CHASE
Colorado Healthcare Affordability and Sustainability Enterprise

1570 Grant Street
Denver, CO 80203

Hospital Transformation Program

Intervention Proposal

I. Background Information

This Intervention Proposal is designed to clearly articulate the scope and goals of proposed transformation interventions aimed at impacting the hospital's selected local quality measures under the HTP. The following questions are meant to assist the state in identifying: the evidence base for each intervention; the need within targeted communities for the implementation of the interventions; and how the interventions will advance the goals of the HTP.

Hospitals will not be required to implement a specified number of interventions. Instead, participation requirements are based on the selection of local quality measures to impact within the five HTP Focus Areas:

- Reducing Avoidable Hospital Utilization
- Core Populations
- Behavioral Health and Substance Use Disorders
- Clinical and Operational Efficiencies
- Community Development Efforts to Address Population Health and Total Cost of Care

Hospitals will be required to address statewide measures for each Focus Area. Hospitals will also be required to select from the HTP list of local measures across the five Focus Areas based on community needs and the goals of the HTP. Each hospital will be required to work on a set of measures equal to 100 points. The number, mix and points per measure will vary according to hospital size, defined by bed count or specialty type:

- Large hospitals (91+ beds) will be accountable for six statewide measures, totaling 60 points and a minimum of four local measures, which will account for 40 points. Points per local measure will equal 40 divided by the number of local measures selected.
- Medium hospitals (26-90 beds) will be accountable for six statewide measures and a minimum of two local measures. If two local measures are selected, statewide measures will total 75 points, and local measures will account for 25 points. Points per local measure will equal 25 divided by the number of local measures selected. If three local measures are selected, then statewide measures will total 67 points and local measures will account for 33 points. Points per local measure will equal 33 divided by the number of local measures selected. If four or more local measures are selected, then statewide measures will then total 60 points and local measures will account for 40 points. Points per local measure will equal 40 divided by the number of local measures selected for four or more local measures.
- Small hospitals (<26 beds) excluding critical access hospitals will be accountable for six measures (statewide or local) to account for 100 points. Points per each measure will equal 100 divided by the number of measures selected.
- Critical access hospitals will be accountable for six measures (statewide or local) and will have their risk for measures reduced by 40%.
- Pediatric hospitals will be accountable for five statewide measures, totaling 50 points and a minimum of five local measures, which will account for 50 points. Points per local measure will equal 50 divided by the number of local measures selected.

- Respiratory specialty hospital(s) will be accountable for four statewide measures and a minimum of four local measures. If four measures are selected then statewide measures will total 56 points and local measures will account for 44 points. Points per local measure will equal 44 divided by the number of local measures selected. If five or more measures are selected, then statewide measures will total 50 points and local measures will total 50 points. Points per local measure will equal 50 divided by the number of local measures selected.

Hospitals have the option to work on local measures beyond the required minimum. This would spread the local measure risk by reducing the points per local measure.

In addition, hospitals have the option to replace a local measure with a statewide priority. Each statewide priority will be worth 20 points and if selected the points for each remaining local measure will be equal to the remaining total required local measure points divided by the number of local measures, greatly reducing the risk associated with those measures.

Hospitals should consult the Measure Scoring Summary, which can be found on the HTP webpage, for more information about measure selection, requirements and scoring.

Hospitals must then design five-year interventions that will impact their selected quality measures.

Hospitals must demonstrate that their proposed interventions will fulfill the goals of the HTP and are evidence-based. They must also justify the selection of each intervention based on the findings of the Community and Health Neighborhood Engagement process, including the environmental scan and feedback.

Each hospital will need to report its own data and submit its own application, but partnerships between hospitals may occur in some instances.

Hospitals may leverage existing resources for interventions, and existing interventions may be considered insofar as they expand or enhance the Department's noted goals and meet the following criteria:

- The hospital must demonstrate that the existing intervention is being selected because it is the best approach for meeting the needs of the community identified during the Community and Health Neighborhood Engagement process.
- The hospital must demonstrate that the intervention can and will be enhanced to meet HTP goals.

In addition to meeting the above criteria, any hospital proposing existing interventions for participation in the HTP will be expected to propose and implement accelerated milestones in the Implementation Plan for such interventions.

This Intervention Proposal must be completed separately for each of the interventions being proposed for inclusion in the HTP. Hospitals must submit interventions that, together, address all of the statewide quality measures and the local quality measures listed in the hospital's response to Question 6 in the Hospital Application.

II. Overview of Intervention

1. Name of Intervention: Evidence-based Treatment of Ischemic Stroke

2. Please use the table below to identify which statewide and selected local quality measures (from the hospital's response to Question 6 in the Hospital Application) the hospital will address through this intervention. As a reminder, each of the statewide and selected local quality measures must be identified for at least one intervention. As such, if this is the only intervention addressing a given Focus Area, all statewide quality measures and all selected local quality measures for that Focus Area must be included in this response. This response should align with the intervention-specific list included in the response to Question 7 in the Hospital Application.

Please note, hospitals are also required to complete the Intervention Proposal below for statewide priorities identified in Question 6 of the HTP Hospital Application.

Please use the unique identification code from the Performance Measures List (which is available on the HTP website) to identify your selected measures. For example, the measure "30 Day All Cause Risk Adjusted Hospital Readmission" should be listed as SW-RAH1.

Response (Please format the response as a numbered list)

1. RAH4

3. Please use the space below to describe the intervention and the rationale for its selection. Responses should include:

- A description of the intervention;
- Who will be the target population for the intervention; and
- How the intervention advances the goals of the HTP:
  - ✓ Improve patient outcomes through care redesign and integration of care across settings;
  - ✓ Improve the patient experience in the delivery system by ensuring appropriate care in appropriate settings;
  - ✓ Lower Health First Colorado (Colorado's Medicaid Program) costs through reductions in avoidable hospital utilization and increased effectiveness and efficiency in care delivery;
  - ✓ Accelerate hospitals' organizational, operational, and systems readiness for value-based payment; and
  - ✓ Increase collaboration between hospitals and other providers, particularly Accountable Care Collaborative (ACC) participants, in data sharing and analytics, evidence-based care coordination and care transitions, integrated physical and behavioral care delivery, chronic care management, and community-based population health and disparities reduction efforts.

Response (Please seek to limit the response to 1,000 words or less)
With a comprehensive cardiovascular prevention and treatment center, Valley View consistently promotes integration across care settings and the community neighborhood to improve both longevity and quality of life for patients of all demographics and payer sources. Outreach is ongoing to offer culturally-sensitive care, ranging from our risk factor modification program to

management of stroke and heart attack emergencies. Even since submission of the CHNE final report, Valley View obtained Acute Stroke Ready certification through the partnership recognition by The American Heart Association and The Joint Commission.

Hospital discharges following ischemic stroke should follow evidenced-based recommendations and one of those recommendations is use of high-intensity statin therapy to slow or reverse progression of cardiovascular disease and prevent secondary events.1 Through care redesign and longitudinal observation of intervention adherence we can improve patient outcomes while also lowering cost associated with avoidable hospital utilization.

4. Please use the space below to describe how the intervention and any selected local quality measures to be addressed by the intervention align with community needs identified throughout the Community and Health Neighborhood Engagement process (including data identified in the hospital's CHNE midpoint and final reports), including but not limited to:

   - How the intervention and any selected local quality measures to be addressed by the intervention were selected based on identified community needs, including how they align with identified significant behavioral and physical health needs and / or service capacity resources and gaps, including related to care transitions and social determinants of health;
   - How the population of focus aligns with identified community needs; and
   - How the proposed intervention will leverage available medical and / or social resources and partners.

Response (Please seek to limit the response to 1,500 words or less)
Unfortunately, Colorado's health statistics region 12, where Valley View Hospital is located, saw a rate of stroke above the state average in the most recently published 2-year timeframe of 2016-2018: 2.5% of adults vs. 2.2% of adults according to CDPHE's Visual Information System for Identifying Opportunities and Needs tool. Furthermore, the same tool demonstrated economic inequality for those in Colorado who experience stroke: a 6-year average rate of 2.55% of adults who were below 250% of the federal poverty level vs. 1.4% of adults who were above 250% of the federal poverty level. It's clear we have our work cut out for us in closing care gaps around cardiovascular prevention for Health First Colorado patients in our geographic region.2

Valley View's mission of "caring for you and your family, one patient at a time" promotes optimizing long term health in a sustainable, cost-effective manner and our CHNE Planned Future Engagement Activities demonstrated just that. Diabetes prevention and intervention was highlighted, yet key stakeholders continue to emphasize addressing the continuum of metabolic and cardiovascular health beyond diabetes. To that end, this intervention of optimizing treatment of ischemic stroke, a subset of cardiovascular disease, helps fulfill expectations of the community.

It will require care redesign to consistently ensure statin medication prescribing following hospitalization for ischemic stroke. That may be the easy part. Sustaining high level performance of any evidence based practice for years to come presents a greater challenge but we feel confident our intervention includes assurances of sustainability through data transparency at every level: leadership, physicians and staff, and patients themselves. Venues like our Board Quality subcommittee, Quality & Patient Safety committee, and Patient and Family Advisory Council will facilitate accountability

5. Please identify the evidence base (academic, professional or otherwise) related to this intervention's use among the target population by selecting one of the following options:

   (1) Randomized Control Trial (RCT) level evidence
   (2) Best practice supported by less than RCT evidence
   (3) Emerging practice
   (4) No evidence

If you selected option 1, 2 or 3 above, please use the space below to summarize the evidence base (academic, professional or otherwise) related to this intervention's use among the target population. The response should address the intervention's ability to impact the selected local and statewide quality measures identified in Question 6 in the Hospital Application. Please submit the response in narrative form and provide links to any reference documentation (data, citations, etc.).

If you selected option 4 indicating that there is no known evidence base, please explain why this intervention is being proposed regardless.

Response (Please seek to limit the response to 1,500 words or less)
Well powered, RCT-level evidence has existed for years to support prescribing statin medication following ischemic stroke for patients without a clear contraindication. One of the most robust publications to support such practice was a meta-analysis of the literature through 2011 published in QJM.3 Although there is no conclusion around a specific, recommended medication choice within the class4, statin use significantly reduced the risk of major cerebrovascular events in both primary and secondary prevention.3 Therefore, a clear correlation exists that improving consistency of statin use upon hospital discharge for ischemic stroke as outlined by the RAH4 local measure, assures a beneficial impact for the our local Health First Colorado population.

References:

1. Kernan WN, Ovbiagele B, Black HR, Bravata DM, Chimowitz MI, Ezekowitz MD, Fang MC, Fisher M, Furie KL, Heck DV, Johnston SC, Kasner SE, Kittner SJ, Mitchell PH, Rich MW, Richardson D, Schwamm LH, Wilson JA; American Heart Association Stroke Council, Council on Cardiovascular and Stroke Nursing, Council on Clinical Cardiology, and Council on Peripheral Vascular Disease. Guidelines for the prevention of stroke in patients with stroke and transient ischemic attack: a guideline for healthcare professionals from the American Heart Association/American Stroke Association. Stroke. 2014 Jul;45(7):2160-236. doi: 10.1161/STR.0000000000000024. Epub 2014 May 1. Erratum in: Stroke. 2015 Feb;46(2):e54. PMID: 24788967.

2. VISION: Visual information system for identifying opportunities and needs. (2021). Retrieved March 27, 2021, from https://cdphe.colorado.gov/vision-visual-information-system-for-identifying-opportunities-and-needs

3. Naci H, Brugts JJ, Fleurence R, Ades AE. Comparative effects of statins on major cerebrovascular events: a multiple-treatments meta-analysis of placebo-controlled and active-comparator trials. QJM. 2013 Apr;106(4):299-306. doi: 10.1093/qjmed/hct041. Epub 2013 Feb 21. PMID: 23431221.

4. Tramacere I, Boncoraglio GB, Banzi R, Del Giovane C, Kwag KH, Squizzato A, Moja L. Comparison of statins for secondary prevention in patients with ischemic stroke or transient

ischemic attack: a systematic review and network meta-analysis. BMC Med. 2019 Mar 26;17(1):67. doi: 10.1186/s12916-019-1298-5. PMID: 30914063; PMCID: PMC6436237.

6. a. Does the focus of the proposed intervention intersect with ongoing initiatives statewide (including, but not limited to those included in the ACC, State Innovation Model and Comprehensive Primary Care Plus)?

   ☐ Yes

   ☒ No

   b. If yes, please identity the applicable statewide initiative(s): (you may select more than one response from the list below)

   ☐ Behavioral Health Task Force

   ☐ Affordability Road Map

   ☐ IT Road Map

   ☐ HQIP

   ☐ ACC

   ☐ SIM Continuation

   ☐ Rx Tool

   ☐ Rural Support Fund

   ☐ SUD Waiver

   ☐ Health Care Workforce

   ☐ Jail Diversion

   ☐ Crisis Intervention

   ☐ Primary Care Payment Reform

   ☐ Other: ____ (please identify)

Please also use the space below to briefly explain how the hospital will ensure the intervention aligns with the applicable ongoing initiative(s).

Response (Please seek to limit the response to 750 words or less)

7. Please use the space below to explain any experience the hospital or any affiliated community partners have had with this type of intervention or target population and how that experience will support the success of the intervention.

Response (Please seek to limit the response to 500 words or less)
With numerous ongoing quality initiatives that require clinical quality measure tracking and performance promotion, a focused yet meaningful intervention around the RAH4 measure is within reach. The target population, although disproportionately representing at risk patients by

age, race, and socioeconomic status, does cross all adult demographic categories. Therein, existing infrastructure such as through hospital quality assurance venues in collaboration with applicable clinical departments and prescribers, will be utilized to ensure successful measure performance through time. This is not dissimilar from other stroke-related metrics tracked for our Acute Stroke Ready Hospital designation or clinical registry performance indicators for other service lines. Clinical and/or claim-based reports will be leveraged

8. a. Is this an existing intervention in use within the hospital ("existing interventions" are those interventions the hospital has implemented or is implementing on the day it submits the Hospital Application)?

☐ Yes

☒ No

b. If yes, please use the space below to explain how the following criteria for leveraging existing interventions is satisfied (the response may reference answers above):

- The hospital must demonstrate that the use of the existing intervention is the best approach for meeting the needs of the community identified during the Community and Health Neighborhood Engagement process.
- The hospital must demonstrate that the project will be enhanced to meet HTP goals.

Response (Please respond as applicable; Please seek to limit the response to 1,000 words or less)

9. a. Will the intervention be a joint effort with another organization (e.g., a Regional Accountable Entity, Local Public Health Agency, a mental or community health center, another community organization or any other external organization)?

☐ Yes

☒ No

Partnerships are not required, but, if the hospital will partner, please complete the remainder of this question and provide the required documentation (see subpart c).

b. If yes, please complete the following chart, including listing the partner organization; listing the type of organization; indicating whether the hospital has previously partnered with the organization; and providing a high-level summary of the expected role of the organization in intervention's leadership and implementation.

Partner Organization Name	Type of Organization	Does the hospital have any previous experience partnering with this organization? (Yes or No)	Organization's Role in Intervention Leadership and Implementation (high-level summary)

c. Please also submit documentation of the partnership with each listed organization. Documentation may be provided separately for each organization listed above and could include: a contract; a memorandum of understanding; a business association agreement; a Letter of Partnership from the listed organization(s); or similar documentation. If a Letter of Partnership is provided, in it the organization should: (1) acknowledge that it intends to partner; (2) provide a brief description of the organization; (3) express agreement with the planned intervention; and (4) express agreement with the planned role it will have in leadership and implementation of the intervention as expressed above. The letter should be signed by a member of the organization's management and submitted with this application in the same .pdf document. The Letter of Partnership Template can be found on the HTP webpage.