

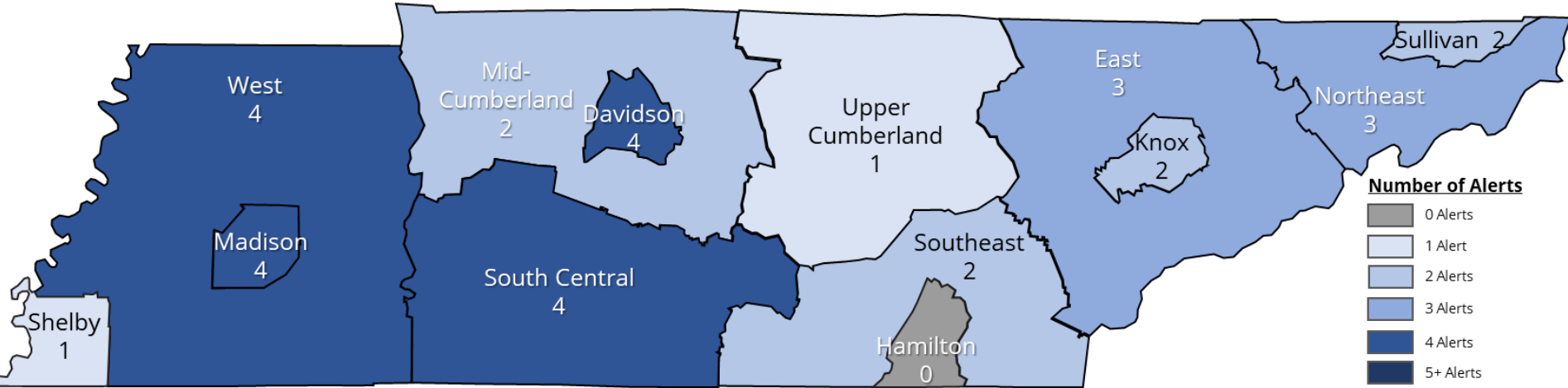


# **Suicide Syndromic Surveillance Quarterly Data Brief January – March 2024**

**Injury Prevention & Detection – Family Health and Wellness**

# Maps of Suicide Related Behavior ESSENCE Alerts, CY2024 Q1

## Region/Metro ESSENCE Alerts\*, Children (5-17)

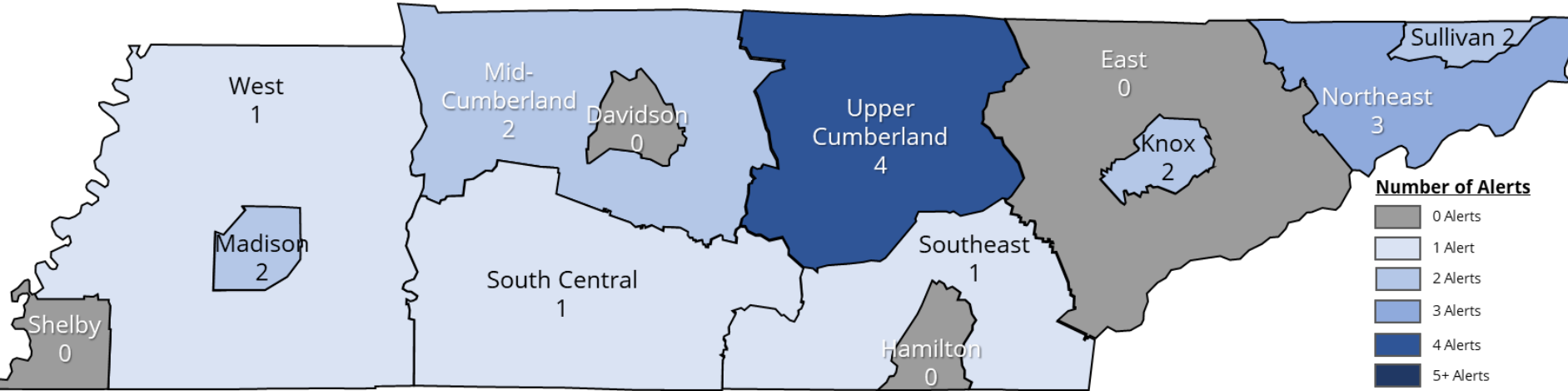


For the 5-17 age group, alerts were primarily concentrated in the rural, West and South Central health regions of the state, as well as Madison and Davidson counties.

\* ESSENCE alerts are generated when the number of ED visits for suicide related behavior on one day in the metro or region were statistically significantly above the expected value based on the previous 28 days.

# Maps of Suicide Related Behavior ESSENCE Alerts, CY2024 Q1

## Region/Metro ESSENCE Alerts, Young Adults (18-24)\*

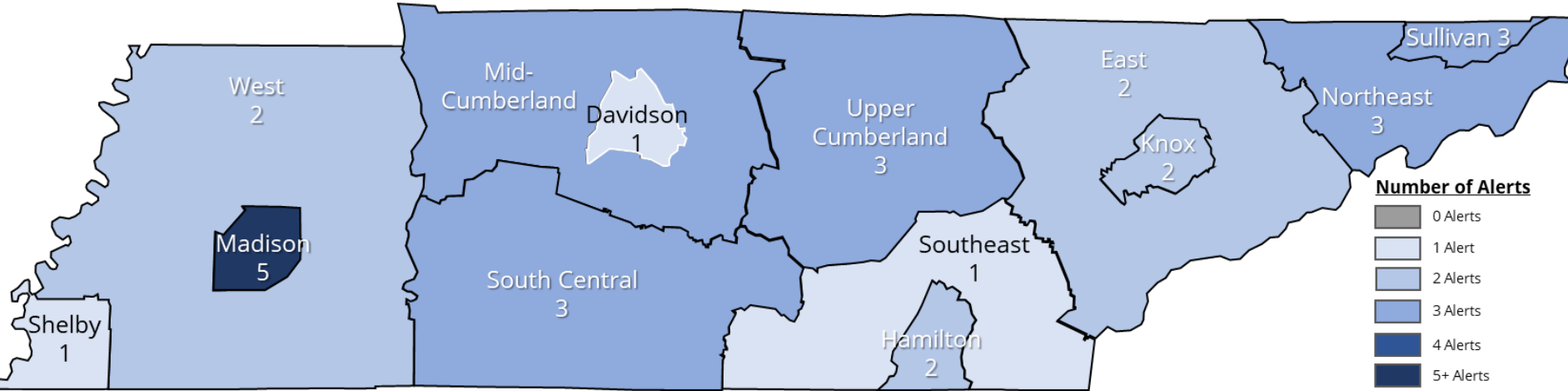


The 18-24 age group saw its alerts concentrated primarily in the Upper Cumberland health region.

\* ESSENCE alerts are generated when the number of ED visits for suicide related behavior on one day in the metro or region were statistically significantly above the expected value based on the previous 28 days.

# Maps of Suicide Related Behavior ESSENCE Alerts, CY2024 Q1

## Region/Metro ESSENCE Alerts, Adults (25-44)\*

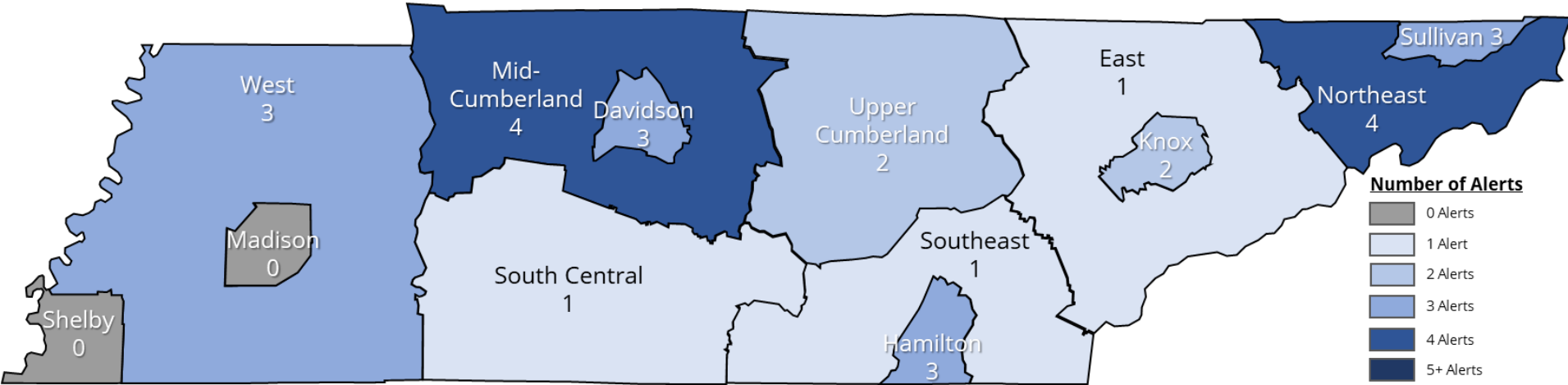


Madison County was the primary location for alerts in the 25-44 age group and the only area with 5 alerts in 2024 Q1.

\* ESSENCE alerts are generated when the number of ED visits for suicide related behavior on one day in the metro or region were statistically significantly above the expected value based on the previous 28 days.

# Maps of Suicide Related Behavior ESSENCE Alerts, CY2024 Q1

## Region/Metro ESSENCE Alerts, Adults Middle Aged (45-64)\*

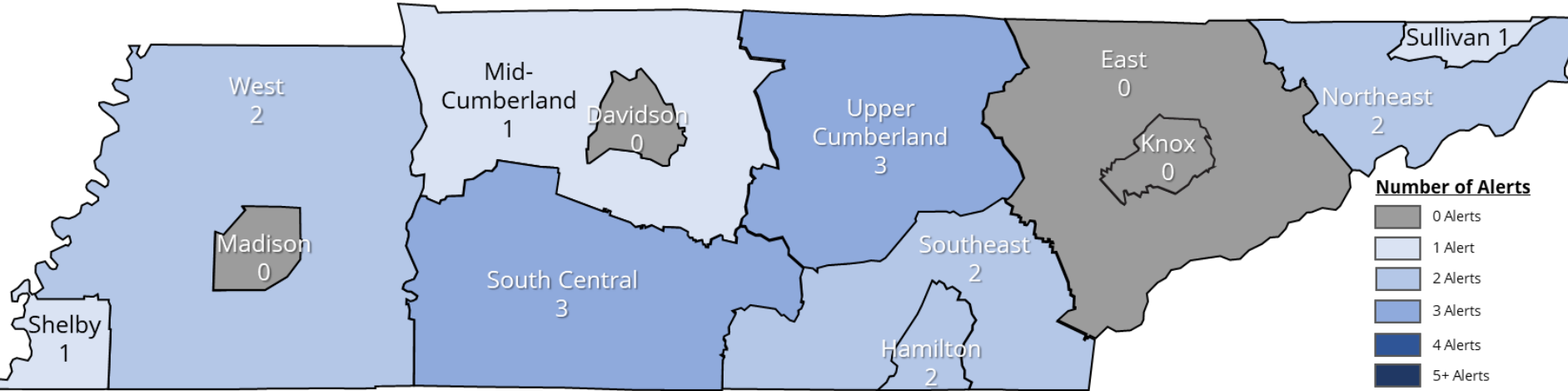


The 45-64 age group saw the most alerts issued in the Mid-Cumberland and Northeast health regions.

\* ESSENCE alerts are generated when the number of ED visits for suicide related behavior on one day in the metro or region were statistically significantly above the expected value based on the previous 28 days.

# Maps of Suicide Related Behavior ESSENCE Alerts, CY2024 Q1

## Region/Metro ESSENCE Alerts, Older Adults (65+)\*



While the 65+ age group had the least number of alerts issued overall, they were concentrated in the Upper Cumberland and South Central health regions.

\* ESSENCE alerts are generated when the number of ED visits for suicide related behavior on one day in the metro or region were statistically significantly above the expected value based on the previous 28 days.

# Suicide-Related ESSENCE Alerts: CY2024 Q1

## Regions/Metros Seeing the Most Alerts

Age Group	Regions/Metros	Number of Alerts
Children (5-17)	Madison, Davidson, South Central, West	4
Young Adults (18-24)	Upper Cumberland	4
Adults (25-44)	Madison	5
Adults Middle-Aged(45-64)	Mid-Cumberland, Northeast	4
Older Adults (65+)	South Central, Upper Cumberland	3

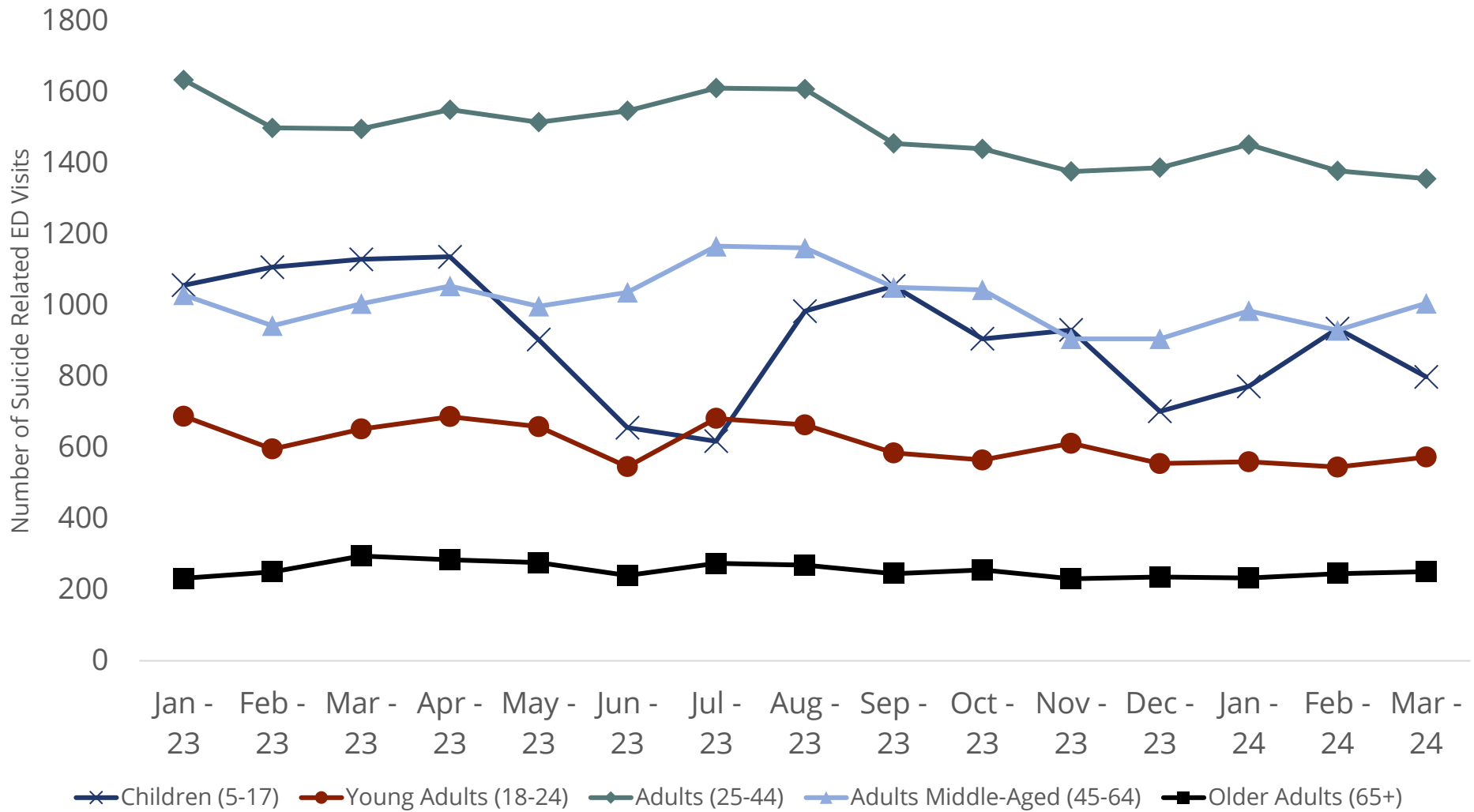
## Statewide Change in Suicide Related ER Visits

Age Group	Total ER Visits	Percent Change in a Quarter
Children (5-17)	2506	-1.3%
Young Adults (18-24)	1678	-3.1%
Adults (25-44)	4189	-0.4%
Adults Middle-Aged (45-64)	2921	+2.3%
Older Adults (65+)	729	+0.8%

Blue = Decrease from previous quarter

Red = Increase from previous quarter

# Suicide-Related ED Visits, CY2023 Q1 vs. CY2024 Q1





# Highlighted Risk Factors: CY2024 Q1

## Risk Factors

- **Children (5-17):** Bullying, Family conflict, Sexual violence, Foster care, Child abuse
- **Young Adults (18-24):** Pregnancy, Pregnancy loss, Previous suicide attempt
- **Adults (25-44):** Homelessness, Sexual violence, Unable to take prescribed medication due to cost/insurance
- **Adults Middle Aged (45-64):** Suicide of relative, Loss of job, Chronic pain
- **Older Adults (65+):** Previous suicide attempt, Alzheimer's, Dementia, Death of spouse

# Highlighted Self-Harm Methods: CY2024 Q1

## Intentional Self-Harm and Suicidal Behavior

- **Children (5-17):** Cutting and self-mutilation, Overdose on non-prescription medication, Hanging, Cutting, Running out into traffic
- **Young Adults (18-24):** Overdose on selective serotonin reuptake inhibitors (SSRI), Threats to crash car, Poisoning by toxic substances
- **Adults (25-44):** Firearms, Burning self
- **Adults Middle Aged (45-64):** Firearms, Plans / Threats to jump
- **Older Adults (65+):** Overdose on medication