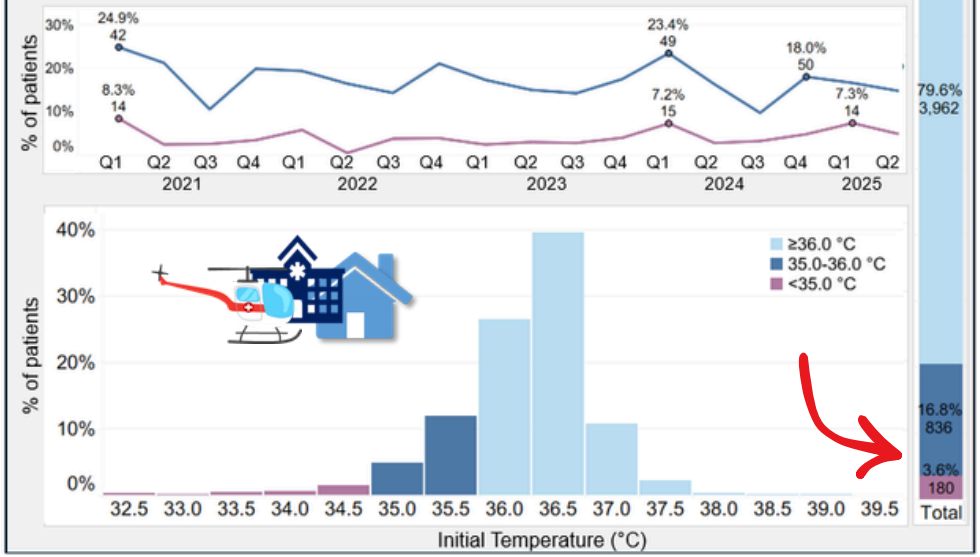
Initial Temperatures of Trauma Patients (°C), Virginia Statewide Trauma Registry, 2021-2025

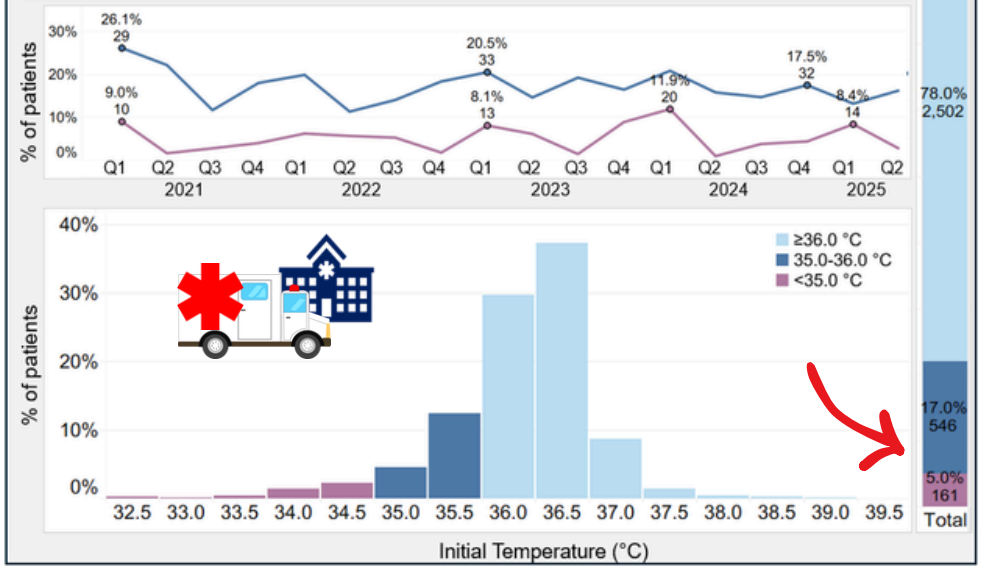
Hypothermic Air-Transported Patients

Between January 2021 and June 2025, **3.6%** of injured patients (any ISS) transported by air medical to any facility (trauma or non-trauma centers) in Virginia were **hypothermic (<35 °C)** and **16.8%** were **near hypothermic (35-36 °C)**, based on initial temperature recorded within 30 minutes of arrival.
N=4,978 | Mean ISS: 13.6 | Median (IQR) ISS: 10 (5-18)



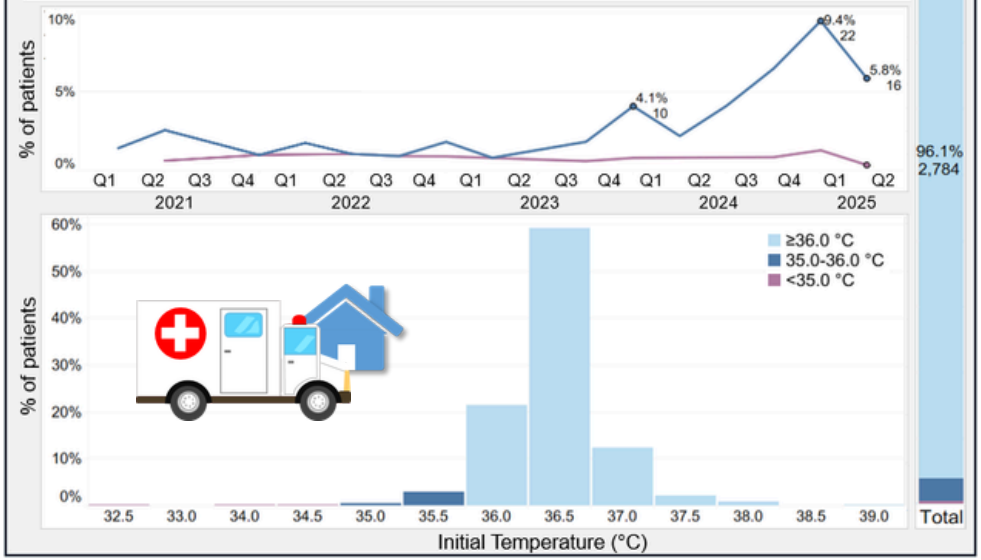
Hypothermic Ground-to-Trauma Center Major Trauma Patients

Between January 2021 and June 2025, **5.0%** of major trauma patients (i.e., trauma-activated and ISS ≥20) transported by ground ambulance to Level I–III or Pediatric Trauma Centers in Virginia were **hypothermic** and **17.0%** were **near hypothermic (35-36 °C)**, based on initial temperature recorded within 30 minutes of arrival.
N=3,209 | Mean ISS: 28.0 | Median (IQR) ISS: 26 (22-30)



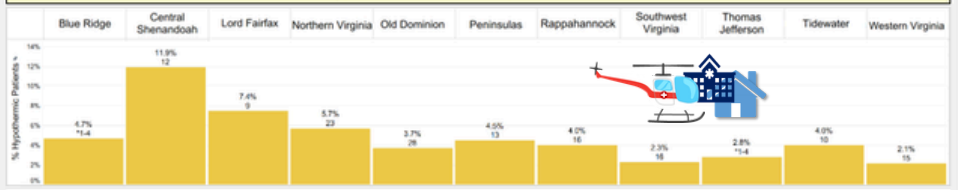
Hypothermic Ground-to-Non-Trauma Center Trauma-Activated Patients

Between January 2021 and June 2025, **0.5%** of trauma-activated patients (any ISS) transported by ground ambulance to non-trauma centers in Virginia were **hypothermic** and **3.4%** were **near hypothermic (35-36 °C)**, based on initial temperature recorded **within 10-minutes of arrival**.
N=2,896 | Mean ISS: 6.0 | Median (IQR) ISS: 4 (4-9)

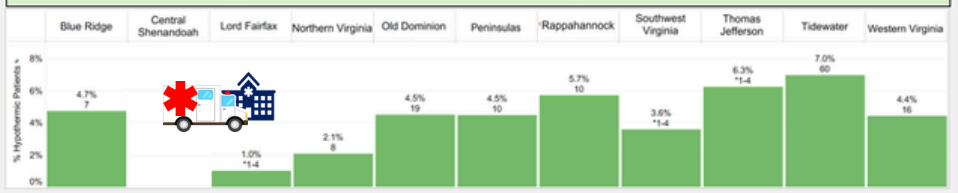


Proportion of Hypothermic Patients (<35.0 °C) by EMS Region of Injury Location

Hypothermic Air-Transported Patients



Hypothermic Ground-to-Trauma Center Major Trauma Patients



To protect confidentiality, counts between 1-4 have been suppressed and denoted with an asterisk (*).

Visit the interactive dashboard for more information on methodology and to explore the data yourself: https://tinyurl.com/InitialTemp.

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Please reach out to epi.oems@vdh.virginia.gov with questions.

VDH Virginia Department of Health
Office of Emergency Medical Services