



South Dakota Department of Health

Stroke Care in South Dakota

Melissa Magstadt, Cabinet Secretary



What is Public Health?

Public health is the science of protecting and improving the health of families and communities through promotion of healthy lifestyles, research for disease and injury prevention, and detection and control of infectious diseases.



VISION
Every South Dakotan
Healthy and Strong

MISSION
Working together to
promote, protect, and
improve health



Why We Need a Stroke System of Care



- One of the leading cause of death & disability nationwide
- Time-critical care significantly impacts outcomes
- Rural geography creates access and coordination challenges
- Current care is not standardized across facilities
- A system ensures consistent protocols, rapid response, & quality improvement
- Builds on the proven success of our trauma system



What is a Stroke System of Care?

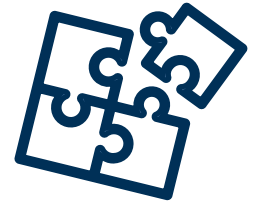
Coordinated Network of:

- EMS
- Hospitals
- Public Health
- Post-acute care



Includes:

- Stroke Protocols (EMS/hospital)
- Quality Improvement (PI)
- Data Sharing
- Community Education



South Dakota's Trauma System: A Proven Model

- Created in 2008 with the 3 large healthcare systems
- System of Care
- Standardized Protocols & Standardized Care
- Statewide Trauma Registry
- Statewide Performance Improvement
- Annual Trauma Meeting and Training



Applying What Works to Stroke

- Why Model Stroke After Trauma?
 - Proven Outcomes
 - Framework Exists
 - Stakeholder Familiarity
- We aren't starting from scratch- we are evolving.



The State's Role

- Facilitation and Coordination
- Stroke System Designation Criteria
- Data Infrastructure
- Public Awareness and Education
- EMS Protocol Integration



South Dakota + AHA: Advancing Stroke Care Together



- \$5M+ stroke via *Mission: Lifeline Stroke* (October 2024)
 - Supported by the Helmsley Charitable Trust
- Post-Acute Stroke Initiative
 - Recruiting skilled nursing, rehab, and critical access hospitals
- Statewide Data Standardization in Progress
 - Moving from siloed hospital data to a unified stroke registry
- Alignment with National Standards
 - Several SD hospitals already recognized under ***Get with the Guidelines***®



Year One Impact

Critical Access Hospitals

- Platte Health Avera
- Bowdle Healthcare Center
- Sanford Vermillion
- Huron Regional
- Mobridge Regional Hospital
- Sanford Health Webster
- Monument Health Lead/Deadwood
- Monument Health Custer
- Monument Health Sturgis
- Community Memorial Hospital in Burke
- Pioneer Memorial Hospital & Health Services
- Avera St. Michael's
- Sanford Health Chamberlain
- Sanford Health Canton
- Sanford Health Clear Lake
- Avera Queen of Peace

Community Size Hospitals

- Avera Sacred Heart
- Prairie Lakes Healthcare System
- Sanford Aberdeen
- Monument Health Spearfish
- Avera St. Mary's
- Brookings Health System
- Avera St. Luke's

Certified Stroke Centers

- Avera McKennan
- Sanford USD Sioux Falls
- Monument Health Rapid City

Post-Acute Participants (SNF/CAH/Inpatient Rehab)

- Wakonda Heritage Manor Avera
- Avantara Redfield
- Avera Prince of Peace Retirement Community
- Avantara North
- Avantara Groton
- Avantara Watertown
- Avantara Mountain View
- Bethany Home Brandon
- Bethany Home Sioux Falls
- Sunset Manor Avera
- Platte Health Center Avera
- Monument Health Sturgis Hospital
- Bowdle Healthcare Center
- St. Michael's Hospital Avera
- Sanford Vermillion Medical Center
- Avera St. Benedict Health Center
- Sanford Chamberlain
- Sanford Clearlake Medical Center
- Community Memorial Hospital
- Avera Eureka Health Care Center
- Faulkton Area Medical Center
- Madison Regional Health System
- Encompass Health Rehabilitation Hospital of Sioux Falls
- Avera McKennan Inpatient Rehab Unit
- Sanford Medical Center IP Rehab



Year One Impact Continued...

- Executive Committee, Task Force, and 10+ workgroups
- Focus areas: EMS, public awareness, data, rehab, legislation
- Developed standardized protocols and rural-focused training

Committee, Task Force and Workgroups

- SD Executive Committee
- Greater SD Stroke Task Force
- Stroke Coordinator Group
- EMS Stroke Subcommittee
- Legislative Subcommittee
- Quality and Data Analysis & Research Subcommittee
- Certification Subcommittee
- Conference Planning & Education
- Public Awareness & Outreach Subcommittee
- Post-Acute Care Subcommittee
- Rural Stroke Learning Collaborative



Stakeholder Partnerships

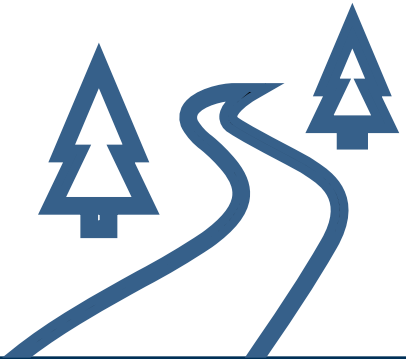
- Public Health
- Hospitals (Stroke Centers)
- EMS agencies
- Rehabilitation/Post-Acute Care
- Telemedicine Providers
- Community Organizations



Next Steps & Our Commitment

Where Do We Go From Here?

- Continue our work with the AHA
- Continue to Engage Stakeholders
- Develop Designation and Protocol Standards
- Continue With the ***Get With the Guidelines***[®]



THANK YOU!





SOUTH DAKOTA
DEPARTMENT OF HEALTH

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