Virginia Stroke Systems Task Force

Quarterly Meeting (Virtual Available) Meeting Location: Virginia College of Osteopathic Medicine, Blacksburg, VA April 19, 2024 | 10am – 3:00pm





WELCOME

VIRGINIA COLLEGE OF OSTEOPATHIC MEDICINE DEAN

Virtual Housekeeping

- PLEASE PUT YOUR NAME AND ORGANIZATION OR ROLE IN THE CHAT BOX
- Please remain on mute for the duration of the meeting, unless speaking.
- Please turn your camera on! It's always nice for the speaker to be able to see faces instead of talking to a bunch of blank squares.
- Open the chat box so you can view the discussion and ask any questions of the speaker. The chat box will be monitored by meeting hosts to ensure the questions are brought to the speakers' attention.
- If you want to speak to contribute to the conversation or ask a question, please use the "raise hand" feature found along the bottom of the participant's box.
- If joining the meeting over the phone only, you can mute and unmute yourself by pressing *6 on your phone's keypad.



10:00 - 10:05 Welcome 10:05 -- 10:25 VSSTF Business, co-chairs: Melanie Winningham, MD, Sentara Healthcare and David Long, Tidewater EMS 10:25 -- 10:40 State Stroke Triage Plan Updates, Ashley Camper, OEMS 10:40 -- 11:30 Workgroups Report Out 11:30-12:00 ZODIAC Trial, Stacie Stevens, VCU Healthcare 12:00 -- 12:30 Lunch 12:00 - 12:30 Simulation Center Tour - 2 Groups of 10 (Please Sign up if interested) 12:30 - 1:00 Rethinking Rehabilitation: Intensive Telerehabilitation to Maximize Recovery from Stroke, Kristin Nuckols, Imago Rehab 1:00-1:30EMS Blood Draw for Stroke Patients-Pros and Cons, Panel Discussion Elizabeth Hart, Sophea Booker, Pat Edwards, David Long, Melanie Winningham 1:30 -- 1:45 VDH Updates, Allie Lundberg, Epidemiologist, VDH Final Remarks and Wrap Up, Melanie Winningham and David Long, co-chairs 1:45 -- 2:00 2:00 -- 3:00 Virginia Stroke Coordinators Consortium Meeting, Elizabeth Hart, LewisGale, Corchairs, Mary Jobson-Oliver, incoming co-chair



Special thanks to Imago for sponsoring today's meeting!

CEUs will not be provided for the industry sponsored speaker on Rethinking Rehabilitation: Intensive Telerehabilitation to Maximize Recovery from Stroke

In the spirit of Collegiality and Professionalism, please be mindful of any information obtained and shared in this meeting that could be sensitive to an individual or an institution

VSSTF Business

- Approval of meeting minutes from January 19th meeting.
- New Voting Member Introductions
 - Daniel Linkins, EMS Representative
 - Dr. John Daniel, III, PCP Representative
- Voting Members Introductions
- Co-Chair Nominee Introductions
- New Co-Chair Voting





Welcome and Introductions

Welcome from VCOM

Introductions of VSSTF Voting Members

Name, Title, Organization/Hospital, City/County

For those joining virtually, introduce yourselves using the chat box to let your colleagues know you are here



VSSTF Co-Chair Nominations for April 2024 Voting (Nomination Information to come via email to VSSTF Voting Members) Reminder: VSSTF Structure

Co-chairs

- Two-year term; staggered
- Elected by VSSTF voting members

Voting members

- Listed positions are based on 2014 VSSTF Guidance Document with noted modifications
- Two-year term; staggered
- Open nomination, except organizational representatives
- Selected by VSSTF co-chairs
- Member may be reappointed for additional two-year terms
- Nonvoting members

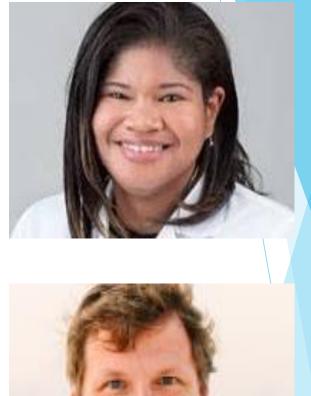
Co-Chair Nominees

Dr. Sherita Chapman

Stroke Section Chief, Central Virginia VA Medical Center Associate Professor, UVA Department of Neurology

John Gaughen, MD

 Stroke Medical Director, Centra Health Neurointerventional Medical Director, Centra Health







OFFICE OF EMS STROKE PLAN UPDATES

Ashley Camper Trauma and Critical Care Manager Virginia Office of Emergency Medical Services

VERBIAGE UPDATES

- Hospitals are accredited, and stroke programs are certified via multiple bodies
 - Joint Commission (TJC), Det Norske Veritas (DNV), and Accreditation Commission for Health Care (ACHC).
- 24-hour window of witnessed onset or last known baseline
- Replacing "first" step with "critical steps"
- Recognition of BEFAST/FAST
- Use of "facility" instead of "hospital" to recognize those that can deliver stroke care.

CLARIFYING BETWEEN ASSESSMENT AND SEVERITY TOOLS

 There is a difference between Stroke Assessment Tools such as CPSS and BEFAST and stroke Severity Tools such as RACE and VAN. The Stroke Severity Tools are not designed to replace a basic Stroke Assessment tool but to guide destination decisions for potential LVOs.

ADDITIONS







PREHOSPITAL STROKE RECOGNITION SECTION PRE-HOSPITAL DESTINATION DECISION MAKING AND INTER-FACILITY TRANSPORT HAS UNDERGONE A TOTAL REWRITE

CONSIDERATION FOR PARALLEL ACTIVATIONS FOR STROKE AND TRAUMA ACCORDING TO INDEX OF SUSPICION

CONSIDERATIONS FOR PEDIATRIC STROKE

ALGORITHMS AND CHECKLISTS

- Currently the following have been assigned for complete rewrites:
 - Acute Field Stroke Triage Decision Scheme
 - EMS Thrombolytic Candidate Checklist
 - Post Thrombolytic EMS/inter-facility Transfer sheet

These documents were largely found to be out of date or difficult to navigate in a timely manner.

FINE TUNING







VETTING FOR EASE OF USE FROM INTENDED AUDIENCE

ONE SHEET ALGORITHMS FOR EMS PROVIDERS CLEANING UP LANGUAGE, INCONSISTENCIES AND ABSOLUTE STATEMENTS

SPECIAL THANK YOU!!!

Dr. George Lindbeck

Kathryn Funk

Mary Jobson-Oliver

Stacie Stevens

Work Group
 Reports
 April 2024

Current Workgroups

- 1. EMS Destination Protocols, Daniel Linkins, Central Shenandoah EMS
- 2. May Day for Stroke Awareness, Melanie Winningham, Sentara Healthcare
- 3. Messaging to Address Social Disparities, Kristie Burnette, Mary Brandenburg, VHHA
- 4. Post-Acute Discharge Disposition, Chad Aldridge, UVA
- 5. Teleneurology, Branden Robinson, Sevaro
- 6. Stroke Smart, Alan Stillman, Kwikpoint

EMS Destinations Workgroup

February Meeting:

Overview:

1. Need to gather data to identify where in Virginia patient are mistriaged and why.

2. Identify tools being used across the state (of 4 regions represented on the workgroup, 3 different scales being used).

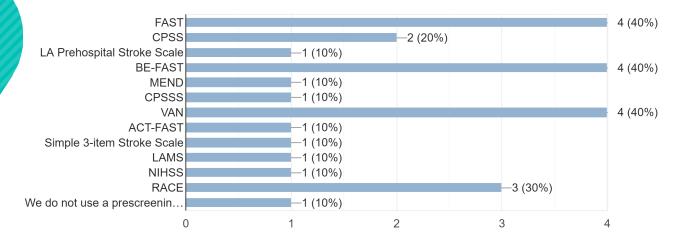
3. Gather hospital preferences and pros/cons of each

4. Address implementation barriers

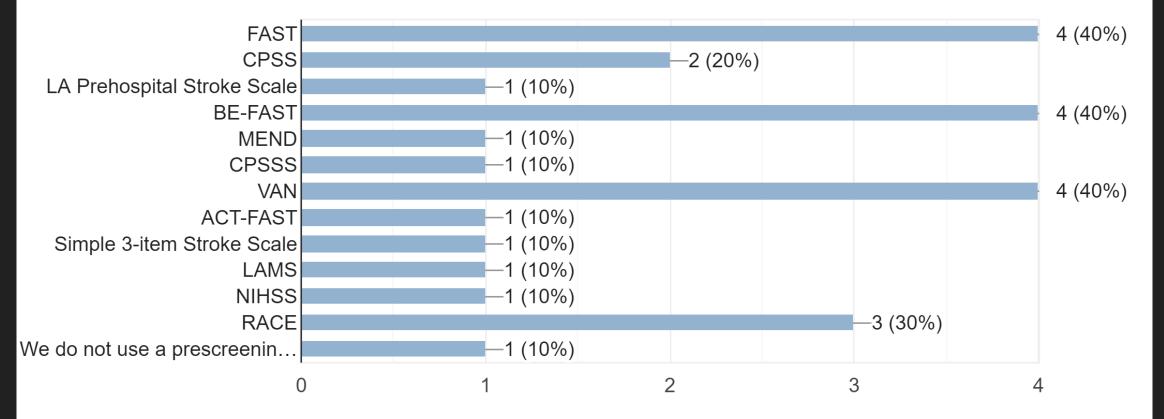


10 of the 11 Regional EMS Councils Responded

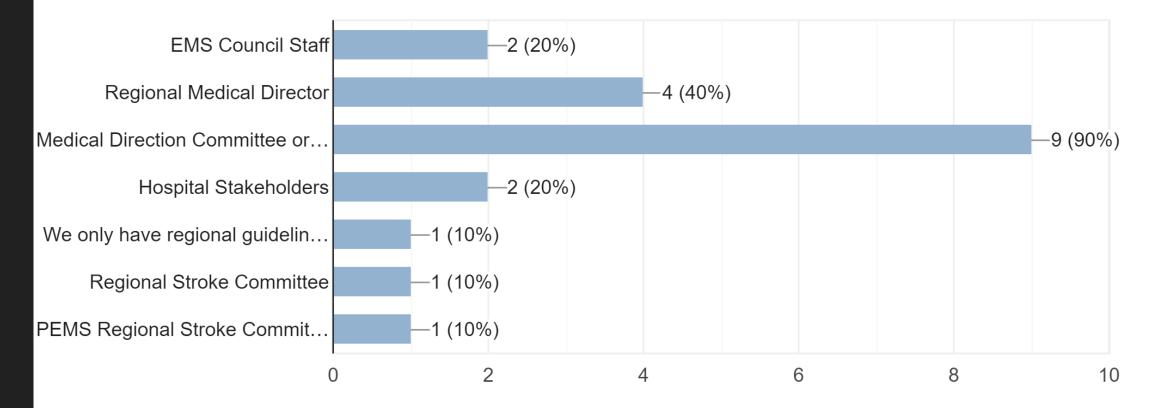
What initial stroke screening tools are used in your region to determine transport destination? Select all that apply, if you also perform a Large-Vessel-Occlusion Screening or others. ^{10 responses}



What initial stroke screening tools are used in your region to determine transport destination? Select all that apply, if you also perform a Large-Vessel-Occlusion Screening or others. 10 responses

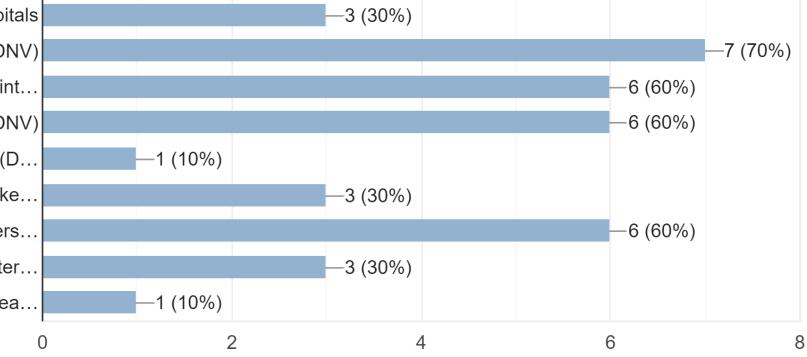


How are stroke screening tools determined/adopted by your region? 10 responses

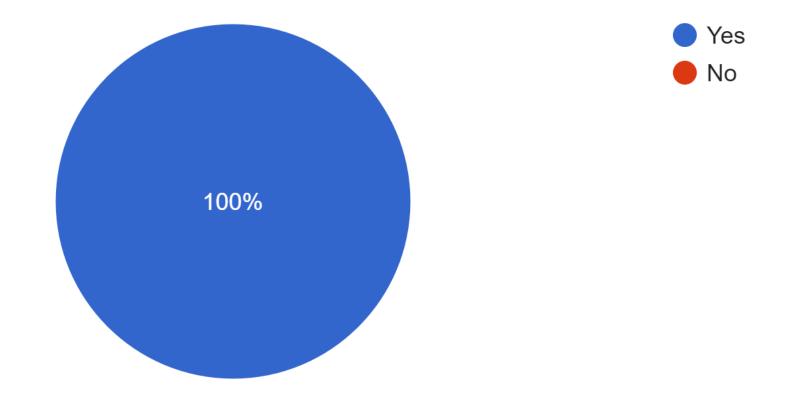


What destination facilities are available in your region (select all that apply)? 10 responses

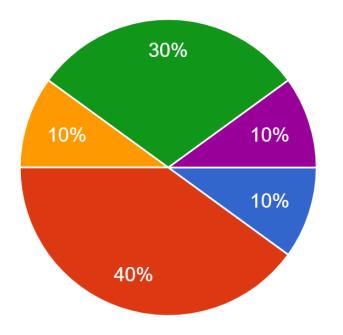
Non-certified hospitals Acute Stroke Ready (DNV) Primary Stroke Centers (Joint... Primary Stroke Center (DNV) Primary Plus Stroke Center (D... Thrombectomy-Capable Stroke... Comprehensive Stroke Centers... We have one Acute StrokeRea...



Are EMS providers permitted to call stroke alerts in the field? 10 responses



How do receiving facilities respond to field-called stroke alerts? 10 responses



- Hospitals do not normally change their actions
- Hospitals act with urgency and decisiveness
- Hospital response is inconsistent from day to day
- Some hospitals respond with urgency and others do not
- Most act with urgency and decisiveness, while some do not

Comment Summary:

The state should agree on a standard screening tool and severity tool for stroke alerts, and EMS should call stroke alerts in the field based on stroke screening. Geographically large regions benefit from transport to local facilities for scans, TELESTROKE consults, thrombolytics, and referral to stroke centers. Providers should be aware of stroke centers and their differences, and provide thorough stroke assessments. A meeting is planned to discuss consistency with stroke patients, protocols, assessment tools, best-practice, and continuity among EMS and hospitals. Patients with a RACE score of 5 or greater are presumed to have an LVO, bypassing primary stroke centers.

Next Steps:

- × Workgroup Follow-up to discuss survey findings
- × Request Data regarding stroke outcomes, correlated with tools used
- Request Data regarding stroke outcomes, correlated with destination type
- × Develop common nomenclature for EMS protocols in determining destinations
- Develop best practices recommendations in collaboration with Regional EMS Councils

What we need from others?

- × Stroke Coordinators Consortium:
 - Provide preferred scales and the benefits of each in prehospital environment.
 - If stroke alerts are called in the field, how does your hospital respond? Are they acknowledged/accepted resulting in immediate action?
 - By policy?
 - In practice?

Questions, Comments and Suggestions?

vsstf-destinations@g.vaems.org

Daniel W. Linkins, MPH, NRP, NCEE CSEMS Regional Director Office of Emergency Medical Services Virginia Department of Health Daniel.Linkins@vdh.virginia.gov



VSSTF: Messaging to Address Social Disparities Workgroup

April 19, 2024

<u>Members</u>

Mary Brandenburg, VHHA Foundation (Co-Sara Chair)

Kristie Burnette, VHHA (Co-Chair)

Karen Bonham, HQI / Twin County Regional Healthcare

Tanya Claiborne, Riverside Health System

Beth Cottone, Survivor

Sarah Fowler

Alecia Hamm, Thomas Jefferson EMS Council

Beth Hundt, Centra Health

Keri Johnson, UVA Health

Alan Stillman, Kwikpoint

Scope of Work & Goals

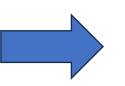
Scope of Work

The Messaging to Address Social Disparities workgroup will:

- Review available stroke data, stratified by race/ethnicity, payor, zip code, and other sociodemographic factors
- Provide education to partners along the continuum of care about the impact of SDoH on health outcomes, how to identify health-related social needs, and how best to connect patients and their families to resources that address social needs
- Identify practices and frameworks that promote community collaboration on initiatives to address SDoH

<u>Goals</u>

- Review available data and literature to identify disparities in Stroke treatment and outcomes; share findings with the VSSTF
- Create a multi-modal communication plan to educate partners about the impact of SDoH on health outcomes, the importance of standardized screening for health-related social needs, and how to connect patients and their families to social care resources in the community.
- Initiate innovative strategies to make available "bestpractice" education and resources to foster collaboration and support statewide, regional, and community-level efforts to address the social drivers of health impacting Stroke patients and their families.



Strategy Development

1/5/24 Meeting

- Approval of Charter & Goals
- Literature Review
- VHHA Analytics Data Overview

2/2/24 Meeting

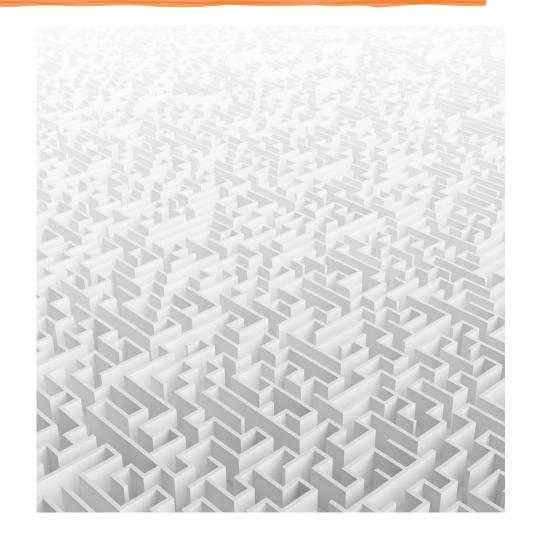
• VHHA & VDH Disparity Analysis

3/8/24 Meeting

 Communication / Education Strategy Discussion -> Provider Assessment & Pilot Test

4/12/24 Meeting

- VDH Stroke Burden by Locality
- Pilot Site Selection Criteria
- Two-Pronged Approach: Community & Provider Outreach



Next Steps



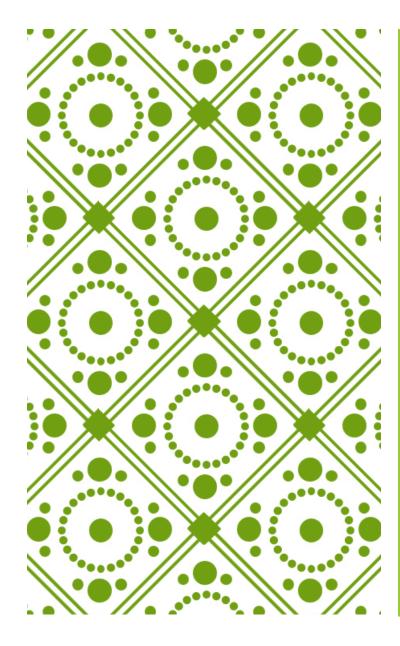
Provider Assessment Survey



Unite Us Resource Review



Pilot Site Selection



MAY DAY! A COMMUNITY FIELD DAY TO RAISE STROKE AWARENESS

Melanie Winningham, MD Vascular Neurologist Sevaro Health / Sentara

MAY DAY 5.2025

Now planning for 2025 event.

Time to gather team with experience in fundraising, corporate sponsorship, and event planning.

First work group meeting to come.

Location pending – likely in Charlottesville or Richmond region initially.

Planning for a reproducible annual event akin to Relay for Life or Heart Walk.

Need strong marketing approach for success – news outlets/ social media.



PROPOSED MAY DAY ACTIVITIES

Plan to include invited speakers (stroke survivors) and/or "ask the Neurologist" panel.

Live music?

Health screenings (blood pressure / risk factors for stroke).

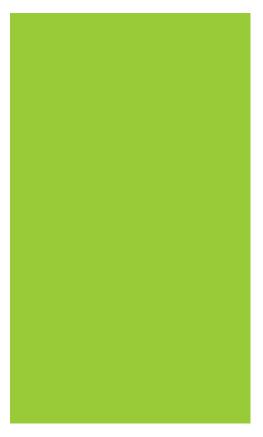
Stroke Smart presence? Selfie poster with QR code?

Classic field day activities – would like recommendations to make these events accessible for all participants (including our stroke survivors).

Activities for kids (face painting, focused education about stroke).

Food trucks.

Event t-shirts.





TELENEUROLOGY WORKGROUP

VSST 4/19/2024

WORKGROUP MEMBERS

- Carla Gunter, RN
 - Nursing Educator / Stroke Coordinator, Twin County Regional Hospital
- Kim Warren, DNP
 - CNO, Bon Secours Southampton Medical Center
- Laurie Mayer, MBA, BSN
 - Quality Program Specialist, Telespecialists
- Laith Altaweel, MD
 - System Stroke and Acute Care Neurology Medical Director, Inova Health System
- Branden Robinson
 - Chief Growth Officer, Sevaro Health

TELENEUROLOGY WORKGROUP GOALS



Establish accepted metrics and processes for telestroke and standardization of the process



Educate hospitals that use telestroke and educate nontelestroke programs on the benefits of setting up a telestroke program



Improve outcomes by using telestroke to increase the use of thrombolytics in appropriate patients and route patients quickly for endovascular thrombectomies.



METRICS

- Stroke alert to telestroke activation within 10 min.
- Telestroke activation to telestroke response within 10 min (total time 20 mins)
- Telestroke imaging interpretation(wet read) w/in 10min notification of imaging completion (total time 30 mins)
- Telestroke imaging interpretation to communicating treatment decision : (total time 40 mins)
 - EVT 10 minutes
 - Notify onsite staff
 - Calling IR
 - Calling transfer center
 - Intravenous thrombolytic-10 minutes
 - ICH/SAH 10 minutes
- % of stroke alerts presenting within 4.5 hrs LKW that receive thrombolytics 10%
- Reason thrombolytics was not given.
- Reason video not used
- Track proportion of stroke alerts that are assessed by video.
 - *all times are median
- Patient outcomes (Mortality Rates, Functional Outcomes, etc)
- Patient Satisfaction (NPS or other Scales)

BEST PRACTICES

- One-step notification from facility to teleneuro provider (CG)
- Teleneuro Provider Back-up Process (CG)
- Teleneuro Provider Etiquette (CG)
 - Introduction
 - Confirm Identification (Name and Date of Birth)
 - o Identify staff and family in room
 - Inclusion/Exclusion Criteria
 - Risks/benefits and alternative conversation with patient or surrogate, and if none available, emergency policy consent.
- ED Provider in room at end of consult to facilitate care (CG)
- Acute Stroke Ready through CSC should expect the same level of care and response from telestroke
- Quick Access to Imaging Studies- Ensure rapid access to imaging studies (CT scans, MRIs) for remote neurologists.
- Utilize advanced imaging interpretation tools(AI) (Brainomix, Rapid, Viz)
- Establish a direct to CT and tele-cart setup protocol.
- Establish a process for telestroke neurologist to contact receiving facility/NIR MD.

BEST PRACTICES CONT...

- Establish one process when on-site and teleneurology vendor cover different shifts.
- Televideo provider must document in the EHR
- Wifi Connectivity Mapping designate areas for video evaluation
- NIHSS Certified RNs
- Telepresenter training for bedside staff Imaging shared with receiving hospital within 10 min of transfer request
- DIDO for acute stroke requiring transfer within 120 min
- Multidisciplinary Collaboration- Establish collaboration between neurologists, emergency room staff, radiologists, and other relevant healthcare professionals to include process and metric data sharing.
- Standardized Protocols and Guidelines- Develop and implement standardized protocols and guidelines for telestroke assessments, diagnosis, and treatment. Consistency in procedures helps ensure quality care.

PHASE II

Education Q2 and Q3:

Current Telestroke Programs

Hospitals not using Telestroke



THANK YOU

BRANDEN@SEVARO.COM

Stroke Smart Workgroup

AMY SWIERCZEWSKI, ASSISTANT DIRECTOR OF PROGRAMS, MSVF KATHRYN FUNK, AGACNP-BC, MSN-RN, SCRN, CNRN, STROKE REGISTRY COORDINATOR, VDH









Stroke Smart Workgroup Members

Kwikpoint | Stroke Smart Virginia

Alan Stillman

Medical Society of Virginia Foundation

Jennifer Joss

Amy Swierczewski

Virginia Department of Health

Kathryn Funk

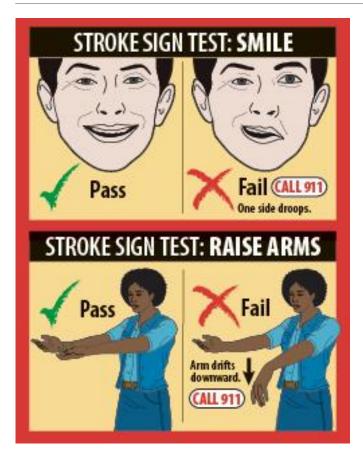
Bethany McCunn

Anne McMillan

Virginia Hospital and Healthcare Association

Kristie Burnette

Stroke Smart – Objective



Reduce pre-hospital delay and increase timely treatment of strokes

Stroke Smart Workgroup: Focus Areas

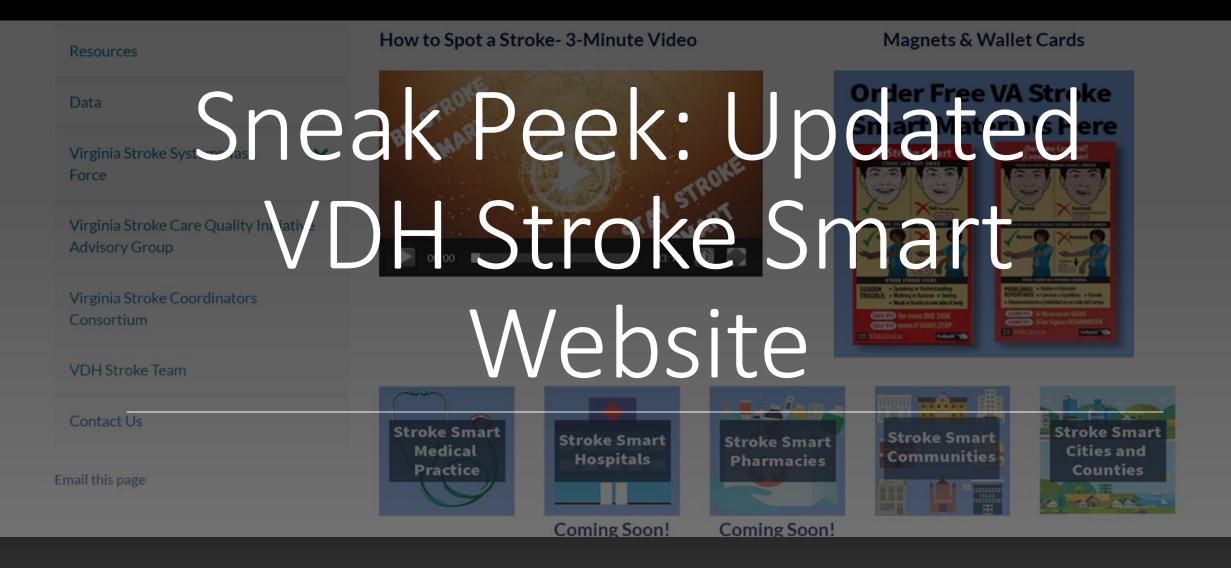


Facilitate implementation of Stroke Smart Medical Practice (SSMP) through collecting and sharing resources Update the VDH Stroke Smart website and use it as the central repository for materials that can be used in implementation

Q

Create a way to recognize practices who have implemented some or all of the (5) SSMP actions **Collect data** of <u>who</u> has implemented SSMP and <u>how</u>

(Publicly) Recognize practices who have implemented; motivate further action
Identify "best practices" – collect what "works"
Share and Inform to those who want to adopt



Stroke Smart Medical Practice Recognition

Purpose:

- 1)Collect data from medical practices who implemented SSMP (what and how)
- 2)(Publicly) Recognize practices who have implemented; motivate further action
- 3)Identify "best practices" collect information on what is working, and good practices/tools used
- 4)Share and Inform to assist interested practices in adopting initiative

Stroke Smart Medical Practice Actions*

Goals: Don't schedule appointments for people having a stroke and provide effective education on stroke signs and importance of calling 911

- 1. Train office staff to spot strokes and follow practice protocol if a stroke is suspected
- 2. Ensure Stroke Smart education and materials are accessible to all patients
- 3. Identify high risk patients and provide targeted Stroke Smart education
- 4. Incorporate Stroke Smart script in phone system recordings
- 5. Track metrics on Stroke Smart program activities

* Approved by VSSTF January, 2023

SSMP Recognition – Overall (Proposed) Process



- 1) (4) Levels of Recognition are available:
 - a. Champion (implemented 1 action)
 - b. Silver (implemented 2 actions)
 - c. Gold (implemented 3 actions)
 - d. Platinum (implemented 4 or more actions)



2) Online application for practice to select level, self-report which of (5) actions they have taken and provide information on "how"



- 3) Working team reviews submissions: 1x/month a. Determine if criteria was met
 - b. Provide any feedback

Recognition Proposed Process Cont'd :



4) Issue certificate (electronically)



5) Recognize practices on VDH Stroke Smart website



Provide debrief of activity to VSSTF (minimum 1x per year)

Online Application

	Stroke Smart Medical Practice Recognition Submission	
	Form	
	Thank you for your is	age 1
	Source your interest in receiving Stroke Smart Medical P	
	Thank you for your interest in receiving Stroke Smart Medical Practice Recognition.	
	are four (4) levels of Stroke sa	
	CriteriaSilver Level	
	Participant has implemented and consistently practices (1) element of the Stroke Smart Medical Practice Participant has implemented and consistently practices (2) element of the Stroke Smart Medical Practice	
	criteriaGold Level	Cc m
	Participant has implemented and consistently practices (1) element of the Stroke Smart Medical Practice criteriaGold Level Participant has Implemented and consistently practices (2) elements of the Stroke Smart Medical Practice criteriaPlatinum Level Participant has Implemented and consistently practices (3) elements of the Stroke Smart Medical Practice riteriaThe elements of the Stroke Smart Medical Practice	
P	Participant has a	
C	riteriaThe elements of the Stroke consistently practices (4)	
Tr	rain office staff to spot at a line Smart Medical Practice Criteria area	
Vic	an office staff to spot strokes and follow the practice Criteria are: roke Smart education and materials are accessible to all patients (i.e., wallet cards, magnets, posters, deos)Identify high risk patients and provide (intentional) education and materialsIncorporate Stroke Smart script in e for recognition.	
site	deos)Identify high risk patients and provide (intentional) education and materials are accessible to all patients (i.e., wallet cards, magnets, posters, one system recordingsTrack metrics on Stroke Smart program activitiesPlease complete the survey to submit your e for recognition.	
	Consideration and the second sec	
Dur eve	practice would like to apply for the following	
	Stroke Smart Medical Practice Recognition:	
	Stroke Smart Silver Level (the element)	
heck	k the element(s) of the Stroke Smart Medical	
	□ 1. Train office staff to spot strokes and follow	

Recognition Application Process:



1. Radio Button link to be on VDH Stroke Smart Medical Practice Page

Recognize Your Stroke Smart Medical Practice



 Practice would select level they are applying for (Champion, Silver, Gold, Platinum) based on # of criteria implemented



3. Basic information on implementation asked (i.e. type of staff trained, total #, what materials did you distribute, how did you distribute materials, etc.)



4. Practice can upload photos or samples of materials



5. Feedback requested on what worked well, needs improvement, general comments



6. Practice invited to share a "success story"

Team Review:



Workgroup would assess application and make determination if practice met criteria (subjective) and award a level



Feedback given on application and certificate sent via email



Updates to website (listing practice and level) would be requested



Future: share "success stories"

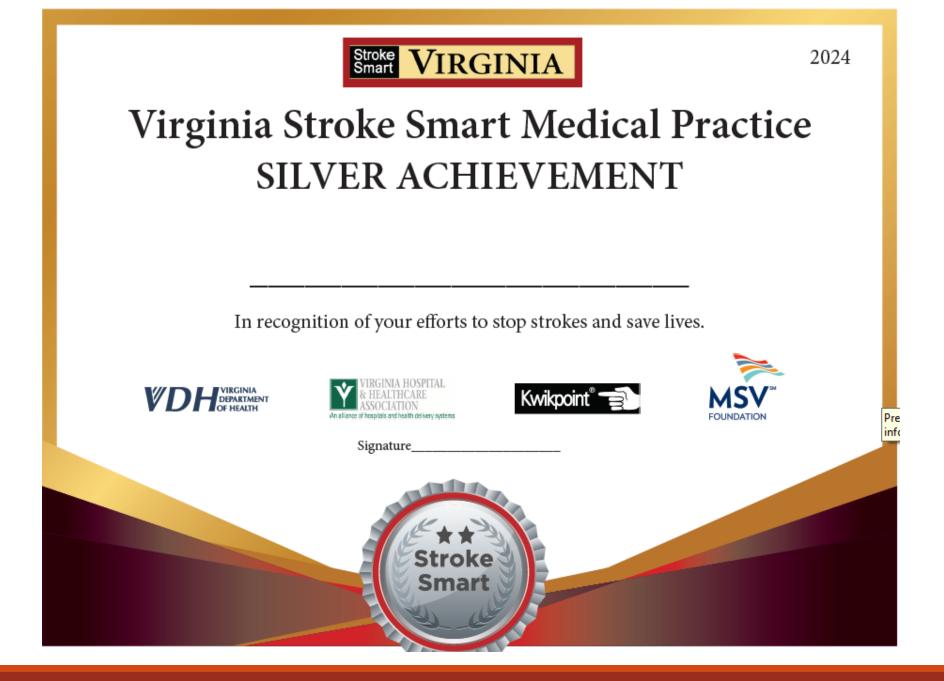


Virginia Stroke Smart Medical Practice CHAMPION ACHIEVEMENT

In recognition of your efforts to stop strokes and save lives.



2024







Virginia Stroke Smart Medical Practice PLATINUM ACHIEVEMENT

In recognition of your efforts to stop strokes and save lives.



2024

Discussion/Questions Recognition?



- Award Levels and Basic Criteria
- Application Form
- Certificates
- Overall Process

Vote for Approval:



- Award Levels and Basic Criteria
- Application Form
- Certificates
- Overall Process



Spot a Stroke-Stop a Stroke-Save a Life



Stroke Smart Medical Practice – Elements*

- 1. Train all office staff to spot strokes <u>and</u> follow the practice protocol if a stroke is suspected (suggested: annually)
- 2. Ensure *Stroke Smart* education and materials are accessible to all patients (i.e., wallet cards, magnets, posters, videos)
- 3. Identify high risk patients and provide (intentional) education and materials
- 4. Incorporate *Stroke Smart* script in phone system recordings (Suggested Element)
- 5. Track metrics on *Stroke Smart* program activities



*Approved by Virginia Stroke System Task Force: Jan 2023

Suggested Levels for Recognition:

Stroke Smart Champion

 Participant has implemented and consistently practices (1) element of the Stroke Smart Medical Practice criteria

Silver Level:

• Participant has implemented and consistently practices (2) elements of the Stroke Smart Medical Practice criteria

Gold Level:

 Participant has implemented and consistently practices (3) elements of the Stroke Smart Medical Practice criteria

Platinum:

• Participant has implemented and consistently practices (4) or more elements of the Stroke Smart Medical Practice criteria

ZODIAC TRIAL

66

Stacie Stevens, VCU

Lunch and Simulation Tours

 Rethinking Rehabilitation: Intensive
 Telerehabilitation to Maximize Recovery from Stroke

Kristin Nuckols, Imago Rehab

EMS Blood Draw for Stroke Patients-Pros and Cons, Panel Discussion

69

Elizabeth Hart, Moderator

Sophea Booker, Pat Edwards, David Long, Melanie Winningham, Speakers

EMS Blood Draw for Stroke Patients

Performance Improvement Background

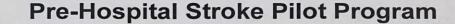
- Bon Secours Maryview Medical Center (MMC) is a 346-bed Primary Stroke Center located in Portsmouth, VA.
- MMC serves a community of 280,000 and has approximately 400 stroke patients each year.
- 70% of the acute stroke patients seen in the ED arrive via Portsmouth Fire, Rescue, and Emergency Services (PFRES).
- Maryview had an average DTN time of 70 minutes in 2014.
- Process gaps found in the ED included delays in care when transferring patients to ED beds and drawing blood in a timely manner.



- 1. Improve overall care of Code S/stroke patients through a streamlined process change
- 2. Decrease the time Door to Lab to reduce Door to tPA/intervention times
- 3. Improve treatment times and overall experience/outcome for the acute stroke patient

2015 Pilot Program Process

- Planning meeting in February 2015
- Worked with Lab/POC to have MEDIC ID# assigned
- Process Algorithm developed for EMS pre-hospital screen and lab draws
 - Placed in all PFRES ambulances
- Training will be provided to Super-Users who will train others
- Lab draw packets will be provided to PFRES EMS and restocked as needed
- Feedback will be provided to PFRES by MMC Stroke Coordinator
- Feedback will be provided by Lab for any problems with blood draw
- Go Live Blood Draws set for April 1, 2015



EMS on scene with possible CVA with last seen normal \leq 8 hours

EMS protocol based CVA evaluation and stabilization with IV access Prior to starting IV fluids draw 5 tubes of blood in this order

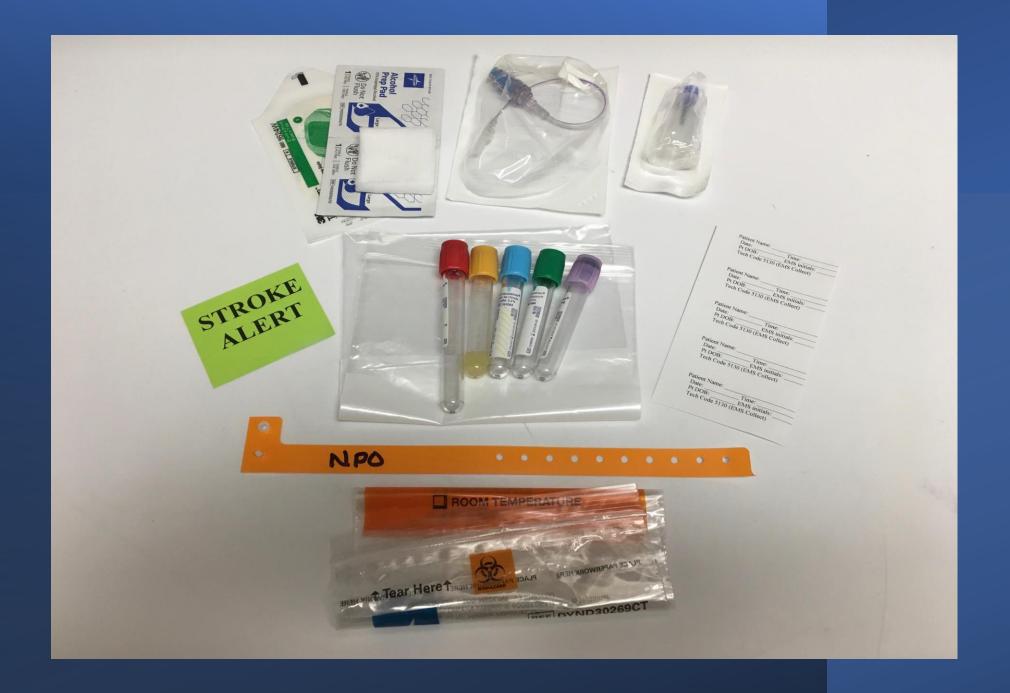
- Red, orange, blue, green, then purple
- Each tube needs to be filled at least ³/₄ full
- Place a pre printed label with tech code 5130 on each tube
- Write the patient's name, drawer's initials, date, and time of the draw then place the blood back in the biohazard bag with the green label
- ED Notification of Code "S" with rapid transport. STAT assessment by ED EMS Provider 2 arrives the EMS Provider 2 validates the Physician, RN, Tech upon arrival to the patient with the unit secretary door blood with the ED Tech/RN Unit Secretary activates tele ED Tech hand delivers the neurology consultation blood to the lab ED RN and Physician place CT and lab orders EMS Provider 1 transports the patient to . CT with RN on the EMS monitor Transport to ED room and 2nd ED RN follows with ED stretcher proceed with standard Code "S" care and weighs the patient after CT

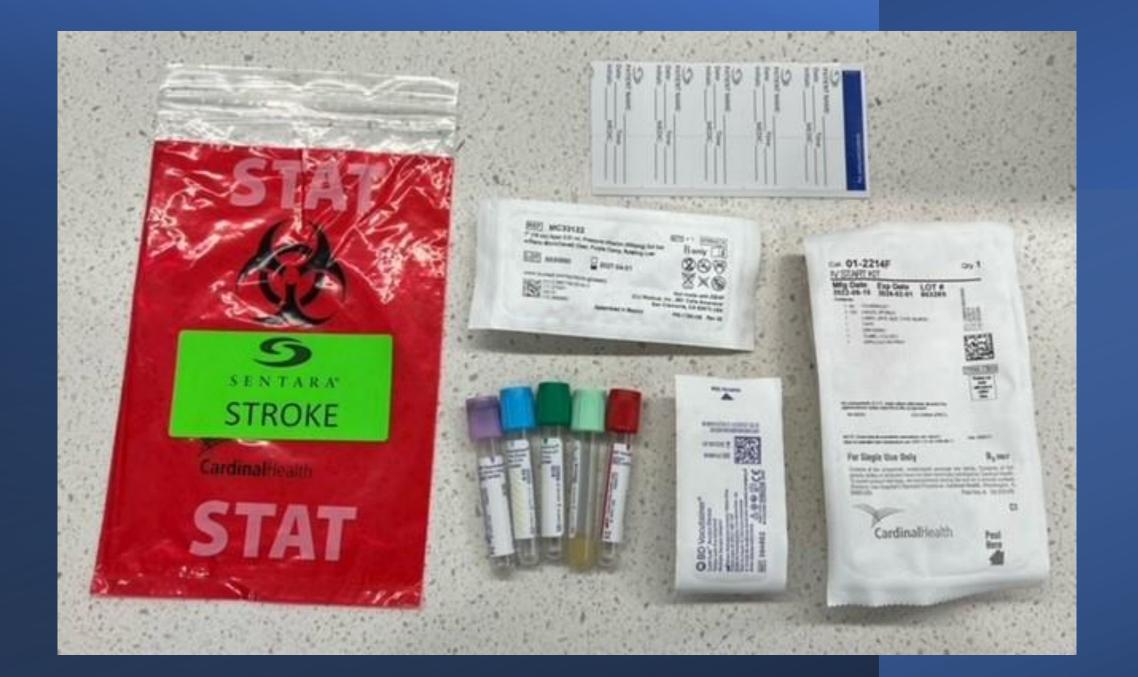
3/12/15

Training & Support

- PFRES asked for Volunteers for Super Users
 - Hoped for 5 but 15 EMS Super-users volunteered
 - Had 3 training sessions in March 2015
- EMS Super-users trained additional 200 PFRES personnel







2015 Results for Lab Times

Average blood arrival in Lab times									
	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
Avg Lab Received	0:19	0:23	:20						
With EMS	n/a	n/a	n/a	0:10	0:10	0:07	0:07	0:11	0:12
Without EMS				0:19	0:14	0:19	0:20	0:21	0:23
Difference				0:09	0:04	0:12	0:13	0:10	0:11
% of difference				47 %	29%	63%	65%	48%	48 %

<u>6 Month Average:</u> With EMS: 9 min Without EMS: 19 min



Bon Secours Maryview Medical Center 2022-2023 EMS Blood Draw and CT Data

With EMS Blood Draw

- Door to CT
- Door to Decision
- Arrival to Result

- Average 14.63 minutes Average – 24.27 minutes Average – **26.24 minutes**
- Without EMS Blood Draw
- Door to CT
- Door to Decision

- Average 31.72 minutes
- Average 33.39 minutes
- Arrival to Result
- Average 58.96 minutes

Questions?



Coverdell Re-Abstraction Process & Results

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Purpose

Re-abstraction of patient medical records or charts assists in the assessment of data coding quality and completeness.

This project included hospitals who have submitted data through Virginia's current Coverdell Stroke project.

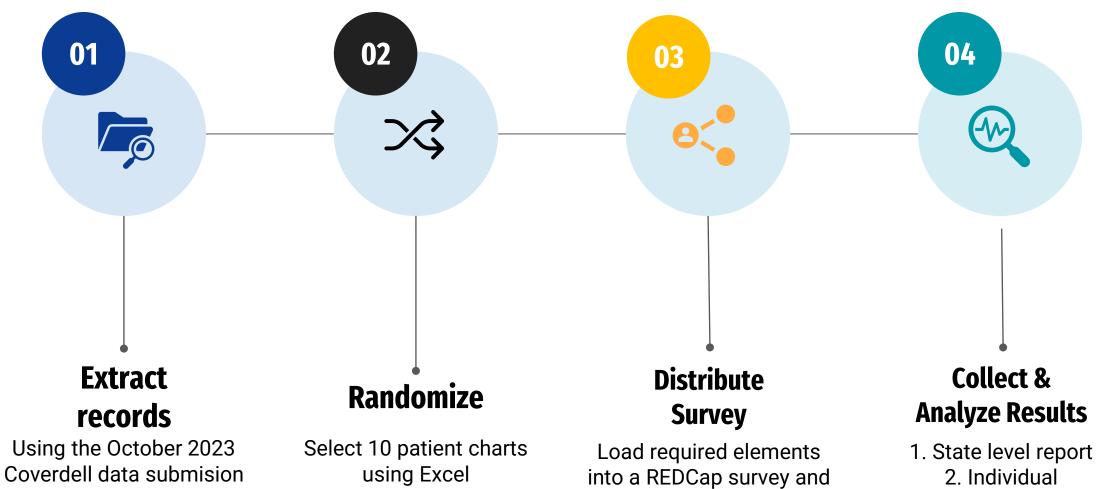


Why is re-abstraction important?

- 1. Ensure patient data is accurate and reliable
 - Reduce errors and adverse events affecting patient safety
 - Inaccurate data could restrict health data sharing
 - Inaccurate data could complicate clinical research
- 2. Stay compliant
 - Needed for certification, accreditation, etc.
- 3. Initiate quality improvement
 - Create improvement projects to monitor and improve performance metrics



Process



distribute to participants

hospital reports

Data Elements Collected

1. Age

- 2. Gender
- 3. Race and Ethnicity
- 4. Date of Arrival at Hospital
- 5. Time of Arrival at Hospital
- 6. Date of Hospital Admission
- 7. Telestroke consultation performance
- 8. Brain imaging performance
- 9. Date and Time brain imaging first initiated at your hospital
- 10. Last known well date and time
- 11. NIH Stroke Scale performance
- 12. If performed, first NIH Stroke Scale total score
- 13. Was IV thrombolytic initiation

17. Was a dysphagia screen performed before administration of any PO medication?

- 18. Patient discharge date
- 19. Principal discharge ICD-10-CM code
- 20. Clinical diagnosis related to stroke that was ultimately responsible for this admission
- 21. Discharge disposition

Re-Abstraction Survey

Distributed online survey on December 1, 2023 with a targeted completion date of January 31, 2024.

Requested: 44 hospitals

Received: 35 hospitals // 339 total records



Coverdell Year 1 Re-abstraction

The Virginia Department of Health (VDH) is requesting your assistance with performing a re-abstraction of your facility's stroke records as a requirement for VDH's awarded CDC Paul Coverdell Acute Stroke Grant and will assist in meeting your certification requirements of inter-rater reliability.

Please use the provided patient ID's (found in a separate email) and re-abstract the following data fields into this survey. Please complete each survey field with the information found in the patient's medical record, not in your stroke logs or *Get With The Guidelines*. All de-identified data entered in this survey will be submitted securely to VDH and will follow all applicable confidentiality policies required by Virginia state agencies.

Please submit your re-abstraction results into this survey by January 31, 2023. We will be providing a report by the end of February comparing your submitted data to the information obtained from this abstraction.

Thank you for your commitment to improving stroke care. If you have any questions, please contact the VDH Stroke Team at: stroke@vdh.virginia.gov.

Hospital Name * must provide value	~
Abstractor Name * must provide value	First and Last Name

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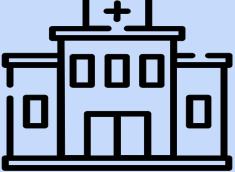
Participants

Augusta Health **Bon Secours Mary Immaculate Bon Secours Maryview Bon Secours Memorial Regional Bon Secours Rappahannock Bon Secours Richmond** Bon Secours St. Francis Bon Secours St. Mary's **Bon Secours Southside Carillion Roanoke Memorial** Centra Lynchburg **Chesapeake Regional Fauquier Hospital HCA Chippenham Johnston Willis** Inova Alexandria Inova Fair Oaks Inova Fairfax Inova Loudoun In ave Marint Varea

(new participants are in **bold**)

Riverside Shore

Riverside Walter Reed Sentara Care Plex Sentara Halifax Sentara Leigh Sentara Martha Jefferson Sentara Norfolk Sentara Virginia Beach UVA Hospital VCU Community Memorial VCU Health VCU Health





Comparison from 2023 Re-Abstraction Project

- Number of participating hospitals:
 27 -> 35
- Number of records re-abstracted: 240 -> 339
- Number of discrepancies: 1094 (14.7%) -> 559 (7.5%)



Summary Results Demographics

Total number of records = 339



Age Number matched: 332 Percent matched: 97.9%



Gender Number matched: 331 Percent matched: 97.6%



Race and Ethnicity Number matched: 2,355 Percent matched: 99.2% (+1.1%)



Summary Results Hospital Arrival & Admission

Total number of records = 339

Date of Arrival at Hospital

Number matched: 339 Percent matched: 100% (+2.9%)

Time of Arrival at Hospital

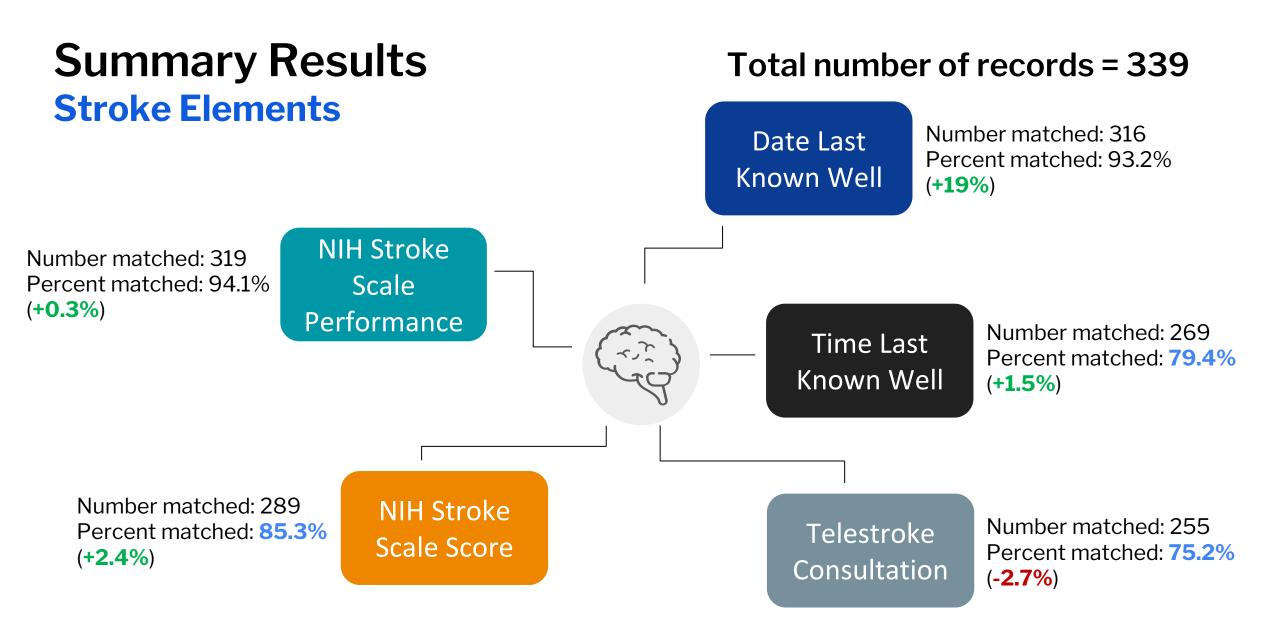
Number matched: 284 Percent matched: 83.8% (-5.4%)

Date of Hospital Admission

Number matched: 309 Percent matched: 91.2% (+21.3%)









Summary Results Brain Imaging

Was brain imaging done? Number matched: 304

Percent matched: 89.7% (-5.3%)

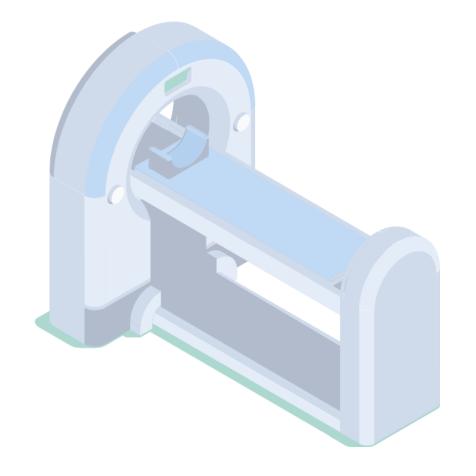
Date of Brain Imaging at Hospital

Number matched: 331 Percent matched: 97.6% (+5.5%)

Time of Brain Imaging at Hospital

Number matched: 233 Percent matched: 68.7% (-16.3%)

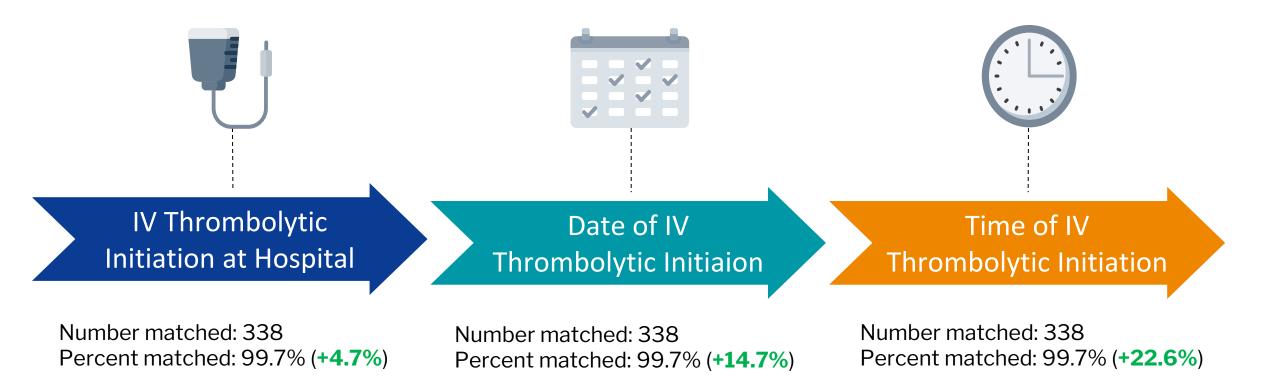
Total number of records = 339





Summary Results IV Thrombolytic Initiation

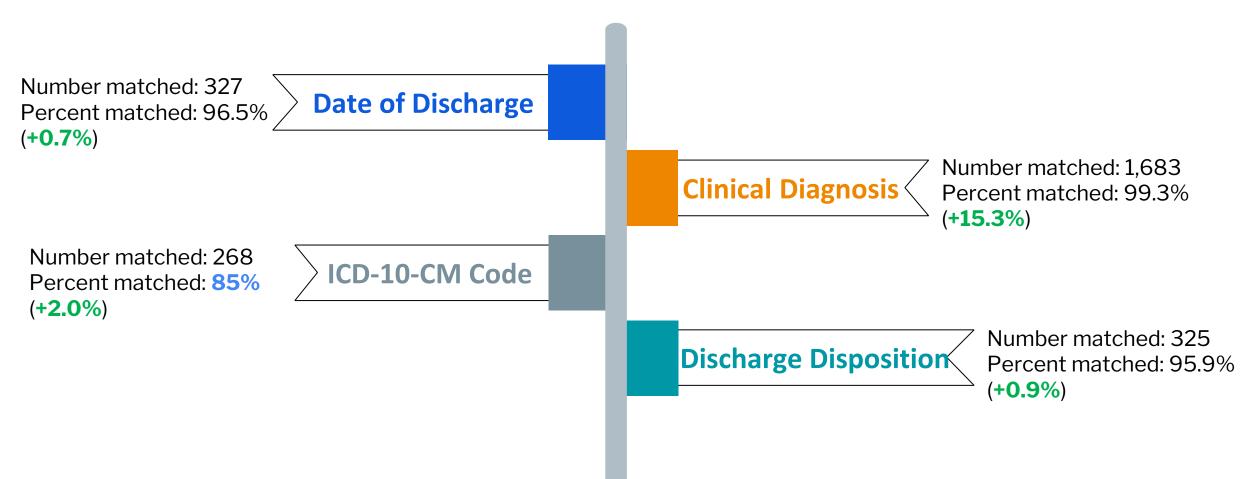
Total number of records = 339





Summary Results Discharge

Total number of records = 339





2024 Hospital Stroke Inventory Survey

- Survey is open and has been sent via email to stroke coordinators 4/16.
- Survey is due and will close May 10th (11:59pm).
- Please submit one survey for each facility and/or free-standing emergency department you oversee. Please allocate 15-20 minutes for completing the survey per site.



Virginia Stroke Registry Update

- Stroke Registry continues to be built and tested through vendor.
- VDH will not have open calls for beta testers. If beta testers are needed, VDH will reach out to select hospitals directly.
- VDH Stroke Team is obtaining GWTG SuperUser access (TBD) please be on the lookout for data sharing contracts.



Questions?

For further questions, please contact: Stroke@vdh.virginia.gov VSSTF Final Remarks and Wrap Up VSSTF Co-Chairs: Melanie Winningham, MD, and David Long, MA, NRP,

Next Meeting Dates Schedule:

- July 19, 2024, Maryview Medical Center, Portsmouth, VA
- October 18, 2024, in Richmond, Site TBD



Virginia Stroke Coordinators Consortium

April19, 2024

Mandi Zemaiduk, Centra Health, Lynchburg Elizabeth Hart LewisGale Hospital, Salem