.3	932	±57	7.7%	±0.5
50 to 54 years	±27	7.5%	±0.1	700	±7	7.3%	±0.1	742	±27	7.6%	±0.3	1,601	±31	7.4%	±0.1	885	±32	7.3%	±0.3
55 to 59 years	±207	8.0%	±1.1	783	±123	8.2%	±1.3	755	±147	7.8%	±1.5	1,338	±165	6.2%	±0.8	694	±105	5.8%	±0.9
60 to 64 years	±206	7.0%	±1.1	634	±127	6.6%	±1.3	719	±140	7.4%	±1.4	1,565	±159	7.2%	±0.7	798	±100	6.6%	±0.8
65 to 69 years	±142	7.0%	±0.7	710	±82	7.4%	±0.8	646	±101	6.6%	±1.0	1,178	±132	5.5%	±0.6	663	±76	5.5%	±0.7
70 to 74 years	±137	4.0%	±0.7	348	±83	3.6%	±0.9	419	±102	4.3%	±1.0	1,013	±127	4.7%	±0.6	419	±73	3.5%	±0.6
75 to 79 years	±128	3.8%	±0.7	333	±86	3.5%	±0.9	397	±80	4.1%	±0.8	583	±111	2.7%	±0.5	279	±70	2.3%	±0.6
80 to 84 years	±78	1.2%	±0.4	133	±56	1.4%	±0.6	103	±47	1.1%	±0.5	394	±94	1.8%	±0.4	162	±48	1.3%	±0.4
85 years and over	±87	1.5%	±0.5	68	±41	0.7%	±0.4	213	±73	2.2%	±0.8	405	±111	1.9%	±0.5	176	±69	1.5%	±0.6
SELECTED AGE CATEGORIES																			
5 to 14 years	±39	12.6%	±0.2	1,246	±37	13.0%	±0.4	1,186	±13	12.2%	±0.1	2,325	±39	10.8%	±0.2	1,205	±22	10.0%	±0.2
15 to 17 years	±18	3.8%	±0.1	387	±8	4.0%	±0.1	337	±13	3.5%	±0.1	785	±23	3.6%	±0.1	397	±20	3.3%	±0.2
Under 18 years	±17	21.9%	±0.1	2,162	±26	22.6%	±0.2	2,060	±29	21.2%	±0.3	4,129	±91	19.1%	±0.4	2,112	±41	17.5%	±0.5
18 to 24 years	±51	7.5%	±0.3	739	±41	7.7%	±0.4	717	±43	7.4%	±0.4	1,816	±68	8.4%	±0.3	1,151	±68	9.6%	±0.5
15 to 44 years	±77	35.0%	±0.4	3,432	±75	35.9%	±0.6	3,311	±47	34.0%	±0.4	8,563	±102	39.7%	±0.5	5,327	±144	44.2%	±0.8
16 years and over	±55	80.7%	±0.3	7,682	±85	80.4%	±0.5	7,882	±79	80.9%	±0.5	17,997	±125	83.3%	±0.6	10,191	±165	84.6%	±0.8
18 years and over	±17	78.1%	±0.1	7,394	±70	77.4%	±0.2	7,677	±71	78.8%	±0.3	17,467	±91	80.9%	±0.4	9,938	±146	82.5%	±0.5
21 years and over	±89	75.0%	±0.5	7,086	±62	74.2%	±0.6	7,383	±95	75.8%	±0.7	16,845	±139	78.0%	±0.6	9,564	±153	79.4%	±0.7
60 years and over	±216	24.5%	±1.1	2,226	±137	23.3%	±1.4	2,497	±143	25.6%	±1.5	5,138	±162	23.8%	±0.7	2,497	±101	20.7%	±0.9
62 years and over	±226	20.5%	±1.2	1,832	±114	19.2%	±1.2	2,120	±131	21.8%	±1.4	4,559	±157	21.1%	±0.7	2,181	±103	18.1%	±0.9
65 years and over	±61	17.5%	±0.3	1,592	±49	16.7%	±0.5	1,778	±27	18.3%	±0.3	3,573	±29	16.5%	±0.1	1,699	±21	14.1%	±0.3
75 years and over	±45	6.5%	±0.2	534	±43	5.6%	±0.4	713	±12	7.3%	±0.1	1,382	±18	6.4%	±0.1	617	±13	5.1%	±0.1
SUMMARY INDICATORS																			
Median age (years)	±0.6	(X)	(X)	41.5	±1.4	(X)	(X)	43.1	±0.7	(X)	(X)	41.1	±0.5	(X)	(X)	39.8	±1.2	(X)	(X)
Sex ratio (males per 100 females)	±1.6	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	126.2	±2.8	(X)	(X)	(X)	(X)	(X)	(X)
Age dependency ratio	±0.9	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	55.4	±1.2	(X)	(X)	(X)	(X)	(X)	(X)
Old-age dependency ratio	±0.7	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	25.7	±0.4	(X)	(X)	(X)	(X)	(X)	(X)
Child dependency ratio	±0.3	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	29.7	±0.9	(X)	(X)	(X)	(X)	(X)	(X)
PERCENT ALLOCATED																			
Sex	(X)	0.1%	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0%	(X)	(X)	(X)	(X)	(X)
Age	(X)	0.5%	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.5%	(X)	(X)	(X)	(X)	(X)

	Female		Percent Female	
Label	Estimate	Margin of Error	Estimate	Margin of Error
Total population	9,546	±120	(X)	(X)
AGE				
Under 5 years	509	±45	5.3%	±0.4
5 to 9 years	389	±97	4.1%	±1.0
10 to 14 years	731	±99	7.7%	±1.0
15 to 19 years	571	±9	6.0%	±0.1
20 to 24 years	482	±2	5.0%	±0.1
25 to 29 years	532	±28	5.6%	±0.2
30 to 34 years	494	±23	5.2%	±0.1
35 to 39 years	604	±138	6.3%	±1.5
40 to 44 years	553	±145	5.8%	±1.5
45 to 49 years	680	±7	7.1%	±0.1
50 to 54 years	716	±3	7.5%	±0.1
55 to 59 years	644	±107	6.7%	±1.1
60 to 64 years	767	±105	8.0%	±1.1
65 to 69 years	515	±93	5.4%	±1.0
70 to 74 years	594	±92	6.2%	±1.0
75 to 79 years	304	±74	3.2%	±0.8
80 to 84 years	232	±68	2.4%	±0.7
85 years and over	229	±75	2.4%	±0.8
SELECTED AGE CATEGORIES				
5 to 14 years	1,120	±24	11.7%	±0.2
15 to 17 years	388	±9	4.1%	±0.1
Under 18 years	2,017	±64	21.1%	±0.4
18 to 24 years	665	±2	7.0%	±0.1
15 to 44 years	3,236	±57	33.9%	±0.2
16 years and over	7,806	±86	81.8%	±0.7
18 years and over	7,529	±63	78.9%	±0.4
21 years and over	7,281	±81	76.3%	±0.7
60 years and over	2,641	±107	27.7%	±1.2
62 years and over	2,378	±110	24.9%	±1.2
65 years and over	1,874	±13	19.6%	±0.2
75 years and over	765	±8	8.0%	±0.1
SUMMARY INDICATORS				
Median age (years)	44.3	±0.6	(X)	(X)
Sex ratio (males per 100 females)	(X)	(X)	(X)	(X)
Age dependency ratio	(X)	(X)	(X)	(X)
Old-age dependency ratio	(X)	(X)	(X)	(X)
Child dependency ratio	(X)	(X)	(X)	(X)
PERCENT ALLOCATED				
Sex	(X)	(X)	(X)	(X)
Age	(X)	(X)	(X)	(X)

Attachment 3N-3
TennCare Enrollment
Report

TennCare Enrollment Report for August 2022

MCO	REGION	Total
AMERIGROUP COMMUNITY CARE	East Tennessee	166,133
AMERIGROUP COMMUNITY CARE	Middle Tennessee	200,199
AMERIGROUP COMMUNITY CARE	West Tennessee	142,596
BLUECARE	East Tennessee	251,921
BLUECARE	Middle Tennessee	204,010
BLUECARE	West Tennessee	176,647
UnitedHealthcare Community Plan	East Tennessee	165,864
UnitedHealthcare Community Plan	Middle Tennessee	201,795
UnitedHealthcare Community Plan	West Tennessee	142,365
TENNCARE SELECT HIGH	All	32,822
TENNCARE SELECT LOW	All	20,046
PACE		285
KBB under DIDD waiver		1,697
Awaiting MCO assignment		178
Grand Total		1,706,558

COUNTY	Female					Male					Unknown				Grand Total
	0 - 18	19 - 20	21 - 64	65 -->	Female Total	0 - 18	19 - 20	21 - 64	65 -->	Male Total	0 - 18	19 - 20	21 - 64	65 -->	
ANDERSON	4,916	452	5,241	649	11,258	5,195	415	2,329	324	8,263					19,521
BEDFORD	4,291	368	3,701	287	8,647	4,323	345	1,427	156	6,251					14,898
BENTON	1,120	122	1,353	172	2,767	1,173	92	638	94	1,997					4,764
BLEDSON	817	83	980	124	2,004	931	102	550	90	1,673					3,677
BLOUNT	6,647	583	7,055	739	15,024	6,920	541	2,951	368	10,780					25,804
BRADLEY	7,000	629	7,417	712	15,758	7,443	518	3,029	382	11,372					27,130
CAMPBELL	2,993	327	3,931	649	7,900	3,219	285	2,055	394	5,953					13,853
CANNON	945	84	1,030	127	2,186	941	66	459	63	1,529					3,715
CARROLL	1,902	183	2,384	302	4,771	2,048	198	1,194	141	3,581					8,352
CARTER	3,287	333	4,193	602	8,415	3,577	327	2,159	290	6,353					14,768
CHEATHAM	2,073	185	2,098	194	4,550	2,099	189	841	108	3,237					7,787
CHESTER	1,147	110	1,243	131	2,631	1,162	85	522	77	1,846					4,477
CLAIBORNE	2,203	221	2,818	518	5,760	2,372	218	1,562	314	4,466					10,226
CLAY	537	42	580	114	1,273	564	43	357	49	1,013					2,286
COCKE	2,934	282	3,797	510	7,523	3,182	280	1,910	280	5,652					13,175
COFFEE	4,145	374	4,614	408	9,541	4,364	321	1,851	235	6,771					16,312
CROCKETT	1,035	92	1,108	186	2,421	1,091	115	498	85	1,789					4,210
CUMBERLAND	3,647	296	3,926	513	8,382	3,828	315	1,897	285	6,325					14,707
DAVIDSON	45,223	3,526	38,963	3,746	91,458	46,623	3,284	15,863	2,337	68,107					159,565
DECATUR	758	86	927	155	1,926	861	85	472	66	1,484					3,410
DEKALB	1,517	145	1,591	198	3,451	1,642	129	795	113	2,679					6,130
DICKSON	3,239	292	3,588	367	7,486	3,468	279	1,498	195	5,440					12,926
DYER	2,970	291	3,526	412	7,199	3,150	261	1,408	186	5,005					12,204
FAYETTE	1,928	185	2,169	287	4,569	1,999	184	872	161	3,216					7,785
FENTRESS	1,522	126	1,782	322	3,752	1,515	153	1,067	223	2,958					6,710
FRANKLIN	2,298	232	2,636	310	5,476	2,400	232	1,252	145	4,029					9,505
GIBSON	3,705	340	4,156	517	8,718	3,865	298	1,797	261	6,221					14,939
GILES	1,865	169	2,125	229	4,388	1,881	160	942	140	3,123					7,511
GRAINGER	1,576	154	1,777	285	3,792	1,638	160	999	167	2,964					6,756
GREENE	4,272	416	5,244	650	10,582	4,592	431	2,536	369	7,928					18,510
GRUNDY	1,048	124	1,422	237	2,831	1,134	113	755	134	2,136					4,967
HAMBLETON	5,355	454	4,762	521	11,092	5,497	419	2,047	254	8,217					19,309
HAMILTON	20,875	1,742	20,755	2,519	45,891	21,618	1,628	8,176	1,402	32,824					78,715
HANCOCK	556	48	679	151	1,434	615	37	372	73	1,097					2,531
HARDEMAN	1,902	185	2,233	335	4,655	1,836	146	1,039	166	3,187					7,842
HARDIN	1,797	179	2,221	383	4,580	1,850	172	1,124	197	3,343					7,923
HAWKINS	3,673	352	4,472	510	9,007	3,854	360	2,180	303	6,697					15,704
HAYWOOD	1,429	150	1,748	255	3,582	1,543	151	612	136	2,442					6,024
HENDERSON	2,065	175	2,401	262	4,903	2,143	189	1,052	123	3,507					8,410
HENRY	2,137	198	2,515	271	5,121	2,256	182	1,190	146	3,774					8,895
HICKMAN	1,601	157	1,837	182	3,777	1,726	154	921	125	2,926					6,703
HOUSTON	542	50	686	98	1,376	588	53	323	54	1,018					2,394
HUMPHREYS	1,246	114	1,490	134	2,984	1,359	106	662	86	2,213					5,197
JACKSON	744	85	945	126	1,900	777	73	454	85	1,389					3,289
JEFFERSON	3,760	359	3,953	469	8,541	3,938	318	1,843	244	6,343					14,884
JOHNSON	1,162	106	1,333	252	2,853	1,200	112	746	152	2,210					5,063
KNOX	23,944	2,127	25,084	2,736	53,891	24,995	1,931	10,583	1,512	39,021					92,912

COUNTY	Female					Male					Unknown				Unknown Total	Grand Total
	0 - 18	19 - 20	21 - 64	65 ->	Female Total	0 - 18	19 - 20	21 - 64	65 ->	Male Total	0 - 18	19 - 20	21 - 64	65 ->		
LAKE	487	32	655	139	1,313	503	61	315	64	943					2,256	
LAUDERDALE	2,116	218	2,472	269	5,075	2,146	198	1,051	132	3,527					8,602	
LAWRENCE	3,139	295	3,521	394	7,349	3,270	283	1,588	192	5,333					12,682	
LEWIS	894	75	980	124	2,073	903	84	436	66	1,489					3,562	
LINCOLN	2,293	190	2,415	281	5,179	2,314	219	1,052	141	3,726					8,905	
LOUDON	2,874	253	2,758	290	6,175	3,009	247	1,182	157	4,595					10,770	
MACON	2,073	156	2,045	202	4,476	2,221	144	960	101	3,426					7,902	
MADISON	7,453	650	8,037	859	16,999	7,713	633	3,107	488	11,941					28,940	
MARION	1,857	168	2,299	283	4,607	1,891	186	1,013	157	3,247					7,854	
MARSHALL	2,155	195	2,182	209	4,741	2,177	169	863	99	3,308					8,049	
MAURY	6,447	537	5,854	516	13,354	6,675	491	2,281	254	9,701					23,055	
MCMINN	3,710	340	4,222	468	8,740	3,913	323	1,889	234	6,359					15,099	
MCNAIRY	1,841	195	2,312	317	4,665	1,937	190	1,127	171	3,425					8,090	
MEIGS	919	98	1,055	98	2,170	957	71	553	59	1,640					3,810	
MONROE	3,218	313	3,674	444	7,649	3,385	294	1,739	258	5,676					13,325	
MONTGOMERY	13,871	1,141	14,239	844	30,095	14,464	945	4,614	384	20,407					50,502	
MOORE	247	19	285	38	589	278	20	122	20	440					1,029	
MORGAN	1,235	134	1,440	203	3,012	1,292	132	679	112	2,215					5,227	
OBION	2,243	222	2,615	314	5,394	2,193	196	1,175	166	3,730					9,124	
OVERTON	1,347	128	1,575	226	3,276	1,552	141	821	125	2,639					5,915	
PERRY	519	48	607	85	1,259	587	53	306	51	997					2,256	
PICKETT	283	21	337	72	713	294	33	208	45	580					1,293	
POLK	1,035	108	1,288	163	2,594	1,044	104	677	101	1,926					4,520	
PUTNAM	5,624	511	5,482	708	12,325	5,977	450	2,758	339	9,524					21,849	
RHEA	2,486	235	2,812	396	5,929	2,680	217	1,280	191	4,368					10,297	
ROANE	2,999	294	3,722	462	7,477	3,291	283	1,843	267	5,684					13,161	
ROBERTSON	4,391	396	3,932	349	9,068	4,651	314	1,501	187	6,653					15,721	
RUTHERFORD	20,565	1,700	18,040	1,262	41,567	21,420	1,435	6,472	616	29,943					71,510	
SCOTT	1,991	238	2,335	335	4,899	2,032	210	1,203	195	3,640					8,539	
SEQUATCHIE	1,119	122	1,263	173	2,677	1,154	98	583	78	1,913					4,590	
SEVIER	6,476	565	6,291	514	13,846	6,998	568	2,712	248	10,526					24,372	
SHELBY	80,455	6,823	78,977	7,281	173,536	83,128	6,159	26,921	4,584	120,792					294,328	
SMITH	1,224	134	1,428	172	2,958	1,334	114	573	87	2,108					5,066	
STEWART	906	78	953	126	2,063	892	74	468	52	1,486					3,549	
SULLIVAN	9,134	898	11,148	1,352	22,532	9,599	826	5,265	706	16,396					38,928	
SUMNER	9,709	882	9,622	855	21,068	10,239	788	3,541	432	15,000					36,068	
TIPTON	3,887	360	4,226	403	8,876	3,910	322	1,603	206	6,041					14,917	
TROUSDALE	580	51	612	78	1,321	627	28	278	34	967					2,288	
UNICOI	1,000	107	1,295	241	2,643	1,134	104	620	130	1,988					4,631	
UNION	1,490	135	1,631	189	3,445	1,506	127	848	121	2,602					6,047	
VAN BUREN	367	32	411	79	889	389	39	232	42	702					1,591	
WARREN	3,217	344	3,546	435	7,542	3,359	310	1,737	235	5,641					13,183	
WASHINGTON	7,071	661	8,042	1,006	16,780	7,313	633	3,767	555	12,268					29,048	
WAYNE	815	89	1,036	142	2,082	937	77	487	75	1,576					3,658	
WEAKLEY	2,103	188	2,313	298	4,902	2,209	187	1,023	160	3,579					8,481	
WHITE	1,955	185	2,244	299	4,683	2,171	185	1,152	179	3,687					8,370	
WILLIAMSON	4,507	421	3,952	396	9,276	4,851	417	1,755	191	7,214					16,490	
WILSON	6,590	534	6,385	513	14,022	6,932	529	2,646	280	10,387					24,409	
Other	4,700	414	4,169	172	9,455	4,735	389	1,652	94	6,869					16,324	
Grand Total	443,965	39,266	457,223	48,930	989,384	463,181	36,355	190,487	27,151	717,174					1,706,558	

Reports include some membership additions that are the result of retroactivity; however, additional retroactivity may still occur. The "Other" county category reflects recipients who are Tennessee residents for which their domicile is temporarily located outside of the state.

Notes: Cost amounts for Dental, Pharmacy, and TennCare Select are based on claims from our invoice tables with paid date in August 2022. These claims may have been incurred at any time in or before August 2022. The county information is based on the most recent county information for the recipient associated with each claim or capitation payment.

Sum of paid	Column Labels				
Row Labels	Capitation	Dental	Pharmacy	TennCare Select	Grand Total
ANDERSON	\$8,105,082.68	\$151,115.52	\$1,999,398.15	\$437,265.52	\$10,692,861.87
BEDFORD	\$5,906,033.53	\$127,055.24	\$1,500,678.93	\$104,468.26	\$7,638,235.96
BENTON	\$1,748,743.66	\$29,758.20	\$499,500.75	\$18,820.67	\$2,296,823.28
BLEDSON	\$1,392,827.21	\$27,319.69	\$404,509.75	\$14,053.63	\$1,838,710.28
BLOUNT	\$10,182,986.85	\$212,606.85	\$3,186,599.62	\$419,705.18	\$14,001,898.50
BRADLEY	\$10,386,198.30	\$277,368.14	\$3,458,569.79	\$487,696.36	\$14,609,832.59
CAMPBELL	\$6,142,055.50	\$104,617.47	\$1,597,186.83	\$108,240.43	\$7,952,100.23
CANNON	\$1,593,758.15	\$47,375.68	\$403,388.26	\$60,602.44	\$2,105,124.53
CARROLL	\$3,752,113.68	\$47,967.99	\$848,040.41	\$109,088.19	\$4,757,210.27
CARTER	\$6,645,984.14	\$96,949.71	\$1,497,432.82	\$152,458.48	\$8,392,825.15
CHEATHAM	\$3,231,391.43	\$77,310.51	\$938,475.34	\$115,815.22	\$4,362,992.50
CHESTER	\$1,711,957.93	\$28,445.48	\$409,319.60	\$12,076.62	\$2,161,799.63
CLAIBORNE	\$4,470,819.85	\$73,334.07	\$1,411,110.08	\$202,592.84	\$6,157,856.84
CLAY	\$1,120,841.97	\$16,184.46	\$208,317.64	\$31,095.42	\$1,376,439.49
COCKE	\$5,026,589.91	\$88,307.36	\$1,637,802.14	\$113,859.22	\$6,866,558.63
COFFEE	\$6,735,174.09	\$138,806.53	\$1,613,152.18	\$187,076.08	\$8,674,208.88
CROCKETT	\$1,875,494.09	\$25,907.05	\$394,905.59	\$99,398.25	\$2,395,704.98
CUMBERLAND	\$6,540,476.59	\$149,009.26	\$1,291,872.03	\$162,934.49	\$8,144,292.37
DAVIDSON	\$65,197,674.82	\$1,536,194.55	\$10,070,366.77	\$2,500,520.23	\$79,304,756.37
DECATUR	\$1,479,499.02	\$22,586.51	\$389,142.47	\$66,343.49	\$1,957,571.49
DEKALB	\$2,588,038.60	\$68,535.40	\$793,031.27	\$78,117.35	\$3,527,722.62
DICKSON	\$5,569,494.33	\$134,082.37	\$1,170,967.27	\$202,213.23	\$7,076,757.20
DYER	\$4,915,104.13	\$77,848.78	\$926,207.72	\$138,007.55	\$6,057,168.18
FAYETTE	\$3,238,266.35	\$56,652.87	\$594,642.61	\$366,204.94	\$4,255,766.77
FENTRESS	\$2,989,989.64	\$70,436.54	\$688,945.30	\$97,552.83	\$3,846,924.31
FRANKLIN	\$3,914,199.46	\$67,871.91	\$1,043,004.47	\$70,459.64	\$5,095,535.48
GIBSON	\$6,139,513.77	\$109,628.03	\$1,727,738.60	\$226,410.05	\$8,203,290.45
GILES	\$3,466,921.67	\$67,283.53	\$679,190.03	\$43,432.24	\$4,256,827.47
GRAINGER	\$2,749,255.08	\$47,454.58	\$774,206.40	\$84,831.13	\$3,655,747.19
GREENE	\$7,763,748.60	\$117,994.74	\$2,094,044.14	\$386,534.91	\$10,362,322.39
GRUNDY	\$2,179,347.37	\$31,123.09	\$487,741.84	\$38,395.41	\$2,736,607.71
HAMBLEN	\$7,220,248.13	\$149,287.43	\$2,059,591.82	\$386,659.50	\$9,815,786.88
HAMILTON	\$32,616,838.29	\$626,805.97	\$7,904,820.58	\$1,605,405.12	\$42,753,869.96
HANCOCK	\$1,072,955.57	\$17,269.62	\$359,745.69	\$49,642.92	\$1,499,613.80
HARDEMAN	\$3,214,979.64	\$57,027.82	\$831,680.99	\$173,180.97	\$4,276,869.42
HARDIN	\$3,700,674.01	\$39,468.08	\$962,469.06	\$82,105.72	\$4,784,716.87
HAWKINS	\$6,342,824.55	\$104,462.62	\$1,973,219.93	\$158,436.94	\$8,578,944.04
HAYWOOD	\$2,428,850.59	\$31,133.79	\$475,266.49	\$120,722.20	\$3,055,973.07
HENDERSON	\$3,287,325.56	\$58,312.74	\$710,842.88	\$188,932.25	\$4,245,413.43
HENRY	\$3,592,116.03	\$56,759.07	\$1,073,428.37	\$53,804.29	\$4,776,107.76
HICKMAN	\$2,741,244.22	\$75,597.25	\$598,583.19	\$95,851.79	\$3,511,276.45
HOUSTON	\$1,154,064.91	\$21,137.13	\$213,676.73	\$43,300.95	\$1,432,179.72
HUMPHREYS	\$2,184,138.87	\$42,047.69	\$502,214.19	\$73,537.92	\$2,801,938.67
JACKSON	\$1,571,785.24	\$28,565.05	\$275,494.64	\$93,434.85	\$1,969,279.78
JEFFERSON	\$6,250,525.61	\$120,258.04	\$1,835,778.63	\$199,239.29	\$8,405,801.57
JOHNSON	\$2,331,211.57	\$33,473.70	\$419,322.59	\$33,205.82	\$2,817,213.68
KNOX	\$36,900,720.05	\$749,407.13	\$9,591,643.08	\$1,626,897.77	\$48,868,668.03
LAKE	\$1,270,093.90	\$14,226.76	\$247,163.50	\$13,656.32	\$1,545,140.48

LAUDERDALE	\$3,362,798.27	\$57,937.85	\$742,568.22	\$94,482.16	\$4,257,786.50
LAWRENCE	\$5,706,975.13	\$128,243.18	\$1,108,595.03	\$98,781.04	\$7,042,594.38
LEWIS	\$1,749,485.47	\$27,981.57	\$256,535.81	\$34,429.29	\$2,068,432.14
LINCOLN	\$3,621,724.66	\$74,426.30	\$788,029.60	\$49,946.62	\$4,534,127.18
LOUDON	\$4,201,947.75	\$90,056.80	\$1,128,771.26	\$114,051.95	\$5,534,827.76
MACON	\$3,356,466.85	\$76,745.96	\$593,733.87	\$31,846.10	\$4,058,792.78
MADISON	\$11,730,787.98	\$193,475.91	\$2,533,088.02	\$580,961.60	\$15,038,313.51
MARION	\$3,218,968.93	\$69,587.33	\$818,654.45	\$69,694.47	\$4,176,905.18
MARSHALL	\$3,355,495.30	\$85,843.58	\$703,995.69	\$64,776.20	\$4,210,110.77
MAURY	\$9,224,911.72	\$246,808.92	\$1,980,211.77	\$417,412.52	\$11,869,344.93
MCMINN	\$6,083,506.21	\$129,603.42	\$1,788,270.53	\$171,006.78	\$8,172,386.94
MCNAIRY	\$3,481,313.29	\$57,526.87	\$871,521.02	\$74,653.47	\$4,485,014.65
MEIGS	\$1,510,849.42	\$32,021.34	\$565,227.23	\$58,601.87	\$2,166,699.86
MONROE	\$5,167,504.50	\$115,612.65	\$1,231,758.88	\$293,448.01	\$6,808,324.04
MONTGOMERY	\$19,706,241.79	\$389,316.86	\$3,701,307.54	\$753,085.35	\$24,549,951.54
MOORE	\$459,219.94	\$9,330.28	\$64,532.60	\$1,718.05	\$534,800.87
MORGAN	\$2,150,838.81	\$37,686.75	\$519,982.25	\$109,500.07	\$2,818,007.88
OBION	\$3,509,142.94	\$47,203.29	\$956,561.59	\$131,636.51	\$4,644,544.33
OUT-OF-ST CO	\$1,071,014.32	\$13,539.11	\$146,284.99	\$252,284.43	\$1,483,122.85
OUT-OF-ST NO	\$144.32			-\$6.06	\$138.26
OVERTON	\$2,573,987.27	\$51,668.91	\$462,726.07	\$58,321.77	\$3,146,704.02
PERRY	\$1,133,771.29	\$20,787.13	\$162,904.76	\$16,565.70	\$1,334,028.88
PICKETT	\$809,418.67	\$9,457.70	\$70,119.54	\$11,545.08	\$900,540.99
POLK	\$1,917,955.11	\$46,366.84	\$518,995.12	\$38,098.05	\$2,521,415.12
PUTNAM	\$10,063,872.23	\$232,632.55	\$1,961,484.51	\$495,381.69	\$12,753,370.98
RHEA	\$4,357,486.79	\$82,063.01	\$1,054,340.64	\$133,438.71	\$5,627,329.15
ROANE	\$5,522,067.25	\$88,953.71	\$1,474,719.59	\$255,847.50	\$7,341,588.05
ROBERTSON	\$6,392,652.61	\$177,599.94	\$1,379,951.31	\$137,721.12	\$8,087,924.98
RUTHERFORD	\$27,009,252.10	\$653,360.64	\$4,635,129.87	\$919,345.55	\$33,217,088.16
SCOTT	\$3,554,195.07	\$66,282.27	\$1,108,991.25	\$97,143.69	\$4,826,612.28
SEQUATCHIE	\$1,838,061.77	\$45,800.01	\$360,725.58	\$28,426.97	\$2,273,014.33
SEVIER	\$8,935,964.38	\$216,365.84	\$2,569,739.64	\$198,626.45	\$11,920,696.31
SHELBY	\$107,368,285.73	\$1,790,559.12	\$18,121,958.28	\$4,498,078.85	\$131,778,881.98
SMITH	\$2,182,273.86	\$49,302.28	\$386,088.16	\$85,041.17	\$2,702,705.47
STEWART	\$1,566,246.89	\$33,873.66	\$332,226.03	\$24,609.44	\$1,956,956.02
SULLIVAN	\$16,111,687.47	\$246,874.22	\$4,393,133.50	\$411,700.03	\$21,163,395.22
SUMNER	\$15,322,556.55	\$343,193.98	\$3,238,799.78	\$432,544.66	\$19,337,094.97
TIPTON	\$5,653,113.69	\$127,808.67	\$1,242,355.98	\$53,480.73	\$7,076,759.07
TROUSDALE	\$978,976.53	\$16,425.53	\$273,615.49	\$5,888.07	\$1,274,905.62
UNICOI	\$2,403,636.51	\$30,565.21	\$486,848.91	\$30,735.68	\$2,951,786.31
UNION	\$2,473,335.10	\$31,241.56	\$902,720.05	\$33,108.99	\$3,440,405.70
VAN BUREN	\$891,456.71	\$18,693.35	\$88,941.50	\$98,432.20	\$1,097,523.76
WARREN	\$5,647,565.59	\$124,207.57	\$1,431,994.31	\$149,836.97	\$7,353,604.44
WASHINGTON	\$12,446,420.85	\$191,637.33	\$3,000,193.37	\$683,385.23	\$16,321,636.78
WAYNE	\$1,751,546.32	\$24,182.60	\$322,359.71	\$64,087.99	\$2,162,176.62
WEAKLEY	\$3,554,597.40	\$49,364.58	\$796,039.91	\$220,611.74	\$4,620,613.63
WHITE	\$3,768,320.59	\$96,819.13	\$656,315.62	\$175,494.23	\$4,696,949.57
WILLIAMSON	\$6,547,862.94	\$152,218.59	\$1,130,726.75	\$293,797.38	\$8,124,605.66
WILSON	\$10,071,680.89	\$222,691.05	\$2,214,302.44	\$258,979.01	\$12,767,653.39
(blank)		\$19,510.55	\$60,655.98	\$21,366.38	\$101,532.91
Grand Total	\$682,157,764.90	\$13,495,827.50	\$150,113,165.16	\$25,468,236.38	\$871,234,993.94

Attachment 2C

Payor List

Payor
Aetna
Aetna Better Health KY
Ambetter TN
Amerigroup Community Care TN
Anthem BCBS GA/Elevance
Blue Cross and Blue Shield of Alabama
Blue Cross Blue Shield of Texas
BlueCross BlueShield of Tennessee
Bright Health
CareCentrix
CareSource
Catalyst Rx, Inc.
Catamaran, LLC
Cigna Corporation
CVS Caremark
Elevate
eviCore
Express Scripts, Inc. (ESI)
HealthSpring of Tennessee, Inc.
Magellan Pharmacy Solutions
Multiplan
OptumRX
Passport Health Plan
Perform RX
RxAdvance, Corporation
RxPreferred Benefits
Script Care LTD.
Humana Inc.
Oscar Insurance Corporation
UnitedHealthcare
WellCare Health Plans, Inc.
Viva Health Plan
Tricare East

Attachment 4C-1
Job Description



HOME INFUSION NURSE (RN)

Name: _____

Hire Date: _____

Position Summary: The home infusion nurse coordinates and performs infusion nursing care for patients in the home setting; administers skilled nursing care; participates in teaching patients and caregivers home medical management; provides leadership by working cooperatively to establish priorities and goals of patient care. Continuing education necessary to maintain current licensure in all states licensed required by state or professional organization and attend all required internal inservices per year.

Education/Experience: Graduate of an accredited school of nursing, BSN preferred.
 Current, unrestricted state license as a Registered Nurse..
 Minimum of 2 years current nursing experience; infusion therapy, including patient assessment skills, venous access skills and emergency patient care, preferred.
 A minimum of 1 year previous specialized home health experience desired.
 CPR certification required.
 Excellent interpersonal, communication and organization skills.
 Must be able to assume a flexible work schedule and fulfill on call duties.

Reports to: Infusion Nurse Administrator

Health Status Requirements: Appropriate immunizations current
 TB screen (as required by policy)
 Hepatitis B vaccine or signed waiver
 Other state required health tests allowable by law

JOB DESCRIPTION KEY INDICATORS

MAJOR RESPONSIBILITIES

Abides by company policies and procedures as well as INS standards of practice, OSHA guidelines, State Nurse Practice Act and state board laws/guidelines.

Provides infusion and other skilled nursing care to patients including, but not limited to: patient assessments, patient/caregiver teaching, development and revision of the plan of care, implementation of physician orders, monitoring patient response, response to emergency patient needs and psychosocial support.

Provides pre-discharge patient assessments in the hospital or clinic setting, when appropriate.

Completes all required patient care documentation and reports accurately.

Submits all required patient care documentation and reports in a timely manner.

Communicates to supervisor, physicians and other health care providers, as appropriate, any changes in the patient’s condition.

Takes on call responsibility as assigned to provide 24 hour availability and provides these services in accordance with established protocols,

Takes professional responsibility for self-protection during required work in potentially hazardous situations (e.g. handling of blood and body fluids).

Represents self in a professional and ethical manner at all times

JOB DESCRIPTION KEY INDICATORS

Participates in the activities of the company's quality assurance program (e.g. HOPE Program).

Attends scheduled patient care conferences, inservices, departmental meetings/calls, as requested.

Maintains professional licensure, certification and health requirements as well as demonstrating clinical competence of orientation programs, etc.

Participates in the orientation of other nurses as requested.

Supports the account executives and clinical liaisons by providing educational programs or visits to referrals sources, as requested.

Assists in effective communication between the patient and the company, to include documentation of suggestions, complaints, and requests

Performs other duties as required.

WORK STANDARDS

Understands and adheres to all external accreditation review standards, applicable state, local and Federal laws and / or regulations including maintaining patient confidentiality through abiding by HIPAA laws/regulations.

Understands and adheres to company policies and procedures.

Establishes and maintains positive working relationships with internal and external customers as well as all company employees.

Displays a neat, clean, and professional appearance at all times.

Meets expectations for customer/patient satisfaction and anticipates customer/patient needs.

Handles customer/patient complaints in a fair and empathetic manner.

Promotes PHI culture by providing quality, comprehensive services to all customers through a team approach.

CONTINUING EDUCATION

Completes continuing education necessary to maintain current licensure in all states licensed.

Completes continuing education and training as assigned by supervisor.

TECHNICAL

Competent with office computer program, if applicable (i.e. DripSync, CPR+).

Competent at partner programs (i.e. Word, Excel, PowerPoint).

Effective written and oral communication skills.

Employee Signature: _____ Date: _____

Manager Signature: _____ Date: _____

Manager Title: _____

Attachment 4C-2
Pharmacy License



State of Tennessee
Department of Health

12975827

53743

BOARD OF PHARMACY
PHARMACY
PARAGON INFUSION
418 S. GAY ST., STE. 203
KNOXVILLE TN 37902

*This is to certify that all requirements of the State of Tennessee
have been met.*

ID NUMBER: 0000004780

EXPIRATION DATE: 05/31/2024

CONTROLLED SUBSTANCE REGISTRATION
STERILE COMPOUNDING

Jennifer L. Potnam, Esq.

ASSISTANT COMMISSIONER, HEALTH LICENSURE & REGULATION

Rosa Therrell

COMMISSIONER

Attachment 5C
Quality Policies and Job
Requirements

HOPE

Program Overview

Revised: 02/01/20

POLICY STATEMENT

1.0 HOPE Program: Overview

1.1 HOPE Program Mission Statement

Paragon Healthcare, Inc. and Wholly Owned Subsidiaries as Applicable (“the company”) is a diversified services organization comprised of a resolute team of professionals dedicated to providing the highest quality of healthcare services in an ethical and patient-focused environment.

Our *Goal* is to be the most efficient, cost-effective healthcare system with the best patient outcomes.

1.2 Goals of the HOPE Program

HOPE is an acronym for "Healthcare Outcomes for Paragon Excellence". The HOPE Program has the following goals:

- We will provide the best possible outcomes for our clients.
- We will use a comprehensive outcomes reporting program to continually evaluate patient outcomes and look for ways to improve them.
- We will be proactive in looking for ways to achieve the best outcomes and avoid potential problems.
- We will accomplish these goals by monitoring and trending critical clinical indicators.
- We will use risk event reporting, equipment monitoring reports and regular meetings to help us achieve our goals.
- We will benchmark our outcomes at each center internally and against others in the company centers. Trending over time is used to watch for significant changes in outcomes measures.

1.3 Program Objectives

To define a standardized system of performance improvement for all The Company locations

To foster a work environment both at the corporate and center levels which focuses on continuously improving performance and meeting customer needs

To create ongoing indicators of performance which describe and measure key aspects of patient care, organizational performance, and customer satisfaction

To identify areas needing improvement across the entire spectrum of company operations and services, by educating our employees on performance improvement principles and soliciting input from our staff and our customers on a continuing basis

HOPE**Program Overview****Revised: 02/01/20**

To develop a framework for making changes made to areas of concern, and evaluating the results that follow those changes

To document our commitment to achieving the best patient outcomes and providing the best patient care

To use appropriate benchmarking to identify potential areas of improvement

To measure patient satisfaction and respond to customer concerns; to set priorities based on patient needs and expectations

To include appropriate quality control activities

To include infection control measures to ensure employee, patient and public safety

To include quality assessment measures

To serve as a reference for the company's performance improvement plan for all company locations

1.4 Scope of Care and Services

The Company and its affiliates provide comprehensive healthcare services, either directly or through contractual arrangement, to meet the needs and expectations of patients, physicians, and payers. The Company will monitor the processes and outcomes related to patient care and services, whether the service is direct or by contractual arrangement.

Patient services are given in the home setting and may also take place in alternate locations such as a physician's office, clinic, infusion suite, or other outpatient setting. Services are provided to all patients, regardless of race, color, religion, sex, gender identity, sexual orientation, national origin or age, regardless of physical or mental disability, veteran status, genetic information or payment source.

Services may be short or long term, depending on the patient's medical condition.

The services offered by the individual Company branches/sites may vary by location, depending on the patient needs in each community. Each site's manager is responsible for defining and meeting the needs of their patients to achieve the best patient outcomes. The care, services and infusion therapies that may be provided to our patients may include, but are not limited to:

HOPE**Program Overview****Revised: 02/01/20**

1.4.1 Infusion Therapies

1. Antibiotics, antifungals, antivirals
2. Biologics medications
3. Total parenteral nutrition
4. Enteral therapy
5. Hemophilia therapies
6. Pain management medications
7. Hydration
8. Anti-emetics
9. Immune globulin
10. Inotropic therapy
11. Steroid therapy
12. Iron overload therapy
13. Intravenous catheter line maintenance
14. Other therapies

1.4.2 Care and Services

Provided Directly by The Company Staff

1. Nutritional assessment and support
2. Pharmacy admixture
3. Pharmacy clinical monitoring
4. Medical supply management
5. Delivery services
6. Durable medical equipment (DME)
7. Infusion and enteral equipment management
8. Reimbursement services
9. Administration of Medication
10. Patient Care Management
11. Co-pay assistant programs
12. Other services

Provided Indirectly through Sub-Contractual Agreements

1. Infusion therapy nursing and skilled nursing, where licensed to do so
2. Physical therapy
3. Occupational therapy

1.5 Indicators

HOPE**Program Overview**

Revised: 02/01/20

The Company HOPE Program encompasses the entire organization. The program focuses on those critical patient and organizational (business) indicators that have been identified by the managers and our accrediting organization(s). The program may be expanded to include further assessments of performance, as the need is determined. A list of indicators follows. For a more complete description of each indicator, refer to the following sections of this policy.

1.5.1 Business Indicators (~~reported per month~~):**Home Infusion Therapy (HIT)**

New patient admissions
 Patients discharged
 Total referrals, including cancelled
 Number of prescriptions filled
 Number of doses dispensed
 Other indicators as requested

Infusion Centers (IVC)

Referrals
 Patient Census

1.5.2 Clinical Indicators

1. Central venous catheter infections
2. Peripheral venous catheter infections
3. Midline catheter infections
4. PICC infections
5. Adverse drug reactions
6. Unscheduled Hospitalization related or unrelated to prescribed therapy
7. Interruption of therapy (any reason)
8. Discontinuation of therapy prior to prescribed completion
9. Equipment /HME failure requiring removal or replacement of equipment from location of therapy administration
10. An allergic or anaphylactic reaction to prescribed infusion therapy
11. Unscheduled delivery of medication, supplies, equipment, etc.
12. Medication errors resulting in patient receiving improper medication
13. Patient Complaints/ Dissatisfied Patient
 - a. Level 1 Complaint – escalated to manager or BREACH
 - b. Complaint about Paragon Clinical Services
 - c. Complaint about Delivery Time
 - d. Complaint about Home Health / Nursing
14. Patient infection unrelated to current diagnosis

HOPE**Program Overview****Revised: 02/01/20**

15. Employee Infections - those that are communicable or would keep staff from face to face contact with patient and/ or entering pharmacy clean room. (eg: flu, pink eye, skin/rash, GI, TB, shingles, etc)
16. HEMO: Minor bleed not requiring treatment (including factor infusion)
17. HEMO: Minor bleed requiring use of home active dose(s); no other treatment
18. HEMO: Major bleed requiring medical intervention, other than home active doses
19. HEMO: Development or suspected development of an inhibitor
20. SPECIALTY Cold Chain problem
21. SPECIALTY RPh denial of services
22. SPECIALTY Billing error

1.5.3 Other Elements:

Quality assessment reports
Patient satisfaction surveys
Staff Satisfaction surveys
Provider / Referral Source surveys

1.6 HOPE Program Summary

This program was initiated in January 2009. The goals of this program are to standardize an outcomes program in all The Company centers, to include critical patient care elements in the program, to stratify the application of the program to various levels of patient service, and to streamline the data collection process by utilizing the EMR system as much as possible. Also, it is recognized that staff commitment to the outcomes program is critical to the success of the program, so efforts have been made to make the program as simple as possible, yet comprehensive in nature.

The Outcomes Program focuses primarily on the infusion patient, because this patient population is most at risk for life-threatening adverse events such as sepsis and anaphylaxis. However, patients in every category are monitored for equipment malfunctions, risk events, and patient complaints.

Business indicators are reported as a monthly total unless otherwise requested.

Each center of the company collects monthly data for the indicators listed in section 1.5 above. This data is reported to the home office. Specific reporting instructions for each indicator are contained in the following sections of this policy.

At the local center level, all staff members are encouraged to carefully consider whether any other problem areas exist, outside of the business indicator list in section 1.5. It is expected that if

HOPE**Program Overview****Revised: 02/01/20**

any are identified, the local center will review with site manager and determine if FADE project implementation is needed.

Performance Improvement activities include an annual evaluation of the organization. The annual evaluation is summarized in a written report which will include:

- The effectiveness, quality and appropriateness of care/service provided to the clients/patients
- Effectiveness of the overall administrative and fiscal operations
- Effectiveness of all programs including care/service provided under contractual arrangements
- Utilization of personnel
- Review and revision of policies and procedures and forms used by the organization
- The annual Performance Improvement Report

Nursing**Standards of Practice****Revised:**/**/******POLICY STATEMENT**

The Company will provide Home Infusion Therapy services that are in compliance with acceptable professional standards for infusion nursing as well as all state and federal laws and regulations.

APPLICABLE DOCUMENTS/REFERENCES: State Rules/Regulations, State Nurse Practice Act, The Company policies and procedures, INS Standards and IgNS Standards.

PURPOSE

To identify and define the accepted standards of practice The Company is committed to following in providing Infusion Nursing services, while in the home, suite or clinic.

PROCEDURE

1. The Company nursing staff will practice within the guidelines of their stated discipline.
2. All staff will be knowledgeable regarding laws and regulations governing Home Infusion Therapy services and home health services.
3. All staff will be knowledgeable of The Company's policy and procedures and/or job description prior to providing direct patient care.
4. Staff will have access to applicable rules/regulations via electronic access and/or written documents such as the following:
 - a. State Nurse Practice Act
 - b. The Company Policy and Procedures
 - c. Infusion Nurses Society Standards
 - d. Immunoglobulin Nurse Society Standards

Nursing**Competency Validation****Revised:****01/04/21****POLICY STATEMENT**

Purpose of this policy is to establish guidelines for management of infusion patients and monitor for potential complications by promoting safe and consistent patient care by establishing a baseline evaluation of skilled nursing by documenting competency. This will be performed upon hire and repeated annually thereafter to determine need for teaching and/or remediation in evaluated areas.

APPLICABLE DOCUMENTS/REFERENCES: RN Checklist Competency

PROCEDURE

1. RN providing support/care must hold an active license in the state which he/she will be practicing professional nursing.
2. RN must complete a competency evaluation prior to delivering patient care. Competence includes knowledge, application, critical thinking skills, decision making skills, and psychomotor skills and will address specific populations such as age-specific needs.
3. RN is required to adhere to mandatory continuing education requirements for disease specific therapies, where applicable.
4. RN is required to maintain a current CPR certification.
5. RN is responsible for attaining and maintaining competence with infusion therapy and all skills associated with such therapies, within his/her scope of practice.
6. The organization is responsible for assessment and validation of RN initial competencies (prior to patient care being performed) and on an ongoing basis. If scope of practice changes or new procedures/technology/equipment is introduced, the organization will provide education and training.
7. Competency validation will be documented and maintained in the employee records.
8. Contracted employees, including third party nurses, will be required to adhere to Paragon's policy and procedure requirements including but not limited to competency validation and outcome monitoring.
9. Paragon does not validate competencies of third party nursing and therefore those agencies must be able to provide proof of competency validation.
10. RN checklist competency form to be reviewed and updated annually and as needed to include any special education, experience, or licensure-certification requirement necessary to administer specific pharmaceuticals and/or perform special treatments.

CareMax Pharmacy of Loudon Inc. (East)
Certificate of Need Application CN2210-039
Application to Establish a Home Care Organization to Initiate and Provide Home
Health Infusion Services
Supplemental Response #1
November 10, 2022

CareMax Pharmacy of Loudon Inc., referred henceforth as “Paragon,” has provided the following responses to the HFC staff’s request for supplemental information regarding the above referenced CON application.

1. Item 7A., Ownership

Does the applicant share common ownership of 5% of more with any other licensed health care entities in Tennessee?

Response: Paragon operates two licensed pharmacies in Tennessee, one each in Knoxville and Nashville. There are no other licensed health care entities in Tennessee with which Paragon shares common ownership of 5% or more.

2. Item 1E., Overview

Please briefly describe a typical visit, including length of time, standard services covered, frequency of visits with a physician, how refill orders are processed, and how other services that may be needed will be provided (e.g. homemaker aide assistance, etc.).

Response: A typical home infusion visit can last from 45 minutes to ten hours, depending on the medication to be infused and the time that medication takes to infuse. Upon arrival, the administering nurse takes the patient’s vitals and performs a quick physical assessment, then starts a peripheral (short) IV or access port to access the patient’s bloodstream to administer the appropriate medication. Vital signs are required at specific time intervals prior to increasing the rate of the infusion and are monitored throughout the entire infusion to ensure that the patient is tolerating the medication appropriately. Once the infusion is complete, the nurse removes the IV access and monitors the patient for at least another 30 minutes before leaving the patient’s home.

The frequency of physician visits is determined by the patient’s physician, not by Paragon. Any refill orders are processed in the same way as the original

prescription. When a physician's office sends a prescription to Paragon's pharmacy, the prescription is filled and delivered via third party (FedEx, UPS, local medical courier service, etc.) to the patient's home. The infusion therapy nurse does not deliver the medications to the home.

It should also be noted that a home health agency (HHA) limited to providing infusion care, as Paragon proposes, does not enter a patient's home to evaluate a patient's need for other services such as physical therapy, occupational therapy, speech therapy, medical social worker, or aides, because infusion therapy nurses are fulfilling a specific order to infuse a specific medication as often as the prescription indicates. As such, home infusion nursing does not involve orders to admit and evaluate patients for home care needs like a traditional HHA performs. Based on the needs of a particular patient, Paragon can and will treat patients in parallel with other agencies. In other words, patients can be receiving care from another HHA for non-infusion services and can continue receiving those services while Paragon also provides the infusion therapy.

In which other states does the applicant provide home infusion therapy services through its own licensed home health agency?

Response: Paragon provides home infusion therapy services through its own licensed HHA in Texas and Colorado. Of note, Paragon provides infusion nursing services in Georgia and Alabama, but those states do not require a home health license to provide the service. Irrespective of state licensure requirements, all Paragon HHAs are accredited by ACHC.

Which home health agencies in the service area does the applicant currently work with to deliver home infusion services of its pharmaceuticals?

Response: Please see Attachment 2S for a list of HHAs in the service area that Paragon currently works with to deliver home infusion of its pharmaceuticals.

Please clarify if the applicant will be providing home infusion services that includes controlled substances?

Response: Paragon will not provide home infusion services that include controlled substances.

What are the risks of a patient experiencing a reaction to the medication because of a first dose administered by a home health agency in the home?

Response: Paragon will only provide the first dose of a medication in a patient's home if possible reactions can be managed by medication alone, and do not

require medical equipment such as oxygen. Paragon is able to provide necessary medications in the event of an allergic reaction, including epinephrine (EPI pen), Benadryl, and other medications for specific reactions. The infusion nurse administering the medication has special training in responding to expected reactions, including the knowledge of when a reaction necessitates calling emergency services.

If a patient is new, typically are the first infusion doses administered in a controlled setting such as a hospital, infusion center, MD office, clinic, etc.?

Response: Paragon will typically administer the first infusion dose in the patient's home, if appropriate, based on the possible reactions and the management of such reactions. If a medication requires medical equipment or oxygen to manage a possible reaction, Paragon will recommend that the first dose be administered in a facility setting.

3. Item 3N., Demographics

There appears to be a typo in the following row of the demographic table of Attachment 3N:

- **Total Population Current Year 2022 – Fentress County**
- **Target Population Current Year 2022 – Fentress County**

Please revise the above-referenced items as well as any other affected rows and resubmit Attachment 3N (labeled as Attachment 3NR).

Response: Please see Attachment 3NR.

4. Item 4N., Special Needs of the Service Area Population

Please discuss the extent to which TennCare patients are eligible for infusion services, both pharmaceutical and infusion center, through the applicant's existing facilities. What percentage of the patient base for the applicant's other entities are Medicare or TennCare patients?

Response: TennCare patients are eligible for infusion therapy services, both through the pharmacy and in the infusion center, and Paragon's existing pharmacies and infusion centers in Tennessee accept and serve TennCare patients.

To date in 2022, 37.1 percent and 28.6 percent of Paragon's patients in Tennessee were Medicare and TennCare, respectively. The balance of patients were

commercial, other managed care, pharmacy benefit manager (PBM), out of network, or self-pay.

5. Item 5N., HHAs in the Proposed Service Area

Attachment 1N-5 Service Area Utilization is noted. However, it appears that two home health agencies reported providing infusion visits in 2021 which are not listed in the final column of the table - Vanderbilt HC Option Care IV Services - State ID 19994, and Maxim Healthcare Services - State ID 33433. Please update the table with the number of infusion visits provided by these agencies in the service area in 2021.

There also appear to be errors in the utilization data for the following agencies:

- **33083 - Guardian Home Care LLC (Hamilton) in 2020 and 2021**
- **94074 - Guardian Home Care of Nashville LLC (Williamson) is missing from the table.**

Please revise and resubmit Attachment 1N-5 (labeled as Attachment 1N-5R).

Response: Please see Attachment 1N-5R.

Please update Attachment 1N-9-2 with the two agencies listed above. Please revise and resubmit Attachment 1N-9-2 (labeled as Attachment 1N-9-2R).

Response: Please see Attachment 1N-9-2R.

6. Item 6N., Applicant’s Historical and Projected Utilization

Please show historical utilization in tables 6N-1 and 6N-2 for the East Tennessee service area specifically.

Response: Please see the tables below.

Table 6N-1R: Paragon patients residing in the 25 service area counties in East Tennessee who received infusion therapy medications from its Tennessee pharmacies

2020	2021	2022^	CAGR*
770	842	793	1.5%

^Annualized based on 10 months of actual 2022 data (661 patients)

*Compound annual growth rate

Please note that the sum of the numbers in the table above and the sum of the numbers in the corresponding table in the Middle Tennessee application will not equal the numbers in the original application, as those figures inadvertently

included patients for which a county of residence was not listed; in each year, approximately 10 percent of Paragon’s patient records do not include ZIP code information. While most of those patients likely do reside in the proposed service area, they have been conservatively excluded in Table 6N-1R. However, the total number of patients and the total growth rate over the three-year period is still similar and supports the projected growth rate.

Table 6N-2R: Paragon patients from Knoxville pharmacy appropriate for home infusion therapy for whom care from a traditional HHA was unavailable

2020	2021	2022^	CAGR*
88	88	317	89.8%

^Annualized based on 271 patients during the first 312 days of 2022.

*Compound annual growth rate

Please note that the totals shown above in Table 6N-2R are not necessarily limited to the East Tennessee service area counties. While Paragon maintains data for the counties of residence for its patients, the data regarding patients that were unable to be served by traditional HHAs are limited to the pharmacy serving the patient (i.e., Knoxville or Nashville), not the patient’s county of residence. Paragon has historically served some patients residing in the proposed Middle Tennessee service area counties from its Knoxville pharmacy and vice versa. As such, Paragon believes the data above are not an appropriate proxy for the number of patients to be served by each of its proposed HHAs. For that reason, Paragon used the approach in the original application of dividing the patients to be served evenly across its two proposed HHAs, as described in more detail below.

Please explain the growth in historical patients who are identified as being appropriate for home infusion therapy services being so much greater (88.7%) than the growth in patients receiving infusion therapy medications.

Response: To clarify, the growth in patients appropriate for home infusion therapy (88.7%, and as updated above based on more recent data, 89.8%) reflects a growth in patients appropriate for home infusion therapy for which Paragon was unable to find an existing HHA willing and able to serve the patient. In other words, it is the dramatic growth in this specific patient population, those for which Paragon could not find another HHA to serve them, that drives the need for Paragon to obtain a CON and HHA license in order to serve these patients. Patients that existing HHAs are able to serve will continue to be referred to those agencies as a first preference. Paragon is seeking to meet only that need that is currently unmet – for its patients who cannot be cared for by traditional HHAs.

It is noted that the utilization projections, projected costs and revenue, and payor mixes are nearly identical for both this project and the companion

proposal for Middle Tennessee. Please provide additional detail supporting the reasonableness of these projections.

Response: As stated above, Paragon’s existing pharmacies in Knoxville and Nashville have historically served infusion patients in counties beyond the proposed service areas. In other words, patients residing in service area counties for Paragon’s proposed Knoxville-based HHA have been served through both its Knoxville and Nashville pharmacies. When contemplating the development of a HHA to serve its patients who cannot be referred to existing traditional home health agencies, Paragon considered a single agency licensed to serve all service area counties proposed in the two applications. Of note, other recently-approved HHAs proposing to provide only infusion therapy services have employed this approach. However, given the counties from which Paragon has not historically served patients and does not propose to serve in either of its applications, as well as the logistics involved in serving the number of counties proposed, Paragon believes that the most effective approach is to operate two separate HHAs.

Additionally, the Nashville pharmacy only recently opened – approximately one year ago, and its volume is still in the “ramp up” phase. As such, Paragon believes that the specific experience of that pharmacy is not as useful in projecting utilization for the service area, as its first year volume is small compared to Knoxville. But, volume in Paragon’s Nashville pharmacy is expected to grow rapidly. While Paragon does have data for its pharmacy patients by county of residence, the data showing the total number of patients who were unable to be served by traditional HHAs shows the pharmacy location serving the patient, not the patient’s county of residence.

The population of the Middle Tennessee service area is also considerably larger than the East Tennessee service area. In particular, while the total population of Middle Tennessee is 16.9 percent larger ($2,346,478 \div 2,005,565 = 1.169$), the target population is 27.1 percent larger ($1,989,983 \div 1,565,549 = 1.271$). As such, given the strong growth in volume as the Nashville pharmacy ramps up, as well as the higher total and target populations of the Middle Tennessee service area, Paragon believes the HHA volume will be similar between the two offices once they are licensed and operational.

Regarding the projected costs, they are similar because the only difference between the projects is the lease outlay costs, which are only slightly different between the two sites. The revenue is identical for the two applications because the utilization is projected to be the same (i.e, the same number of patients and visits), which drives revenue. The payor mixes are also identical because the balance of commercial and other payors that comprise the non-Medicare, non-TennCare patient populations are expected to be similar. As noted in the original

application, Paragon will serve Medicare and TennCare patients if they cannot be served by traditional HHAs; however, since Paragon will not be Medicare or TennCare certified, it will not bill those programs for nursing care provided through the HHA. Thus, Medicare and TennCare are not listed in the payor mix for the proposed HHA.

7. Item 4C., Availability and Accessibility of Human Resources

Please discuss whether the applicant will require its nursing staff to obtain any additional specific training requirements such as completion of the Certified Registered Nurse Infusion (CRNI) exam through the Infusion Nurses Society (INS).

Response: Paragon does not require home infusion nursing staff to be certified as CRNI at the patient level.

8. Item 8C., Proposed Charges

Please discuss the costs to patients of receiving the infusion therapy services in the infusion center setting vs. the proposed home infusion setting.

Response: The cost to patients of receiving infusion therapy services in the infusion center is greater than in the proposed home infusion setting. Specifically, Paragon does bill Medicare and TennCare for patients it serves in an infusion center, and those patients are also responsible for any co-pays when care is provided in an infusion center. Moreover, in the infusion center setting, patients and their caregivers incur the costs of traveling, both in terms of the travel costs, as well as the additional loss of time for work or other activities.

9. Item 8Q., Staffing Chart

Please clarify how on-call after hour's coverage will be handled. In your response, please clarify if the call center will be located in-state or out-of-state.

Response: Patients requiring 24/7 assistance receive such care from their local Paragon pharmacy, which is able to provide telephonic triage via an on-call pharmacy technician, pharmacist, or RN, as needed. As such, the call center is in-state and specific to the pharmacy filling the prescription for the patient.

Please clarify if the applicant will employ non-patient care positions, a Director of Nursing, and a Medical Director.

Paragon expects that one of the RNs hired to provide the home infusion therapy service will serve as the Director of Nursing to supervise the program, including the other RNs providing infusion therapy. The Medical Director will not be an employed (FTE) position but will be an independent local physician with whom Paragon contracts for medical director services.

Please clarify how 1.94 FTE Nurses will cover an average of 3.76 nursing visits per day in Year 1 while covering a 24-county service area. In your response please indicate whether the nurses will be based in the Knoxville (parent office), or field based.

As a non-traditional HHA limited to providing infusion therapy services for patients of pharmacies owned by Paragon Healthcare, Inc., Paragon will be able to schedule the required visits efficiently. Specifically, unlike traditional HHAs, Paragon will know in advance the specific requirements of its patients, such as the frequency of infusion therapy visits for each particular patient and the length of time required for each infusion. Infusions will be scheduled such that the nurse has a long infusion and one or more short infusions on the same day in the same area, not multiple longer infusions. Similarly, patients will be scheduled in the same area so that nurses do not have to drive from one end of the service area to the other in a single day. Moreover, 1.94 FTEs may be covered by multiple RNs that work part time and live in different parts of the service area. Some may be based in Knoxville, but others may live in other areas. The type of care provided will not require the nurses to be in the HHA office prior to serving patients. This is the method used successfully by Paragon in the other states in which it provides home infusion therapy services. This approach, combined with a relatively small number of patients, will allow the nurses to know their patients well and serve them more efficiently. Finally, the limited nature of the service, along with the length of the visit, which is typically longer than a traditional home health visit, results in a smaller administrative burden. Nurses often complete any charting or other administrative tasks as they monitor the patient during the infusion therapy visit.

Please respond to the following service specific criteria questions as an attachment labeled Attachment 1N-Supplemental #1.

10. Item 1N., Project Specific Criteria (Home Health), Item #3

Attachment 1N-3 is noted. However, the following rows appear to contain errors:

- **Marion County**
- **McMinn County**

Please revise and resubmit Attachment 1N-3 (labeled as Attachment 1N-3R).

Response: Please see Attachment 1N – Supplemental #1.

11. Item 1N., Project Specific Criteria, County Need Standard (Home Health), Item #4

It is noted that no letters of support are provided in response to Criterion #4. Does the applicant intend to provide any letters of support identifying instances of the following?

- a) health care providers had difficulty or were unable successfully to refer a patient to a home care organization and/or were dissatisfied with the quality of services provided by existing home care organizations based on Medicare’s system Home Health Compare and/or similar data;**
- b) potential patients or providers in the proposed Service Area attempted to find appropriate home health services but were not able to secure such services;**
- c) providers supply an estimate of the potential number of patients that they might refer to the applicant.**

Response: Please see Attachment 1N – Supplemental #1.

INDEX OF SUPPLEMENTAL ATTACHMENTS

Attachment 2S. Home Health Agencies in Service Area that Work with Paragon

Attachment 3NR. Service Area Demographics

Attachment 1N-5R. Service Area Utilization

Attachment 1N-9-2R. Infusion Visits and Hours

Attachment 1N – Supplemental #1. Service Specific Criteria Questions

Attachment 10S-1. Home Health Agencies by Licensed County (Marion and McMinn Only)

Attachment 10S-2. Joint Annual Reports Data – Marion County

Attachment 10S-3. Joint Annual Reports Data – McMinn County

Attachment 2S
Home Health Agencies in Service Area
that Work with Paragon

Agency
Adoration Home Health
Advanced Home Care
Amedisys Home Health
Ballad Home Health
Blount Home Services
Brightstar
Camellia Home Health
CHI Memorial
Children's Hospital Home Health
Covenant Home Health
East Tennessee Children's Home Health
Encompass Home Health
Enhabit Home Health
Erlanger Home Health
Guardian Home Health
Hancock County Home Health
HHC of East Tennessee
Highlands Home Health
Home Care Options
Home Care Solutions
Home HC of East Tennessee
Interim HC
Intrepid Home Health
Kindred Home Health
Laughlin HHC
Life Care at Home
Maxim Home Health
Memorial Home Health
Mountain States Home Health
NHC Healthcare
Procare Home Health
Professional Case Management
Professional Home Health Care
Quality Health Care
Smoky Mountain Home Health
Sunbelt Home Health
Suncrest Home Health
Sweetwater Home Health
Tennessee Home Health
Tennova Home Health
The Home Option
UT Home Health Care
UT Home Health
Whitley CO Home Health
Zion Way Home Health

Attachment 10S-1
Home Health Agencies by Licensed
County (Marion and McMinn Only)

Home Health Agencies In:

Source: Department of Health Licensure - 9/23/2021

Marion County

Number of Agencies Licensed for County: 25

Home Health Care of East Tennessee and Hospice	(Bradley)
Tennessee Home Health	(Bradley)
Suncrest Home Health	(Coffee)
Advanced Nursing Solutions	(Davidson)
Coram CVS Specialty Infusion Services	(Davidson)
Elk Valley Health Services Inc	(Davidson)
Home Care Solutions, Inc	(Davidson)
Optum Women's and Children's Health, LLC	(Davidson)
Pentec Health	(Davidson)
Vanderbilt HC w/ Option Care IV Services	(Davidson)
Amedisys Home Care	(Franklin)
Encompass Health Home Health	(Franklin)
Amedisys Home Health	(Hamilton)
CHI Memorial Health at Home	(Hamilton)
Erlanger Continucare Home Health (Continuare II)	(Hamilton)
Erlanger Continucare Home Health (Continuare I)	(Hamilton)
Home Care Solutions	(Hamilton)
Kindred at Home	(Hamilton)
Maxim Healthcare Services	(Hamilton)
NHC Homecare	(Hamilton)
Encompass Health Home Health	(Knox)
Implanted Pump Management	(Knox)
Amedisys Home Health Care	(Rutherford)
Accredo Health Group, Inc	(Shelby)
Optum Infusion Services	(Shelby)

Home Health Agencies In:

Source: Department of Health Licensure - 9/23/2021

McMinn County

Number of Agencies Licensed for County: 29

Home Health Care of East Tennessee and Hospice	(Bradley)
Tennessee Home Health	(Bradley)
Tennova Home Health - Cleveland	(Bradley)
Advanced Nursing Solutions	(Davidson)
Elk Valley Health Services Inc	(Davidson)
Home Care Solutions, Inc	(Davidson)
Optum Women's and Children's Health, LLC	(Davidson)
Pentec Health	(Davidson)
Vanderbilt HC w/ Option Care IV Services	(Davidson)
Encompass Health Home Health	(Franklin)
Premier Support Services, Inc	(Hamblen)
Amedisys Home Health	(Hamilton)
CHI Memorial Health at Home	(Hamilton)
Erlanger Continucare Home Health (Continuare II)	(Hamilton)
Erlanger Continucare Home Health (Continuare I)	(Hamilton)
Guardian Home Care, LLC	(Hamilton)
Home Care Solutions	(Hamilton)
Kindred at Home	(Hamilton)
Maxim Healthcare Services	(Hamilton)
NHC Homecare	(Hamilton)
Coram CVS/Specialty Infusion Services	(Knox)
Encompass Health Home Health	(Knox)
Implanted Pump Management	(Knox)
NHC Homecare	(Knox)
NHC Homecare	(McMinn)
Intrepid USA Healthcare Services	(Monroe)
Sweetwater Hospital Home Health	(Monroe)
Accredo Health Group, Inc	(Shelby)
Optum Infusion Services	(Shelby)

Attachment 10S-2
Joint Annual Reports Data -
Marion County

Facility ID Info						Utilization - Marion
						Total
JAR Year	Facility ID	Lic Number	State ID	Facility Name	County	Total
2021	357	14	06063	Adoration Home Health and Hospice Care East TN	Bradley	243
2021	366	29	16034	Suncrest Home Health	Coffee	59
2021	374	42	19494	Elk Valley Health Services, LLC	Davidson	1
2021	379	471	19654	Optum Womens and Childrens Health, LLC	Davidson	3
2021	387	624	19734	Coram CVS Speciality Infusion Services	Davidson	1
2021	388	632	19744	Pentec Health, Inc.	Davidson	3
2021	517	635	19754	Intrathecal Care Solutions dba Advanced Nursing So	Davidson	3
2021	506	604	19994	Vanderbilt HC Option Care IV Services	Davidson	3
2021	396	83	26024	Caresouth HHA Holdings of Winchester, LLC	Franklin	52
2021	397	82	26054	Amedisys Home Care	Franklin	1
2021	406	111	33033	NHC Homecare	Hamilton	31
2021	408	100	33093	Gentiva Health Services	Hamilton	23
2021	409	113	33103	Amedisys Home Health	Hamilton	177
2021	410	98	33213	Continuicare Healthservices, Inc. - I	Hamilton	121
2021	411	103	33253	CHI Memorial Health at Home	Hamilton	79
2021	412	109	33303	Tennessee Home Health	Hamilton	1
2021	413	338	33363	Home Care Solutions	Hamilton	28
2021	414	108	33383	Continuicare Healthservices, Inc. - II	Hamilton	1
2021	416	613	33433	Maxim Healthcare Services	Hamilton	4
2021	452	191	67024	Amedisys	Overton	3
2021	474	347	79456	Accredo Health Group, Inc.	Shelby	2
					TOTAL	839

Attachment 10S-3
Joint Annual Reports Data -
McMinn County

Facility ID Info						Utilization - McMinn
						Total
JAR Year	Facility ID	Lic Number	State ID	Facility Name	County	Total
2021	351	620	01042	Professional Case Management of Tennessee	Anderson	1
2021	356	13	06043	Family Home Care, Cleveland	Bradley	79
2021	357	14	06063	Adoration Home Health and Hospice Care East TN	Bradley	129
2021	376	56	19544	Home Care Solutions	Davidson	20
2021	388	632	19744	Pentec Health, Inc.	Davidson	2
2021	517	635	19754	Intrathecal Care Solutions dba Advanced Nursing So	Davidson	2
2021	506	604	19994	Vanderbilt HC Option Care IV Services	Davidson	1
2021	408	100	33093	Gentiva Health Services	Hamilton	14
2021	409	113	33103	Amedisys Home Health	Hamilton	254
2021	410	98	33213	Continuicare Healthservices, Inc. - I	Hamilton	29
2021	411	103	33253	CHI Memorial Health at Home	Hamilton	2
2021	412	109	33303	Tennessee Home Health	Hamilton	139
2021	413	338	33363	Home Care Solutions	Hamilton	10
2021	414	108	33383	Continuicare Healthservices, Inc. - II	Hamilton	4
2021	416	613	33433	Maxim Healthcare Services	Hamilton	5
2021	425	143	47012	NHC Homecare	Knox	1
2021	427	144	47062	Encompass Health Home Health	Knox	191
2021	429	156	47132	University of TN Medical Center Home Care Services - Home Health	Knox	1
2021	505	628	47442	Coram CVS Specialty Infusion Services	Knox	2
2021	437	166	54043	NHC Homecare	McMinn	66
2021	447	190	62052	Intrepid USA Healthcare Services	Monroe	28
2021	448	189	62062	Sweetwater Hospital Home Health	Monroe	103
2021	474	347	79456	Accredo Health Group, Inc.	Shelby	2
2021	496	607	94074	Guardian Home Care of Nashville	Williamson	541
				TOTAL		1626

AFFIDAVIT

STATE OF NORTH CAROLINA

COUNTY OF Durham

NAME OF FACILITY: Care Max Pharmacy of Loudon, Inc.

I, Daniel Carter , after first being duly sworn, state under oath that I am the applicant named in this Certificate of Need application or the lawful agent thereof, that I have reviewed all of the supplemental information submitted herewith, and that it is true, accurate, and complete.

 D. Carter / Vice President
Signature/Title

Sworn to and subscribed before me, a Notary Public, this the 9th day of November 20 22 witness my hand at office in the County of Durham , State of Tennessee.

 Wendolyn Filmore-Mitchell
NOTARY PUBLIC

My commission expires 6-10- , 2025 .

HF-0043

Revised 7/02

