

2023 Community Benefit Report and Report on 2023-2025 Implementation Strategies

CAMC General Hospital



CAMC Memorial Hospital



CAMC Women and Children's Hospital



CAMC
Health System

 **Vandalia Health**



Approved by Vandalia Health Board Planning on November 6, 2024 and by the CAMC Board of Trustees on November 21, 2024

The Community Benefit Report is made available to the public via the CAMC Health System website at www.camc.org and is available upon request from the hospital facility.

Charleston Area Medical Center

CAMC General Hospital, CAMC Memorial Hospital & CAMC Women and Children’s Hospital
Charleston, West Virginia

2023 Community Benefit Report and Report on 2023-2025 Implementation Strategies

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Charleston Area Medical Center

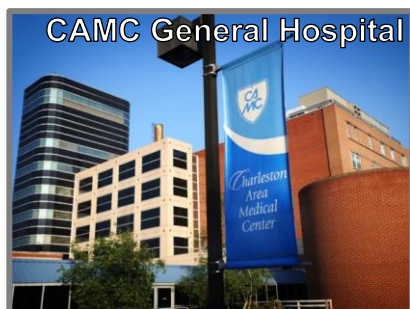
CAMC General Hospital, CAMC Memorial Hospital & CAMC Women and Children's Hospital
Charleston, West Virginia

2023 Community Benefit Report on 2023-2025 Implementation Strategies Executive Summary

This community benefit report describes the programs and services that take place every day at Charleston Area Medical Center to improve the health of our community. In 2023, Charleston Area Medical Center provided \$163,254,371 in community benefit. Our programs and services go well beyond the traditional health care we often think of when we consider hospital care and are delivered both inside and outside the walls of our hospitals. They are driven by our mission, *Striving to provide the best health care to every patient, every day*. Our hospitals and outpatient programs and services bring our mission to life – providing effective, efficient, equitable, timely and safe care to all, regardless of ability to pay.

Charleston Area Medical Center is a nonprofit hospital comprised of CAMC Memorial Hospital, CAMC General Hospital, CAMC Women and Children's Hospital, and CAMC Teays Valley Hospital. CAMC is also the sole member of CAMC Greenbrier Valley Hospital and CAMC Plateau Medical Center. The six hospitals in the CAMC health system participate in joint strategic planning and budgeting processes. Each hospital has responsibility for key service lines. Our hospitals care for our community residents throughout every stage of their lives. Our patients depend on us to provide high quality, convenient and compassionate care – care delivered regardless of a patient's ability to pay. CAMC's Kanawha County hospitals serve as resident teaching facilities for Cardiovascular Disease Fellowship, Interventional Cardiology Fellowship, Emergency Medicine, Family Medicine, Gastroenterology, Internal Medicine, Medicine-Psychiatry, Neurology, Obstetrics & Gynecology, Osteopathic Neuromusculoskeletal Medicine, Pediatrics, Psychiatry/Behavioral Medicine, Psychology Internship, Pulmonary Critical Care, Surgery, Urology, Vascular Surgery, Oral & Maxillofacial, and Pharmacy. We provide our community with programs of excellence in cardiovascular services, medicine, surgery, oncology, trauma, neurology, orthopedics, rehabilitation, bariatrics, and women and children's services. CAMC Teays Valley Hospital addresses community benefit for its Putnam County service area and completes its own community health needs assessment in conjunction with others in Putnam County. As a community hospital, CAMC Teays develops its own implementation strategies for its service area. CAMC Greenbrier Valley Hospital addresses community benefit for its Greenbrier County service area and completes its own community health needs assessment in conjunction with others in Greenbrier County. CAMC Greenbrier Valley Hospital develops its own implementation strategies for its service area.

We give back to our community because we understand the impact that exceptional medical care, charity care, education, corporate contributions and community partnerships have on the lives of real people. In this report, you will read about examples of the programs we provide to the community and how we demonstrate our community commitment.



**2023 COMMUNITY BENEFIT SUMMARY for
CAMC MEMORIAL, CAMC GENERAL,
CAMC WOMEN and CHILDREN'S, and
CAMC TEAYS VALLEY HOSPITALS***

CHARITY CARE AT COST **\$18,824,051**

Free or discounted health services provided to persons who meet the organization's criteria for financial assistance and are thereby deemed unable to pay for all or a portion of the services. Charity care is reported in terms of costs, not charges. Charity care does not include: (1) bad debt or uncollectible charges that the hospital recorded as revenue but wrote off due to failure to pay by patients, or the cost of providing such care to patients, (2) the difference between the cost of care provided under Medicaid or other means- tested government programs or under Medicare and the revenue derived therefrom, or (3) contractual adjustments with any third-party payors.

GOVERNMENT SPONSORED MEANS-TESTED HEALTH CARE SHORTFALLS

Includes the unpaid costs of public programs for low-income persons; the "shortfall" created when a facility receives payments that are less than cost of caring for public program beneficiaries. This payment shortfall is not the same as a contractual allowance, which is the full difference between charges and government payments.

Unreimbursed Medicaid **\$119,563,700**

Other Public Unreimbursed Costs **\$450,273**

Includes CHIPS, Prevention First, Catastrophic Illness Commission, Community Access Program

SUBSIDIZED HEALTH SERVICES **\$1,276,378**

Clinical programs that are provided despite a financial loss so significant that negative margins remain after removing the effects of charity care, bad debt and Medicaid shortfalls. Nevertheless, the service is provided because it meets an identified community need and if no longer offered, it would be either unavailable in the area or fall to the responsibility of the government or other not-for-profit organization to provide. Subsidized health services at CAMC include Family Resource Center support at \$501,069, the Lactation Support Program at \$215,705 and the Palliative Care Program at \$559,604.

COMMUNITY BENEFIT PROGRAMS AND SERVICES **\$23,139,969**

See details beginning on page 52.

Community Health Improvement Services	828,199
Health Professions Education	21,572,960
Financial and In-Kind Contributions	84,545
Community Building Activities	393,295
Community Benefit Operations	260,970

TOTAL **\$163,254,371**

In addition to the above, although Medicare and Bad Debt are not included as part of the community benefit report per IRS guidelines, they are reflective of CAMC's role in providing benefit to our community.

UNREIMBURSED MEDICARE AT COST **\$329,677,552**

Medicare is not considered a means tested program and thus is not included as part of community benefit.

BAD DEBT AT CHARGE **\$51,387,928**

Unreimbursed charges, excluding contractual adjustments, arising from the failure to pay by patients whose health care has not been classified as charity care.

NOTE: *Charity Care, Unreimbursed Medicare, Medicaid and Bad Debt – The total cost estimate for this care was determined by applying our Medicare ratio of cost to charges generated for these patient financial classifications.*

* *CAMC Teays Valley Hospital became part of Charleston Area Medical Center, Inc. in March 2014 and all CAMC hospitals are under the same provider number.*

CAMC General Hospital, CAMC Memorial Hospital and CAMC Women and Children’s Hospital

2023 Community Benefit and Implementation Strategy Report

The Kanawha Coalition for Community Health Improvement was founded in 1994 by Charleston Area Medical Center and other Kanawha County hospitals working in partnership with local organizations. The Coalition's mission is *to identify and evaluate health risks and coordinate resources to measurably improve the health of the people of Kanawha County*. A Community Needs Assessment is conducted through the Kanawha Coalition for Community Health Improvement every three years. The Implementation Strategies in this report are based on the 2022 Community Health Needs Assessment. The Kanawha Coalition for Community Health Improvement held a convening of Community Experts to rank and prioritize the top community needs and forms work groups to address these top issues. CAMC supports the work of these groups but also addresses the remaining health issues through a systematic process described on page 22.

The Kanawha Coalition for Community Health Improvement’s goals for the Community Health Needs Assessment process include:

1. Assess the health needs of the citizens of Kanawha County.
2. Inventory available resources.
3. Determine unmet needs.
4. Evaluate and prioritize needs.
5. Involve affected organizations and constituencies in developing possible solutions.
6. Develop consensus.
7. Facilitate implementation.
8. Measure and evaluate outcomes.

The Kanawha Coalition Assessment Process findings (County Health Data, Expert Opinion Survey, Convening of Experts, Listening sessions, and a paper and online survey) and the County Health Indicator Reports were systematically analyzed to develop a list of the top community health issues for our 12 county service area. These include:

LIVE: Health and Social
Wellness promotion and chronic disease prevention education <ul style="list-style-type: none">• Diabetes, Obesity, Heart Disease, COPD, Substance Use Disorder, HIV/AIDS, Hepatitis A/B/C, Mental Health
LIVE: Safety and Infrastructure
Safe roads & transportation <ul style="list-style-type: none">• Homelessness, Safe/Distracted Driving, Access to Transportation
LEARN
Access to affordable and adequate early childhood education <ul style="list-style-type: none">• Access and Availability of Early Childhood Education

WORK

Barriers to Work

- Low Wages, Lack of Job Opportunities/Education or Skills Training

PLAY

Access to safe and Adequate recreation, exercise and play opportunities

- Safety and Accessibility of Recreation Areas

CAMC staff serves on the community workgroups of the Kanawha Coalition for Community Health Improvement and along with Steering Committee members are involved in development of a community-wide community benefit plan addressing the top health issues identified during the Community Forum. They also support plan implementation and outcome measurement. The Steering Committee provides ongoing oversight to the work groups' plans. The workgroups accomplishments were as follows in 2023.

Kanawha-County Health Improvement Process Implementation Plan

Date Created: 1/1/2023 (DRAFT)

Date Reviewed/Updated: 07/30/24

PRIORITY AREA: Live: Health & Social
GOAL: Expand access to and knowledge of wellness promotion and chronic disease prevention education/Obesity

PERFORMANCE MEASURES		
How We Will Know We are Making a Difference		
Short Term Indicators	Source	Frequency
Work with local organizations on expanding knowledge of chronic diseases associated with obesity. Also, work with organizations to create or use existing platforms to promote information into Kanawha County	Annual CHIP Progress Report	Annually
Have monthly streaming sessions on various chronic diseases and in person on certain dates	Annual CHIP Progress Report	Annually
Work with organizations that are looking to do or expand Pharmacy type programs in Kanawha County. As well as working with organizations that offer cooking classes that promote healthy eating	Annual CHIP Progress Report	Annually
Long Term Indicators	Source	Frequency
Decrease the prevalence of obesity among Kanawha County residents from 39.4% to 38.4% by 2030 (USNew.com) through education	USNews.com	As updated
Decrease the prevalence of diabetes among Kanawha County adults from 11.8% to 10% by 2030 (USNews.com) through education	USNew.com	As updated
Decrease the prevalence of heart disease among Kanawha County adults from 7.7% to 6.7% by 2030 (USNews.com) through education	USNew.com	As updated
Decrease the prevalence of physical inactivity in Kanawha County from 30.2% to 28.2% among adults by 2030 (USNews.com) through education	USNew.com	As updated
Increase awareness of health literacy on chronic diseases associated with obesity		As updated
Increase the proportion of people who have access to places where they can engage in recreation and physical exercise and who are informed of what's going on in Kanawha County.		As updated

OBJECTIVE #1: Work with organizations to create or use existing platforms to promote information on chronic diseases that affect residents of Kanawha County

BACKGROUND ON STRATEGY
Source: KCCHI Focus Group Findings/Expert Online Survey
Evidence Base: Effectiveness of databases for residents to be instrumental in linking people with information.
Type of Change(s): Policy Systems Environmental
Rationale: A “one-stop”, centralized resource database for chronic disease information. Opportunities were identified as a need through KCCHI’s focus groups and expert online survey
Strategy: Centralized database for chronic disease information for all of Kanawha County
Target Audience: Adults, Children and Families

ACTION PLAN					
Activity	Target Date	Resources Required	Lead Person/ Organization	Anticipated Product or Result	Progress Notes
Find a source that is already available/work with other organizations who have					

database to promote in Kanawha County					
Expand or create(s) a platform that currently exist	January 2024				
Contact organizations with existing platforms to promote information sessions	January 2024				
Develop teams or identify existing teams for key geographic locations in Kanawha County	January 2024	Staff time Volunteer time Community teams	Kanawha-Charleston Health Dept/WV Health Right/Charleston Parks and Rec/Key4Kids/FamilyCare/SOHO/KCCHI	Community teams	January 2023
Teams conduct local list of providers that are doing some type of information sessions by geographic location	Ongoing	Staff time Volunteer time Community teams	Kanawha-Charleston Health Dept/WV Health Right/Charleston Parks and Rec/Key4Kids/FamilyCare/SOHO/KCCHI	Market inventory	January 2023

OBJECTIVE #2: Work with organizations that are looking to expand or create Cooking Classes in Kanawha County

BACKGROUND ON STRATEGY
Source:
Evidence Base: Engaging community members in local planning efforts has proven effective in multiple community development efforts.
Type of Change(s): Policy Systems Environmental
Rationale: work with local community-based organizations so residents will be willing to participate.
Strategy: Work in community by community to promote a healthy community
Target Audience: Kanawha County Residents

ACTION PLAN

Activity	Target Date	Resources Required	Lead Person/ Organization	Anticipated Product or Result	Progress Notes
Work with organizations to promote information sessions on chronic disease within Kanawha County	Ongoing	Staff time Volunteer time Participating communities Meeting space & materials	Kanawha-Charleston Health Dept/WV Health Right/Charleston Parks and Rec/Key4Kids/FamilyCare/SOHO/KCCHI	List of potential solutions to improve access to information concerning chronic diseases	Ongoing
Plan for monthly session to be live streamed or pre-recorded and uploaded to centralized local for all to see	Ongoing	Staff time Volunteer time Engagement of public and private	Kanawha-Charleston Health Dept/WV Health Right/Charleston Parks and Rec/Key4Kids/FamilyCare/SOHO/KCCHI	Engagement of low-income communities in Kanawha County	January
Work with the Kanawha Diabetes Coalition to promote awareness in Kanawha County	Ongoing	Engage with local government to ensure internet access	Kanawha-Charleston Health Dept/WV Health Right/Charleston Parks and Rec/Key4Kids/FamilyCare/SOHO/KCCHI	Enhanced transit routes	January
Create Hub for Diabetes/Obesity for community to regain their health	Ongoing	Staff time Volunteer time	Kanawha-Charleston Health Dept/WV Health Right/Charleston Parks and Rec/Key4Kids/FamilyCare/SOHO/KCCHI	Community plans Improved access	Ongoing

OBJECTIVE #3: Work with organizations to promote Rx vegetable program and healthy cooking classes in Kanawha County

BACKGROUND ON STRATEGY
Source:
Evidence Base: *The Guide to Community Prevention Services (The Guide)*
<https://www.thecommunityguide.org/sites/default/files/assets/Obesity-MD.pdf>
[thecommunityguide.org](https://www.thecommunityguide.org)

Type of Change(s): Policy Systems Environmental
 Rationale:
 Strategy:
 Target Audience: Community members

ACTION PLAN					
Activity	Target Date	Resources Required	Lead Person/ Organization	Anticipated Product or Result	Progress Notes
Identify and Recruit Stakeholders and others who are already working on alternative means of assisting vegetables as medicine programs	Ongoing	Staff time Volunteer time	Kanawha-Charleston Health Dept/WV Health Right/Charleston Parks and Rec/Key4Kids/FamilyCare/SOHO/Vandalia Health Systems/KCCHI	List of potential stakeholders	Ongoing
Engage Stakeholders in Developing implementation plan for pushing out program (or a segment) to county residents	Ongoing	Staff time Volunteer time Meeting space Meeting materials	Kanawha-Charleston Health Dept/WV Health Right/Charleston Parks and Rec/Key4Kids/FamilyCare/SOHO/Vandalia Health Systems/KCCHI	Implementation plan	Ongoing
Work with local organizations that doing cooking classes to improve lifestyle	Ongoing	Staff time Volunteer time	Kanawha-Charleston Health Dept/WV Health Right/Charleston Parks and Rec/Key4Kids/FamilyCare/SOHO/Vandalia Health Systems/KCCHI	Evaluation plan	Ongoing
Develop sustainability plan/Funding	Ongoing	Staff time Volunteer time	Kanawha-Charleston Health Dept/WV Health Right/Charleston Parks and Rec/Key4Kids/FamilyCare/SOHO/Vandalia Health Systems/KCCHI	Sustainability plan	Ongoing
Implement plan	Ongoing	Staff time Volunteer time Participation of community members	Kanawha-Charleston Health Dept/WV Health Right/Charleston Parks and Rec/Key4Kids/FamilyCare/SOHO/Vandalia Health Systems/KCCHI	To expand into different areas of Kanawha County	Ongoing
Plan for future challenges based upon outcomes, revise as needed	December 2023	Staff time Volunteer time	Kanawha-Charleston Health Dept/WV Health Right/Charleston Parks and Rec/Key4Kids/FamilyCare/SOHO/Vandalia Health Systems/KCCHI	Calendar of future event(s)	Ongoing

ALIGNMENT WITH STATE/NATIONAL PRIORITIES			
Objective #	WV Healthy People 2030	Healthy People 2030	National Prevention Strategy
1: Provides everyone access to accurate, actionable health information	X	X	X
2: Increase the dissemination and use of evidence-based health literacy practices and interventions.	X	X	X
3: Supports life-long learning and skills to promote good health	X	X	X

DESCRIBE PLANS FOR SUSTAINING ACTION

A permanent home for the centralized database will be identified. Possibly by using data bases for Keys4Kids and WV Health Right
 Local community development plans will be in place to address gaps in access to health information
 Community members will be linked to local resources and key stakeholders who can help support community plans.
 Potential for several grants this coming year

Kanawha-County Health Improvement Process Implementation Plan

Date Created: 4/15/2023 (DRAFT)

Date Reviewed/Updated: 07/30/2024

PRIORITY AREA: Safety and Infrastructure-Access to Mental Health services for Adults/Children
GOAL: To increase awareness of the importance of mental health and where to obtain services for Kanawha County

PERFORMANCE MEASURES		
How We Will Know We are Making a Difference		
Short Term Indicators	Source	Frequency
Increased knowledge of service in Kanawha County	Annual CHIP Progress Report	Annually
Identified gaps in residents receiving services in Kanawha County	Annual CHIP Progress Report	Annually
Identified barriers for residents in accessing mental health services	Annual CHIP Progress Report	Annually
Long Term Indicators	Source	Frequency
To improve the mental health services for Kanawha county Residents	Annual CHIP Progress Report	As updated
Improve academic performance among children	Annual CHIP Progress Report	As updated
Have hubs set up in Kanawha County to address mental health needs	Annual CHIP Progress Report	As updated
Limit the number of hospitalizations or emergency room visits	Annual CHIP Progress Report	As updated

OBJECTIVE #1: Increase the knowledge base of Kanawha County residents on the importance of mental health services and how to receive them					
BACKGROUND ON STRATEGY					
Source: KCCHI Focus Group Findings					
Evidence Base: Stupinski, A. M., Alshaabi, T., Arnold, M. V., Adams, J. L., Minot, J. R., Price, M., Dodds, P. S., & Danforth, C. M. (2022). Quantifying Changes in the Language Used Around Mental Health on Twitter Over 10 Years: Observational Study. JMIR mental health, 9(3), e33685. https://doi.org/10.2196/33685					
Type of Change(s): <input type="checkbox"/> Policy <input checked="" type="checkbox"/> Systems <input type="checkbox"/> Environmental					
Rationale: changes the culture and improve the health of the Kanawha County					
Strategy: to have open discussions on the importance of mental health and use local platform to do so					
Target Audience: Adults and families					
ACTION PLAN					
Activity	Target Date	Resources Required	Lead Person/ Organization	Anticipated Product or Result	Progress Notes
Locate service in Kanawha County	Service have been located within Kanawha County by Executive Director and a list has been complied				
What services are available to those with medicaid and Medicare insurance	January-ongoing 2024				
Educate the community about mental health	January ongoing 2024	Staff time Volunteer time Community teams	Prester/Keep Your Faith Corp/Healing House/ Restored Wellness Life Enrichment Services, LLC	Resource lists that can be linked to via new database	Ongoing

			/KCCHI Stakeholders Group		
Create an open, supportive environment:	Ongoing	Staff time Volunteer time	Prestera/Keep Your Faith Corp/Healing House/ Restored Wellness Life Enrichment Services, LLC /KCCHI Stakeholders Group	Shared environment for community	Work in Progress
Connect with local organizations	January Ongoing 2024	Staff time Funding	Prestera/Keep Your Faith Corp/Healing House/ Restored Wellness Life Enrichment Services, LLC /KCCHI Stakeholders Group	Working with local mental health providers in communities	Ongoing

OBJECTIVE #2: Work on lessening the stigma surrounding mental health and services

BACKGROUND ON STRATEGY

Source: Potts, L. C., Bakolis, I., Deb, T., Lempp, H., Vince, T., Benbow, Y., Waugh, W., Kim, S., Raza, S., Henderson, C., & INDIGO READ Study Group (2022). Anti-stigma training and positive changes in mental illness stigma outcomes in medical students in ten countries: a mediation analysis on pathways via empathy development and anxiety reduction. *Social psychiatry and psychiatric epidemiology*, 57(9), 1861–1873. <https://doi.org/10.1007/s00127-022-02284-0>

Evidence Base: Engaging businesses and local organizations to address mental health within their own businesses.

Type of Change(s): Policy Systems Environmental

Rationale: Community members know best what will work or not work in their community.

Strategy: Convene community meetings in areas where gaps are identified to facilitate discussions about solutions.

Target Audience: Community members

ACTION PLAN

Activity	Target Date	Resources Required	Lead Person/ Organization	Anticipated Product or Result	Progress Notes
Convene residents/key stakeholders in communities affected by gaps in access to mental health/facilitate opportunities and facilitate discussions to identify solutions.	January 2024- Ongoing	Staff time Volunteer time Participating communities Meeting space & materials	Prestera/Keep Your Faith Corp/Healing House/ Restored Wellness Life Enrichment Services, LLC /KCCHI Stakeholders Group	List of potential solutions to improve access to listening sessions	Improve on marketing to community residents. Ongoing
Engage faith-based in conversations with congregations and with organizations that can engage with seniors and local businesses	January 2024- Ongoing	Staff time Volunteer time Engagement of faith-based initiatives	Prestera/Keep Your Faith Corp/Healing House/ Restored Wellness Life Enrichment Services, LLC /KCCHI Stakeholders Group	Engagement of faith community	Work in Progress
Address barriers for community to access mental health services	January 2024- Ongoing	Staff time Volunteer time Citizen engagement	Prestera/Keep Your Faith Corp/Healing House/ Restored Wellness Life Enrichment Services, LLC /KCCHI Stakeholders Group	Enhanced access to listening platforms	Ongoing

OBJECTIVE #3 Engagement of community residents and build platform to speak about mental health services

BACKGROUND ON STRATEGY

Source: Adu, J., Oudshoorn, A., Anderson, K., Marshall, C. A., & Stuart, H. (2022). Social Contact: Next Steps in an Effective Strategy to Mitigate the Stigma of Mental Illness. *Issues in mental health nursing*, 43(5), 485–488. <https://doi.org/10.1080/01612840.2021.1986757>

Evidence Base: Highlight mental health service providers and the utilization of social media to aid in diminishing the stigma of mental illness

Type of Change(s): Policy Systems Environmental

Rationale: This strategy will promote better access among Kanawha County residents

Strategy: County-wide to promote having access to mental health services throughout Kanawha County

Target Audience: Employee’s and Community at large

ACTION PLAN

Activity	Target Date	Resources Required	Lead Person/ Organization	Anticipated Product or Result	Progress Notes
Identify and Recruit Stakeholders and others who are already working in mental health services	January 2024- Ongoing	Staff time Volunteer time	Prestera/Keep Your Faith Corp/Healing House/ Restored Wellness Life Enrichment Services, LLC /KCCHI Stakeholders Group	List of potential stakeholders	Done
Engage Stakeholders in Developing implementation plan to lessen the stigma of mental health/improve marketing to Kanawha residents	January 2024- Ongoing	Staff time Volunteer time Meeting space Meeting materials	Prestera/Keep Your Faith Corp/Healing House/ Restored Wellness Life Enrichment Services, LLC /KCCHI Stakeholders Group	Implementation plan	Working many depts for better promotion
Utilize social media and other platforms (Spotlight on Health/Community Spotlight on Health)	January 2024- Ongoing	Staff time Volunteer time	Prestera/Keep Your Faith Corp/Healing House/ Restored Wellness Life Enrichment Services, LLC /KCCHI Stakeholders Group	Evaluation plan	By tracking how many people view content
Develop sustainability plan		Staff time Volunteer time	Prestera/Keep Your Faith Corp/Healing House/ Restored Wellness Life Enrichment Services, LLC /KCCHI Stakeholders Group	Sustainability plan	Providing look at aiding with eliminating barriers

ALIGNMENT WITH STATE/NATIONAL PRIORITIES

Objectives #	WV Healthy People 2030	Healthy People 2030	National Prevention Strategy
1: Develop and expand access to mental health services knowledge through information sessions for employees and the public at large (on going)	X	X	X
2: Identify and address gaps in access to mental health services	X	X	X
3: How do residents go about connecting with the different services in Kanawha County	X	X	X

DESCRIBE PLANS FOR SUSTAINING ACTION

Partner with local organizations that provide free or low-cost mental health services for those who cannot afford them. Additionally, advocate for more funding and resources for mental health services.

Kanawha-County Health Improvement Process Implementation Plan

Date Created: 1/1/2023 (DRAFT)

Date Reviewed/Updated: 7/30/2024

PRIORITY AREA: Learn
GOAL: Access to/Knowledge of Early Childhood Education/Affordable Childcare

PERFORMANCE MEASURES		
How We Will Know We are Making a Difference		
Short Term Indicators	Source	Frequency
To increase the number of interest meeting for communities that are considered low income by 2%.	Annual CHIP Progress Report	Annually
To have served 200 to 300 one-page documents to local hospitals describing the importance of early childhood education	Annual CHIP Progress Report/ Local community development plans	Annually
To have one barrier Eliminated as it pertains to early childhood enrollment	Annual CHIP Progress Report	Annually
Long Term Indicators	Source	Frequency
Work with the BOE with ting early childhood education to child care	Board of Education	As updated
Measure enrollment from year to year	Board of Education	As updated
Aid in eliminating barriers to parents to enroll children	Board of Education	As updated
Increase enrollment in low-income areas by 5%	Board of Education	As updated
To screen children early to detect any learning disabilities	Board of Education	As updated

OBJECTIVE #1 To measure the participation in interest meeting and increase participation					
BACKGROUND ON STRATEGY					
Source: KCCHI Focus Group Findings					
Evidence Base: https://wvde.state.wv.us/oel/docs/Washington%20Assessment%20Guide.pdf					
Type of Change(s): <input type="checkbox"/> Policy <input checked="" type="checkbox"/> Systems <input type="checkbox"/> Environmental					
Rationale: Studies have shown that early childhood education aid in a child being a better student in the long run					
Strategy: Promote interest in a community setting and inform the community residents of the importance					
Target Audience: Adults and families					
ACTION PLAN					
Activity	Target Date	Resources Required	Lead Person/ Organization	Anticipated Product or Result	Progress Notes
Find funding source(s)					
Promoting interest meeting in low-income areas in Kanawha County	March, 2024				
The start of interest meeting in Kanawha County	April, 2024				
Meet with BOE/Pre-K to see what marketing materials will be needed for an advertising campaign	On going	Staff time Volunteer time Community teams	BOE/KCCHI Stakeholders	Market inventory	Completed
Monitor, update and evaluate database usage	September 2024 (on-going)	Staff time Funding	KCCHI Stakeholders Group / BOE	Quarterly progress reports	Completed

OBJECTIVE #2 Create a one-page document that can be placed into the newborn packages to provide information on the importance of early childhood education to new parents at local hospitals (CAMC and Thomas)

BACKGROUND ON STRATEGY

Source:

Evidence Base:

Type of Change(s): Policy Systems Environmental

Rationale: Introduce new parents to the importance of early childhood education, which will result in improved educational outcomes in the long run.

Strategy: by including a one-page document into newborn packages at hospitals

Target Audience: New parents

ACTION PLAN

Activity	Target Date	Resources Required	Lead Person/ Organization	Anticipated Product or Result	Progress Notes
Convene residents/key stakeholders in communities affected by gaps in access to discussions to identify solutions.	July - Oct., 2024	Staff time Volunteer time Participating communities Meeting space & materials	BOE/KCCHI Stakeholders Group	List of potential solutions to improve enrollment of Pre-K	Ongoing
Engage faith-based organizations to encourage participation in Pre-K initiative	July – Oct. 2024	Staff time Volunteer time Engagement of faith-based initiatives	BOE/KCCHI Stakeholders Group	Engagement of faith community	Completed
Support local planned initiatives to address gaps as deemed appropriate	July – March, 2024	Staff time Volunteer time	BOE/KCCHI Stakeholders Group	Community plans Improved access	Ongoing

OBJECTIVE #3: Working with BOE and with communities across Kanawha County to eliminate barriers and address gaps in services

BACKGROUND ON STRATEGY

Source: A Guide to Assessment in Early childhood

Evidence Base: <https://wvde.state.wv.us/oel/docs/Washington%20Assessment%20Guide.pdf>

Type of Change(s): Policy Systems Environmental

Rationale: By addressing the barriers that keep parents from bring children to Pre-K we can increase the overall numbers

Strategy: Working with faith-based organizations and Board of Education to address barriers

Target Audience: Kanawha County Residents

ACTION PLAN

Activity	Target Date	Resources Required	Lead Person/ Organization	Anticipated Product or Result	Progress Notes
Identify and Recruit Stakeholders and others who are also engaged in increasing enrollment	July, 2024	Staff time Volunteer time	BOE/KCCHI Stakeholders Group	List of potential stakeholders Ideas/resources	Ongoing process
Engage Stakeholders in Developing implementation plan to address berries (if there are any barriers to enrollment)	August 1, 2024	Staff time Volunteer time Meeting space Meeting materials	BOE/KCCHI Stakeholders Group	Implementation plan	Ongoing process
Develop evaluation plan	Ongoing 2024	Staff time Volunteer time	BOE/KCCHI Stakeholders Group	Evaluation plan	
Implement plan	ongoing	Staff time Volunteer time	BOE/KCCHI Stakeholders Group		Ongoing

		Participation of community members			
Plan for future challenges based upon outcomes, revise as needed	January 2024	Staff time Volunteer time	BOE/KCCHI Stakeholders Group	Calendar of future event(s)	Ongoing

ALIGNMENT WITH STATE/NATIONAL PRIORITIES

Objective #	WV Healthy Communities 2023	WV Healthy Communities 2023	Prevention Strategy
1: Increase awareness of the importance of Pre-K education	X	X	X
2: Implement one pager to insert into new parents packets	X	X	X
3: Increase enrollment in Kanawha County	X	X	X

DESCRIBE PLANS FOR SUSTAINING ACTION

The ultimate objective would be to amend the mandate to make Pre-K compulsory or to connect early childhood education to childcare, which would boost enrolment and provide children a head start in school. By collaborating with Kanawha County hospitals and the BOE, early childhood education should grow in popularity and relevance throughout the county.

Kanawha-County Health Improvement Process Implementation Plan

Date Created: 4/15/2023 (DRAFT)

Date Reviewed/Updated: 7/30/2024

PRIORITY AREA: Access/Knowledge of Job Opportunities for young adults 18 to 28
GOAL: To increase awareness of job opportunities as well as to access for young people in Kanawha County

PERFORMANCE MEASURES		
How We Will Know We are Making a Difference		
Short Term Indicators	Source	Frequency
Promote job fairs and other job-seeking opportunities through local media outlets, such as radio stations, newspapers, and television.	Annual CHIP Progress Report	Annually
Provide resources and guidance to young people who are interested in pursuing higher education and trade schools.	Annual CHIP Progress Report	Annually
Reach out to local churches, non-profits, and community organizations to spread the word about job opportunities and resources available to youth.	Annual CHIP Progress Report	Annually
Long Term Indicators	Source	Frequency
To improve access and knowledge of job opportunities	Annual CHIP Progress Report	As updated
Develop an internship program to provide young people with hands-on experience in a professional setting	Annual CHIP Progress Report	As updated
Decrease unemployment among 18-32 segments	Annual CHIP Progress Report	As updated

OBJECTIVE #1: Increase the knowledge base of Kanawha County residents on potential job opportunities for young adults 18 to 32

BACKGROUND ON STRATEGY
Source: KCCHI Focus Group Findings there is a lack of engagement with 18 to 28 as it relates to stepping into the job market.
Evidence Base: Loprest, P.J., Spaulding, S., & Nightingale, D.S. (2019). Disconnected Young Adults: Increasing Engagement and Opportunity. RSF, 5, 221 - 243.
Type of Change(s): Policy Systems Environmental
Rationale: changes the culture and improve the health of the Kanawha County
Strategy: Target young adults 18 to 28 for job opportunities in Kanawha County
Target Audience: Adults and families

ACTION PLAN					
Activity	Target Date	Resources Required	Lead Person/ Organization	Anticipated Product or Result	Progress Notes
Locate service in Kanawha County	Compile a list of job opportunities within Kanawha County				
Work with schools' community at large	January-ongoing 2024				
Educate the community about job opportunities available	January ongoing 2024	Staff time Volunteer time Community teams	American Jobs Center/Jobs In hope/First Choice Services/Tech Center/KCCHI Stakeholders Group	Resource lists that can be linked to database	Ongoing
Create an open, supportive environment:	Ongoing	Staff time Volunteer time	American Jobs Center/Jobs In hope/First Choice Services/Tech	Shared environment for community	Work in Progress

			Center/KCCHI Stakeholders Group		
Connect with local organizations	January Ongoing 2024	Staff time Funding	American Jobs Center/Jobs In hope/First Choice Services/Tech Center/KCCHI Stakeholders Group	Working with local businesses and mayors in Kanawha County	Ongoing

OBJECTIVE #2: Create Opportunities for Young Adults to have access to and Knowledge of Job Opportunities

BACKGROUND ON STRATEGY

Source: Mayombe, C. (2021). Partnership with stakeholders as innovative model of work-integrated learning for unemployed youths. Higher Education, Skills and Work-Based Learning.

Evidence Base: Engaging businesses and local organizations to address job opportunities for young adults 18 to 28 within Kanawha County.

Type of Change(s): Policy Systems Environmental

Rationale: Community members know best what will work or not work in their community.

Strategy: Convene community meetings in areas where gaps are identified to facilitate discussions about solutions.

Target Audience: Community members

ACTION PLAN

Activity	Target Date	Resources Required	Lead Person/ Organization	Anticipated Product or Result	Progress Notes
Convene residents/key stakeholders in communities affected by gaps in access to job opportunities/facilitate opportunities and facilitate discussions to identify solutions.	January 2024- Ongoing	Staff time Volunteer time Participating communities Meeting space & materials	American Jobs Center/Jobs In hope/First Choice Services/Tech Center/KCCHI Stakeholders Group	List of potential solutions to improve access to listening sessions	Improve on marketing to community residents. Ongoing
Engage businesses, Universities, Trade Schools, and the community at large	January 2024- Ongoing	Staff time Volunteer time Engagement of faith-based initiatives	American Jobs Center/Jobs In hope/First Choice Services/Tech Center/KCCHI Stakeholders Group	Engagement of community	Work in Progress
Address barriers for young adults to engage in gaining full time employment	January 2024- Ongoing	Staff time Volunteer time Citizen engagement	American Jobs Center/Jobs In hope/First Choice Services/Tech Center/KCCHI Stakeholders Group	Enhanced access to listening platforms	Ongoing

OBJECTIVE #3 Actively engagement of young adults 18 to 28 on gainful employment

BACKGROUND ON STRATEGY

Source: Lambert, T. E (2023) The Great Resignation in the United States: A Study of Labor Market Segmentation: College of Business, University of Louisville, Louisville, KY, USA <https://www.tandfonline.com/doi/abs/10.1080/07360932.2022.2164599>

Evidence Base: Addressing why so many have walked away from positions or refuse to enter the workforce.

Type of Change(s): Policy Systems Environmental

Rationale: This strategy will promote better access among Kanawha County residents

Strategy: County-wide to promote having knowledge of job opportunities throughout Kanawha County

Target Audience: Employee's and Community at large

ACTION PLAN

Activity	Target Date	Resources Required	Lead Person/ Organization	Anticipated Product or Result	Progress Notes
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Engagement of young adults 18 to 28 on job opportunities by having recruitment sessions for specific employers	August 2024- Ongoing	Staff time Volunteer time	American Jobs Center/Jobs In hope/First Choice Services/Tech Center/KCCHI Stakeholders Group	List of potential stakeholders	In progress
Set up an internship program with Universities, trade schools and High Schools in Kanawha County	August 2024- Ongoing	Staff time Volunteer time Meeting space Meeting materials	American Jobs Center/Jobs In hope/First Choice Services/Tech Center/KCCHI Stakeholders Group	Implementation plan	Working many depts for better promotion
Utilize social media and other platforms to pull young adults into the Job market	January 2024- Ongoing	Staff time Volunteer time	American Jobs Center/Jobs In hope/First Choice Services/Tech Center/KCCHI Stakeholders Group	Evaluation plan	By tracking how many people view content
Develop sustainability plan	January 2024- Ongoing	Staff time Volunteer time	American Jobs Center/Jobs In hope/First Choice Services/Tech Center/KCCHI Stakeholders Group	Sustainability plan	Providing look at aiding with eliminating barriers

ALIGNMENT WITH STATE/NATIONAL PRIORITIES

Objectives #	WV Healthy People 2030	Healthy People 2030	National Prevention Strategy
1: Develop and expand access for young adults' knowledge through information sessions for job opportunities and the public at large (on going)	X	X	X
2: Identify and address gaps in accessing information about job opening in Kanawha County	X	X	X
3: How do 18 to 28 young adults gain information about employers and how to motivate them to join the workforce in Kanawha County	X	X	X

DESCRIBE PLANS FOR SUSTAINING ACTION

1. Establish a Youth Employment Initiative: This initiative could focus on providing employment opportunities for young adults through job fairs and career counseling services. The initiative should include resources to help young adults build their resumes, practice interviewing, and research potential employers.
2. Support Small Businesses: Many small businesses in Kanawha County rely on the support of residents. Encouraging young adults to shop small and patronize local businesses can help spark job creation and build the local economy.
3. Create Apprenticeships: Apprenticeships are a great way for young adults to gain practical, on-the-job experience. Encouraging local businesses to offer apprenticeships to young adults can help them gain the skills and confidence needed to compete in the job market.
4. Foster Educational Opportunities: Investing in educational opportunities in the community can help young adults gain the skills they need to join the workforce. This could include offering classes or workshops on topics like financial literacy, computer literacy, and job-specific skills.
5. Promote Networking: Networking is an important part of finding a job. Encouraging young adults to attend networking events or join professional organizations can help them build relationships with potential employers.

Kanawha-County Health Improvement Process Implementation Plan

Date Created: 1/12/2023 (DRAFT)

Date Reviewed/Updated: 7/30/24

PRIORITY AREA: Play
GOAL: Expand access to and knowledge of community centers and senior centers in Kanawha County and the services provided by these facilities.

PERFORMANCE MEASURES		
How We Will Know We are Making a Difference		
Short Term Indicators	Source	Frequency
An online database to increase knowledge of and access to recreation/physical activity opportunities, searchable by location in Kanawha County	Annual CHIP Progress Report	Annually
Identified gaps in access to recreation/physical activity opportunities and locally developed plans to address these gaps.	Annual CHIP Progress Report/ Local community development plans	Annually
Better job of promoting among residents of Kanawha County activities as well as physical fitness.	Annual CHIP Progress Report	Annually
Long Term Indicators	Source	Frequency
Increase the percentage of population with adequate access to locations for physical activity and awareness of activities in Kanawha County		As updated
Decrease the prevalence of obesity among WV adults from 40.6% to 38.6% by 2030 (Healthy People 2030)	Healthy People 2030	As updated
Decrease the prevalence of obesity among WV children from 35.5% to 30.0% by 2030 (Healthy People 2030)	Healthy People 2030	As updated
Increase the prevalence of leisure-time exercise among West Virginia adults from 70.3% to 73.0% by 2030 (BRFSS 2022)	Healthy People 2030	As updated
Decrease the prevalence of physical inactivity in WV from 29.6% to 25.66% among adults by 2030 (Healthy People 2030)	Healthy People 2030	As updated

OBJECTIVE #1: Increase and expanded recreational/physical activity database, searchable by locations in Kanawha County by July 1, 2025.

BACKGROUND ON STRATEGY
Source: KCCHI Focus Group Findings/Expert Online Survey
Evidence Base: <https://effectivedatabase.com/why-should-you-have-a-centralized-system/>
Type of Change(s): Policy Systems Environmental
Rationale: A “one-stop”, centralized resource database for recreational and physical activity opportunities was identified as a need through KCCHI’s focus groups and expert online survey
Strategy: Centralized database for recreational and physical activity opportunities
Target Audience: Adults, Children and Families

ACTION PLAN					
Activity	Target Date	Resources Required	Lead Person/ Organization	Anticipated Product or Result	Progress Notes
Create or find a source that is already available/work with other organizations who have database to promote in Kanawha County					
Expand database(s) that currently exist	January 2024				

Contact organizations with current database	January 2024				
Develop teams or identify existing teams for key geographic locations in Kanawha County	2024	Staff time Volunteer time Community teams	WV Health Right/ASWV Charleston Parks & Recreation/SOHO/keys4kids/ KCCHI Stakeholders Group	Community teams	Identified
Teams conduct local inventory of recreational and physical activity opportunities by geographic location	Ongoing	Staff time Volunteer time Community teams	WV Health Right/ASWV Charleston Parks & Recreation/SOHO/keys4kids/ KCCHI Stakeholders Group	Market inventory	Identified
Identify other existing lists of resources (public parks, city parks, community centers, KEYS4HK GIS map, etc.)	Ongoing	Staff time Volunteer time	WV Health Right/ASWV Charleston Parks & Recreation/SOHO/keys4kids/ KCCHI Stakeholders Group	Resource lists that can be linked to via new database. Shared use agreements	Ongoing
Monitor, update and evaluate database usage	(on-going)	Staff time Funding	WV Health Right/ASWV Charleston Parks & Recreation/SOHO/keys4kids/ KCCHI Stakeholders Group	Quarterly progress reports	Ongoing

OBJECTIVE #2: Identify and address gaps in access to recreational and physical activity opportunities (see action plan under objective one).

BACKGROUND ON STRATEGY

Source:

Evidence Base: Engaging community members in local planning efforts has proven effective in multiple community development efforts.

Type of Change(s): Policy Systems Environmental

Rationale: Community members know best what will work or not work in their community.

Strategy: Convene community meetings in areas where gaps are identified to facilitate discussions about solutions.

Target Audience: Community members

ACTION PLAN

Activity	Target Date	Resources Required	Lead Person/ Organization	Anticipated Product or Result	Progress Notes
Convene residents/key stakeholders in communities affected by gaps in access to recreational and physical activity opportunities and facilitate discussions to identify solutions.	Ongoing	Meeting with local leaders and organizations.	WV Health Right/ASWV Charleston Parks & Recreation/SOHO/keys4kids/ KCCHI Stakeholders Group	List of potential solutions to improve access to recreational and physical activity opportunities	Ongoing
Work with local groups to facilitate knowledge of activities going on in local communities	Ongoing		WV Health Right/ASWV Charleston Parks & Recreation/SOHO/keys4kids/ KCCHI Stakeholders Group	Engagement of faith community	Ongoing
Assess Kanawha Regional Transit routes to access physical activity opportunities and work with KRT to address transportation barriers	Ongoing	Staff time Volunteer time Citizen engagement KRT engagement	WV Health Right/ASWV Charleston Parks & Recreation/SOHO/keys4kids/ KCCHI Stakeholders Group	Enhanced transit routes	Still in process
Support local planned initiatives to address gaps as deemed appropriate	Ongoing	Staff time Volunteer time	WV Health Right/ASWV Charleston Parks & Recreation/SOHO/keys4kids/ KCCHI Stakeholders Group	Community plans Improved access	Ongoing

OBJECTIVE #3: Implement a countywide tracking system and database

BACKGROUND ON STRATEGY

Source:
Evidence Base: *The Guide to Community Prevention Services (The Guide)*
<https://www.thecommunityguide.org/sites/default/files/assets/Obesity-MD.pdf>[thecommunityguide.org](https://www.thecommunityguide.org)
Type of Change(s): Policy Systems Environmental
Rationale: This strategy will promote the new online recreation/physical activity opportunities database to link residents to opportunities accessible in their community. (see Objective 1: Action Plan)
Strategy:
Target Audience: Community members

ACTION PLAN

Activity	Target Date	Resources Required	Lead Person/ Organization	Anticipated Product or Result	Progress Notes
Identify and Recruit Stakeholders and others who are already working on tracking system and databases (i.e., Active Southern WV, Keys4Kids, Charleston Parks & Recreation, etc.)	Ongoing	Staff time Volunteer time	ASWV/Charleston parks and Recreation/KCCHI	List of potential stakeholders	ASWV has implemented in January 2024
Engage Stakeholders in Developing implementation plan for pushing out activities to county residents	Ongoing	Staff time Volunteer time Meeting space Meeting materials	ASWV/Charleston parks and Recreation/KCCHI	Implementation plan	Ongoing
Develop evaluation plan	Ongoing	Staff time Volunteer time	ASWV/Charleston parks and Recreation/KCCHI	Evaluation plan	Ongoing
Develop sustainability plan	Ongoing	Staff time Volunteer time	ASWV/Charleston parks and Recreation/KCCHI	Sustainability plan	Ongoing
Implement plan	Ongoing	Staff time Volunteer time Participation of community members	ASWV/Charleston parks and Recreation/KCCHI	Community wide classes and activities	SOHO has been using the tracking system currently
Plan for future challenges based upon outcomes, revise as needed	Ongoing	Staff time Volunteer time	ASWV/Charleston parks and Recreation/KCCHI	Calendar of future event(s)	Ongoing

ALIGNMENT WITH STATE/NATIONAL PRIORITIES

Objective #	WV Healthy People 2030	Healthy People 2030	National Prevention Strategy
1: Develop an expanded recreational/physical activity database, searchable by geographic locations in Kanawha County by December 2024 (on going)	X	X	X
2: Identify and address gaps in access to recreational and physical activity opportunities as identified	X	X	X
3: Work with local groups to promote recreational centers/senior centers	X	X	X

DESCRIBE PLANS FOR SUSTAINING ACTION

A permanent home for the centralized database will be identified which has been put in place in January 2024. Potentially 1305 Workshop Wizard database
 Local community development plans will be in place to address gaps in access to recreation/physical activity opportunities.
 Community members will be linked to local resources and key stakeholders who can help support community plans.
 Potential for small community grants within the Charleston area.

CHARLESTON AREA MEDICAL CENTER COMMUNITY NEEDS PLANNING

Charleston Area Medical Center is licensed for 956 beds on four campuses: General Hospital (268 beds), Memorial Hospital (472 beds), Women and Children’s Hospital (146 beds) and CAMC Teays Valley Hospital (70 beds). CAMC General, Memorial and Women and Children’s hospitals are all located in the city limits of Charleston in Kanawha County. General Hospital focuses primarily on the neurological, orthopedic, trauma and rehabilitation service lines. Memorial Hospital supports the cardiac, peripheral vascular and oncology services lines. Women and Children’s Hospital focuses on mother, baby, pediatric and gynecology service lines. Medicine and general surgery cross both Memorial and General Hospitals. Community benefit services are aligned by service versus hospital, thus at times are clearly aligned by hospital, but not in the case of many of the activities that span all hospitals. Additionally, many of our reports that are used for benchmarking and comparisons are for CAMC versus the individual hospitals.

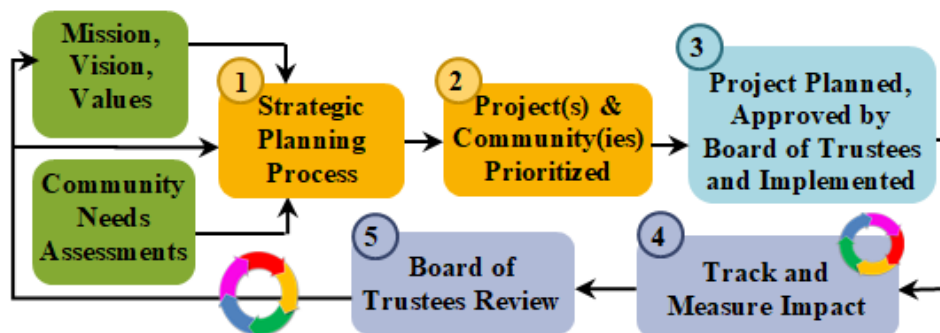
Although all CAMC hospitals are licensed separately, the Kanawha County Charleston hospitals jointly plan, implement goals and report into one governance structure. Because CAMC Teays Valley Hospital is located in Putnam County and serves as a community hospital, it completes its own community needs assessment and implementation strategies.

The CAMC Board of Trustees governs all CAMC hospitals and approves the Community Health Needs Assessments, Implementation Strategies and annual community benefit reports.

Community benefit is defined as a program or activity that responds to a demonstrated health-related community need and seeks to achieve at least one community benefit objective:

- Improve access to health services
- Enhance public health
- Advance generalizable knowledge
- Relieve a government burden to improve health (CHA, Vizient, Verite Healthcare Consulting, December 2020)

The following outlines CAMC’s community support process:



Annually during the strategic planning process¹ we review the community health needs assessment findings, community priorities and our Environmental Analysis. In alignment with our mission, vision and values, we identify community health projects and their associated communities¹ for our community plan. These projects are³ planned, implemented, and posted to our CAMC website. We⁴ track and measure progress and use the DMAIC process for improvement. The CAMC Board approves the plan and⁵ reviews plan progress annually. Because of the size and scope of our services, the approach we use to identify our key communities² is based on the project, key stakeholder needs, and our capacity. Our community for the KCCHI work groups is Kanawha County as determined by the KCCHI mission. For our CAMC strategy, community is based on the need identified through needs assessments for each of our service area counties and the population to be addressed. For example, our work to build a sustainable Research Infrastructure

covers all of West Virginia and our HIV program serves our entire service area. Each strategy is deployed through a planning process that addresses key stakeholder needs and is evaluated based on predetermined criteria for outcomes expected. Cycles of learning have resulted in alignment of Civic Affairs Council monetary contributions to community needs, and to improvements from the random telephone survey process. In addition, CAMC staff serve on the community workgroups of the Kanawha Coalition for Community Health Improvement and they, along with Steering Committee members, are involved in development of a community-wide community benefit plan addressing the top health issues identified during the Convening of Community Experts. They also support plan implementation and outcome measurement. The Steering Committee provides ongoing oversight to the work groups' plans. Once the KCCHI plans are developed, as part of the strategic planning process, CAMC determines if there are additional areas of support that can be provided by CAMC to address the identified issues. The following table lists programs provided by CAMC that address these community priorities and are identified and funded as part of operational planning by the CAMC Board of Trustees.

ADDRESSED BY CAMC	CAMC General	CAMC Memorial	CAMC WCH	How Addressed by CAMC (Implementation strategies and ongoing work) (I) = Implementation Strategy
LIVE: Health and Social				
Wellness promotion and chronic disease prevention education				
Diabetes	X	X	X	<ul style="list-style-type: none"> • Keys 4 HealthyKids - Reduce Childhood Obesity, Prevent Diabetes (I) • FARMacy Program (I) • Diabetic Eye Screenings (I) • Gestational Diabetes Class at FRC
Obesity	X	X	X	<ul style="list-style-type: none"> • Keys 4 HealthyKids – Improve Access and Consumption of Local Produce (I) • Healthy Neighborhood Partnership with Dollar General (I) • Genesis 5K Program • Healthy Wage Challenges (Weight Loss/Healthy Steps)
Limited Access to Food/Food Insecurity	X	X	X	<ul style="list-style-type: none"> • FARMacy Program (I) • Healthy Neighborhood Partnership with Dollar General (I) • Sow & Grow (I) • Social Determinants of Health – Coordinated Care Network (I)
Heart Disease		X		<ul style="list-style-type: none"> • Build a sustainable research infrastructure that substantively contributes to improving WV health outcomes (I) • Advanced Life Support Training • Heart Failure Readmission • CMS Indicator Compliance • American Heart Association Sponsorship • Women Heart Support Group • Charleston WV Heart Walk
COPD	X	X	X	<ul style="list-style-type: none"> • Build a sustainable research infrastructure that substantively contributes to improving WV health outcomes (I) • CMS Indicator Compliance • COPD Readmissions • Smoke Free Campuses
Cancer		X	X	<ul style="list-style-type: none"> • Cancer Center Fashion Show • Cancer Center Support Group • Breast Cancer Awareness Activities • Breast Cancer Survivorship Group • Run for Your Life • Screen 2 Intervene • Healthy Steps Exercise Program • Build a sustainable research infrastructure that substantively contributes to improving WV health outcomes (I) • Community Cancer Education Inc. (Civic Affairs)

				<ul style="list-style-type: none"> • CAMC Foundation Grant–CAMC Breast Center free mammograms to uninsured/underinsured women; CAMC Cancer Center for assistance with meds, chemo, supplies, etc.
Dental	X	X	X	<ul style="list-style-type: none"> • Mobile Unit
Substance Abuse/Addiction, HIV/AIDS, Hepatitis A/B/C	X	X	X	<ul style="list-style-type: none"> • Ryan White Program (I) • RMOMS (I) • WCH C.A.R.E (I) • Build a sustainable research infrastructure that substantively contributes to improving WV health outcomes (I) • Baby First Program Addiction Services Peer Recovery Support Specialists • REA of Hope Fellowship Home – Civic Affairs
Wellness Promotion	X	X	X	<ul style="list-style-type: none"> • Discounted Lab Work • Healthy Neighborhood Partnership with Dollar General (I) • Healthy Kanawha Wellness Program (I) • Drive Thru Health Fairs (I) • RMOMS (I) • Vaccine Initiatives
LIVE: Safety and Infrastructure				
Safe roads & transportation				
Mental Health	X	X	X	<ul style="list-style-type: none"> • Outpatient Mental Health Services for Uninsured & Underinsured • Provide medical direction to EMS agencies (I) • Family Resource Center • The Healing House (Civic Affairs)
Homelessness	X	X	X	<ul style="list-style-type: none"> • Provide medical direction to EMS agencies (I) • WV Health Right–Access to Care, Pharmacy Services • Covenant House – Civic Affairs
Crime	X	X	X	<ul style="list-style-type: none"> • Provide medical direction to EMS agencies (I)
LEARN				
Access to affordable and adequate early childhood education				
Access and Availability of Early Childhood Education	X	X	X	<ul style="list-style-type: none"> • Teddy Bear Fair • Keys 4 HealthyKids - Reduce Childhood Obesity, Prevent Diabetes (I) • Drive Thru Health Fairs (I)
WORK				
Barriers to work				
Jobs/Wages	X	X	X	<ul style="list-style-type: none"> • Medical Explorers • Healthcare Career Showcase • CAMC Career Road Map
Lack of Diverse Job Opportunities, Workforce Development	X	X	X	<ul style="list-style-type: none"> • Build the Base of Local Growers and Artisans • Imagine U • Junior Nurse Academy • CAMC Foundation Grant – Tuition Assistance • Teaching Institution
PLAY				
Access to safe and adequate recreation, exercise and play opportunities				
Access to Arts, Culture & Entertainment Opportunities	X	X	X	<ul style="list-style-type: none"> • CAMC Pride Card
Shopping/Business Opportunities	X	X	X	<ul style="list-style-type: none"> • CAMC Pride Card
Access to Recreational Spaces in Neighborhoods	X	X	X	<ul style="list-style-type: none"> • United Way Day of Caring • CAMC Pride Card • CAMC Event at Appalachian Power Park

ALTHOUGH NOT COUNTED AS CAMC COMMUNITY BENEFIT, CAMC HEALTH SYSTEM COMPANIES PLAY A SIGNIFICANT ROLE IN COMMUNITY HEALTH IMPROVEMENT:

CAMC Health Education and Research Institute serves as the education and research arm of the CAMC Health System. The Institute promotes the health of the community by:



Institute for Academic Medicine

 **Vandalia Health**

- Sponsoring health professional training programs training the region's health professionals.
- Providing continuing education to health professionals in the community, region and state.
- Sponsoring management and leadership development programs.
- Sponsoring community health education and prevention education programs for the community.
- Conducting clinical and health services research targeted to improve health and health services delivery of our patients and community.
- Pursuing special program funding and grants to support education and research programs.
- Sponsoring simulation training experiences for regional education affiliates.
- Promoting and sustaining networks and partnerships that improve access to clinical trials and research funding opportunities.

CAMC Foundation, Inc. is the fund-raising organization for Charleston Area Medical Center (CAMC). The foundation works with donors to secure current and future support for CAMC programs and services to improve the health of the people in West Virginia. Looking to the future of health care in southern West Virginia, the CAMC Foundation serves as the conduit for charitable care; to help CAMC deliver high-level clinical health care, to provide educational opportunities for practitioners to become healers, and to fund social medical services for those in need. The foundation's mission is to support and promote Charleston Area Medical Center's delivery of excellent and compassionate health services and its contributions to the quality of life and economic vitality of the region.



CAMC Foundation

 **Vandalia Health**

The CAMC Foundation is guided by a volunteer board of directors representing many facets of our community, as well as a staff of individuals with many years' experience and strong community ties and loyalty.

CAMC Teays Valley Hospital, a 70-bed rural hospital in Putnam County, WV, provides acute and emergency services to its community as well as community benefit to the residents of its county. CAMC Teays completes its own Community Health Needs Assessment and Community Benefit Report.

INPUT RECEIVED ON PRIOR COMMUNITY HEALTH NEEDS ASSESSMENT AND IMPLEMENTATION STRATEGY FROM THE PUBLIC

CAMC’s 2023 Community Health Needs Assessment and Implementation Strategy was made widely available on CAMC’s website and the Needs Assessment was also published on the Kanawha Coalition for Community Health Improvement website. Annually, CAMC reports on the Implementation Strategies and these are posted to the CAMC website. CAMC did not receive any input from the public through the CAMC website.

INPUT OF ACTIONS TAKEN TO ADDRESS THE SIGNIFICANT HEALTH NEEDS IDENTIFIED IN CAMC’S PRIOR COMMUNITY BENEFIT REPORT ON IMPLEMENTATION STRATEGIES

Progress toward achievement of implementation strategies identified in CAMC’s 2023 Community Health Needs Assessment and Report on Implementation Strategies in 2023 and CAMC’s 2020 Community Health Needs Assessment and Report on the Implementation Strategies in 2020, 2021 and 2022 were considered in the following ways:

- a. Progress toward achievement of each implementation strategy was reviewed and assessed to determine if further action could bring additional improvement.
- b. The results of each of the Kanawha Coalition’s Workgroups was also reviewed and assessed to determine level of effectiveness in improving the identified area.
- c. Once the 2023 CHNA top issues were identified from the community health needs assessment and analysis of CAMC’s primary and secondary service areas, the issues were compared to the prior implementation strategy to determine if continued focus was warranted for any of the issues or if new strategies needed to be developed.

For example, Limited Access to Food was identified as a top issue in the 2017 CHNA and the 2023 CHNA, but not in the 2020 CHNA. CAMC continued to address this issue because access to healthy food is linked to Diabetes, Obesity, and Heart Disease, which have been noted as priority issues within our community in the 2023 Community Health Needs Assessment.

2023 - 2025 CAMC Community Benefit Plan

2023 Progress on Implementation Strategies

JOINT IMPLEMENTATION STRATEGIES: The following community benefit implementation strategies are inclusive of CAMC General, CAMC Memorial and CAMC Women and Children’s hospitals. Due to our corporate structure, corporate support for planning, quality, safety, finance and other functions, we address these issues for all hospitals from a system perspective as Charleston Area Medical Center.

1. Social Determinants of Health Initiative
2. Pharmacy Program
3. Provide HIV Primary Care and Decrease New HIV Infections
4. Build a Sustainable Research Infrastructure that Substantively Contributes to Improving WV Health Outcomes
5. Healthy Neighborhoods Partnership with Dollar General
6. Drive Thru Health Fairs
7. Diabetic Eye Screenings
8. Healthy Kanawha Wellness Program
9. Catch My Breath Program
10. Appalachian Pulmonary Health Project

#1	Charleston Area Medical Center – General Hospital, Memorial Hospital and Women and Children’s Hospital
COMMUNITY HEALTH NEED	Wellness promotion and chronic disease prevention
IDENTIFIED HEALTH ISSUE	Improve access to services for people who experience financial insecurities that relate to food and utilities as well as improving transportation barriers.
COMMUNITY SERVED	Greater Kanawha Valley, Medicaid/Medicare beneficiaries, fixed/limited income residents.
PROGRAM DESCRIPTION AND RATIONALE	The Social Determinants of Health (SDoH) initiative bolsters access to essential services for individuals facing financial insecurities, especially in food, utilities, and transportation. Recognizing the challenges many community members face, this initiative addresses transportation barriers to ensure that distance or mobility challenges don’t prevent access to crucial services. Central to this effort is establishing a coordinated care network that seamlessly integrates health and social assistance providers. Through collaboration and streamlined communication, the program endeavors to provide a smooth experience for individuals seeking services, eliminating the everyday obstacles of bureaucracy and fragmentation. The ultimate goal is to construct a more resilient, interconnected, supportive community environment.
STRATEGIC OBJECTIVE	SOCIAL DETERMINANTS OF HEALTH (SDoH) - Focus on creating a coordinated care network of health and social service providers to ensure people can access the services they need seamlessly.
GOALS TO ADDRESS THE HEALTH NEED	<ul style="list-style-type: none"> • Food insecurities: <ul style="list-style-type: none"> ○ Increase access to healthy food options in low-income communities. ○ Provide financial assistance to help people afford food. ○ Educate people about healthy eating habits. • Utilities paying/management: <ul style="list-style-type: none"> ○ Help people find affordable housing with utilities included. ○ Provide financial assistance to help people pay their utility bills. ○ Educate people about how to manage their utility bills. • Transportation barriers: <ul style="list-style-type: none"> ○ Provide carpool matching services. ○ Create more accessible public transportation. ○ Educate people about transportation options.

MEASURE TO EVALUATE THE IMPACT	Number of referrals, Percentage of patients that received needed services
TIMELINE	2023-2025 First year building connection and resources to refer patients to. Second year focuses on being able to continue to grow resources and start directing those in need to the appropriate help. Third year will consist of building and referring but being able to quantify the success of the program by generating reports of closed success/unsuccessful cases.
RESOURCES	Referral Management: Service providers can send and receive electronic referrals, ensuring that individuals get the care or services they need, whether clinical care, food assistance, housing, or any other service. Coordination: The platform tracks the individual's journey through the system, allowing organizations to see the referral status, whether a service was delivered, and the outcome. Data & Analytics: Provides insights and reports on how services are being used, which can guide decision-making and highlight areas where more resources might be needed. Addressing Social Determinants of Health: By linking health and social service providers, address social needs such as housing, food insecurity, transportation, and employment, recognizing that these factors can significantly impact health outcomes. Communication Tools: The platform allows for secure and confidential communication between organizations, ensuring that sensitive information is protected while facilitating coordination. Integration with Existing Systems: Can be integrated with electronic health records (EHRs) and other IT systems, making it a seamless part of an organization's workflow.
PARTNERS/ COLLABORATORS	Unite Us is a technology company that has developed a platform aimed at connecting healthcare and social service providers. The platform facilitates coordination and referrals among a network of community organizations and service providers, making it easier for individuals to access the services they need. Unite Us enables organizations, whether they are health systems, governments, or nonprofits, to form integrated networks where partners can collaborate to address the social determinants of health.
2023 PROGRESS	VHN is participating in a multi-disciplinary committee organized through West Virginia Health Information Network (state HIE) that brings ALL sources of referrals to one location to increase interoperability and increase care alignment for the patient, ensuring that help is received and not duplicating services. Continuing to explore SDOH referral tools such as Find Help, Unite Us and others, along with partnering with payors (Highmark and Unicare) on tracking this information and loop closure for shared patients.

#2	Charleston Area Medical Center – General Hospital, Memorial Hospital and Women and Children’s Hospital
COMMUNITY HEALTH NEED	Food insecurity and diabetic management education
IDENTIFIED HEALTH ISSUE	Improve access to healthy produce and disease management maintenance for individuals that suffer from diabetes and food insecurity
COMMUNITY SERVED	Individuals within Kanawha, Logan, Monongalia, Greenbrier, Cabell counties who reside in a food desert community

PROGRAM DESCRIPTION AND RATIONALE	<p>FARMacy is a Food as Medicine program where individuals are identified based on screening positive for food insecurity and uncontrolled diabetes (defined as having an A1c greater than 7.0%). This program aims to conclude that disease management can be achieved through access to healthy foods to address food insecurities along with increased nutritional, physical activity, and disease process education.</p> <p>Annual 15-week Program – Patients have the opportunity to obtain weekly servings of produce along with standardized education aimed at improving the understanding of diabetes management and healthy lifestyle changes.</p> <p>Pop-Up Markets – Community members have the opportunity to engage with a healthcare practice while gathering fresh produce along with education materials on diabetes management and healthy lifestyle changes.</p>
STRATEGIC OBJECTIVE	REDUCE FOOD INSECURITIES AND IMPROVE HEALTH OUTCOMES IN DIABETIC PATIENTS
GOALS TO ADDRESS THE HEALTH NEED	<ol style="list-style-type: none"> 1. Provide consistent healthy produce to participants 2. Improve patient self-accessed disease management and healthy lifestyle knowledge 3. Improve health outcomes for diabetic patients through intervention
MEASURE TO EVALUATE THE IMPACT	<ul style="list-style-type: none"> • Number of patients enrolled • Percent of patients with improved labs, weight, and body mass index (BMI) • Percent of patients male vs female <p>Start of annual Program: Labs consisting of A1c and total cholesterol are collected at onset of 15-week program</p> <p>Weekly: Weight and blood pressure are recorded weekly</p> <p>Conclusion of annual Program: A1c and total cholesterol are collected to compare to the values from the start of the program</p>
TIMELINE	May 2022 – Oct 2024 with opportunity for additional funding
RESOURCES	<p>Grant Funding: Unicare WV. Through partnerships with payers, funding is secured to provide weekly produce from local area farms along with educational materials and monitoring equipment consisting of body scale, food scale, measuring cups and spoons, water reminder bottle, vegetable slicer, pedometer, reference materials and journals. Education on disease specific nutritional information and physical activity is provided weekly to the participants in a group setting. Cooking demonstrations are also utilized to educate participants in healthy cooking options for the produce received.</p>
PARTNERS/ COLLABORATORS	<p>Vandalia Health Network Unicare WVU Extension Services Ornery Acres Farm Four Seasons Produce Mountain Harvest Gritt's Farm CAMC LabWorks Mon Health Lab Services</p>
2023 PROGRESS	<p>2023 results – added 4 locations for 15-week program and 10 pop-up markets 5 clinic locations 75 patients enrolled; total served approximately 300; 63% female, 35% male, 1%transgender 8.6% decrease in HbA1c; 3.4% decrease in BMI; no change in average cholesterol; Average systolic BP decreased by 6 points; average diastolic decreased by 4 points 2024 to date: 9 15-week locations; 10 pop-up markets; 75 patients enrolled with opportunity for more</p>

#3	Charleston Area Medical Center – General Hospital, Memorial Hospital and Women and Children’s Hospital
COMMUNITY HEALTH NEED	Substance Abuse/Addiction, HIV/AIDS, Hepatitis A/B/C, Mental Health
IDENTIFIED HEALTH ISSUE	HIV in West Virginia
COMMUNITY SERVED	Part C 19 county service area in southern West Virginia
PROGRAM DESCRIPTION AND RATIONALE	The CAMC Ryan White (RW) Program’s mission is to increase access to services for individuals at-risk-for or infected with HIV disease and to provide culturally sensitive, quality, comprehensive HIV-related primary care, regardless of a patient’s ability to pay. The program is currently the only fully funded Part C site in southern West Virginia and provides HIV primary care to approximately 520 individuals at three locations (CAMC Outpatient Care Center Memorial, CAMC-RWP Beckley Clinic and RWP Mobile Medicine Clinic). 80% of all new diagnoses identified or referred to the RWP in 2022 were related to injection drug use, many of whom are unstably housed. Patients served have grown by over 40% in the last three years, largely fueled by the ongoing HIV outbreak in Kanawha County. HIV and SUD stigma remains the single largest barrier to care. Services include primary and pregnancy care and HIV specialty care; mental health; referral to addiction and specialty care; case management and social services; HIV testing/counseling and linkage in community and in ED/hospital (Early Intervention Services), and client retention in care by providing food, transportation, emergency utility and housing assistance. The program serves primarily the rural, underserved and impoverished counties of this area. As of December 31, 2022, a total of 2,207 were living with HIV/AIDS in West Virginia.
STRATEGIC OBJECTIVE	PROVIDE HIV PRIMARY CARE AND DECREASE NEW HIV INFECTIONS
GOALS TO ADDRESS THE HEALTH NEED	<p>Quality Medical Initiatives:</p> <ol style="list-style-type: none"> 1. Client Linkage and Retention Program for high-risk newly diagnosed in community 2. HIV viral load suppression with ART 3. Integrated mobile medicine unit clinic for HIV, HCV, SUD, Women’s Health, STD and Primary Care telehealth – West Side Charleston and Eastern Kanawha County 4. HIV Testing and Linkage services for SUD in ED/hospital 5. Telemedicine via OPCC, Beckley and Mobile Clinic to clients in southern counties 6. Intensive clinical case management for unstably housed persons with SUD and/or mental health issues 7. Work with hospital to decrease SUD stigma towards patients by employees/staff <p>Outreach/Support Services:</p> <ul style="list-style-type: none"> • Free rapid HIV testing/education/linkage to other services via “mobile backpack”, targeted populations such as harm reduction clinics, drop-in centers, soup kitchens and other HIV venues such as community wellness events e.g. Addiction recovery month, WV Pride Week activities • Community Linkage Coordinator client street outreach and ongoing contact • Community Linkage Coordinator development of relations with corrections, other county Overdose Quick Response Teams (QRTs), county health departments, harm reduction clinics, corrections, addiction recovery centers and sober living homes • Staff travel to Beckley for weekly clinic. • Telemedicine clinics

	<ul style="list-style-type: none"> • Emergency funding for food pantry and for immediate life-saving needs such as lack of utilities and temporary stable environment for homeless/unstably-housed HIV-positive clients, in or out of care. • Collaboration with Covenant House, RCCR and KVC for housing • Travel exhibits • Newsletters and educational brochures distribution • Social media • UC and WV State University student programs • Social Media client support <p>Prevention:</p> <ul style="list-style-type: none"> • Condom distribution • HIV Test kit education and distribution • Education Presentations and lectures • Partner PrEP education and treatment • Vaccines
<p>MEASURE TO EVALUATE THE IMPACT</p>	<p><u>2023:</u></p> <ul style="list-style-type: none"> • HIV viral load suppression 87% • Number of new clients 52 of 491 total • Number of out-of-care clients returned to care 5 • Number of clients' partners/contacts on PrEP 4 • Number of HIV tests performed/number of positives recorded 599/7 • Client surveys 38 • Number of clients who are unstably housed 48 • Number of clients receiving addiction care 54 • Number of clients receiving mental health care 46 • Number of clients receiving Hepatitis C treatment 9 • Number of clients receiving food pantry assistance 140 • Number of clients receiving emergency utility/housing assistance 24 • Number of patients receiving transportation assistance 250
<p>TIMELINE</p>	<p>2023-2025</p>
<p>RESOURCES</p>	<p>CAMC Charity Care CAMC Outpatient Care Center CHERI HRSA Ryan White Part C HRSA 340B Program Income Highmark WV SUD Grant CAMC Foundation</p>
<p>PARTNERS/ COLLABORATORS</p>	<p>CAMC Health Education and Research Institute, Office of Grants Development and Compliance and Center for Academic Medicine CAMC Addiction Care Team WV Bureau for Public Health Div of STD, HIV, Hepatitis and TB (DSHHT) Highmark WV Covenant House City of Charleston CARE Team Religious Coalition for Community Renewal (RCCR) Kanawha Valley Collective (KVC) WV Health Right Ryan White Part B Program CAMC Foundation</p>

2023 PROGRESS	<p>The CAMC Ryan White Program continues to provide comprehensive primary care and has expanded access to both current and additional services for HIV-infected individuals in southern West Virginia.</p> <p>CAMCRWP is the only provider of comprehensive primary outpatient care in southern West Virginia. The program's 19-county service area comprises 37% of the state's total population and 39% of the total reported HIV/AIDS cases statewide. Between 2018 and 2024, CAMCRWP population increased by 62%. Nearly 70% of new patients in 2023 of CAMC RWP service area reported IDU as a risk factor and those numbers continue to grow.</p> <p>All 55 WV counties are designated as rural areas. Southern WV's remote topography remains the major barrier to health care access. There are no medical providers with experience in HIV care outside of the areas of Charleston or Beckley. Recruiting and retaining specialists is a major issue, as physicians look to move out of state for economic and cultural opportunities in urban areas.</p> <p>The program has an active Clinical Quality Management Program aimed at improving substance use disorder (SUD) screening, retention/clinic no show rates, case management, syphilis education and viral load suppression. Additionally, there are aggressive treatment plans, retention strategies and risk reduction aimed at those with SUD and/or those experiencing homelessness.</p> <p>Target Population/Initiatives</p> <ul style="list-style-type: none"> • Linkage and retention has become one of our top priorities, particularly for those in active addiction and who are homeless. Staff provides mobile medical care, telecommunications or goes to where patients are and collaborates with other agencies to address SUD treatment and housing. We work with those out-of-care to overcome barriers to clinic visits, such as transportation or stigma. • We have added staff to in all four CAMC hospitals to ensure HIV testing for high-risk populations and linkage to either prevention or care services, as well as referrals for housing and other support services, now averaging 70 consults per week. • WV leads the nation in drug overdose deaths and is one of the top ten states for rates in several drug use categories among young adults with a significant increase in opiate and amphetamine dependency. We are providing more counseling and treatment resources and increasing our role in serving our patients with SUD. We have expanded staff time for personal contact to address addiction and homelessness.
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#4	Charleston Area Medical Center – General Hospital, Memorial Hospital and Women and Children’s Hospital
COMMUNITY HEALTH NEED	Substance Use Disorder, Cancer, Heart Disease, COPD
IDENTIFIED HEALTH ISSUE	Poor Health Outcomes in West Virginia
COMMUNITY SERVED	State-wide
PROGRAM DESCRIPTION AND RATIONALE	<p>CAMC has entered a third cycle of partnering through the WV Clinical and Translational Science Institute (WVCTSI), which was created in 2012. A founding member of WVCTSI, CAMC has worked within WVCTSI to form a well-connected, statewide health research network, creating the infrastructure to address substantial health issues of WV. WVCTSI has been a transformative force, implementing investigator mentoring services, establishing pilot project funding, forming a practice-based research network, creating an integrated data repository of 2 million unique electronic medical records, developing a culture of research integrity, and working with partners to establish trust and collaboration.</p> <p>Major Health Concerns: Poverty is pervasive in Appalachia with counties of “high poverty” (presence of poverty rates > 1.5 the U.S. average) located mainly in WV and</p>

	Eastern Kentucky. Appalachian mortality rates have increased with most counties of eastern Kentucky and southern WV having mortality rates well in excess of the US average. WV ranks 47th among the 50 states in the 2015 America’s Health Rankings and at or near the bottom for several chronic diseases including cancer and cardiovascular disease. Moreover, WV has the highest prevalence of smoking. Drug addiction is highly prevalent with drug overdose deaths in WV increasing 47% to 32.4 per 100,000 population, the highest per capita death rate in the United States. As a result of the increased prevalence of intravenous drug use, hepatitis B and C incidence have sky-rocketed resulting in the highest and second highest rates, respectively, in the nation. Though there are a plethora of areas to potentially target, the impact will be greatest by focusing on the following health priorities: addiction and resultant emerging epidemics (hepatitis C), cancer, cardiovascular disease, and chronic lung disease.																				
STRATEGIC OBJECTIVE	BUILD A SUSTAINABLE RESEARCH INFRASTRUCTURE THAT SUBSTANTIVELY CONTRIBUTES TO IMPROVING WV HEALTH OUTCOMES																				
GOALS TO ADDRESS THE HEALTH NEED	<p>Aim 1: Conduct epidemiological and biostatistical consulting services, including application of techniques such as geospatial approaches.</p> <p>Aim 2: Provide statistical, epidemiologic, and research design training for clinician researchers.</p> <p>Aim 3: Develop comprehensive infrastructure and collaborations across WV that facilitate clinical study participation among diverse rural populations.</p> <p>Aim 4: Disseminate research findings.</p> <p>Aim 5: Improve the quality and impact of clinical and translational research in WV.</p> <p>Aim 6: Spark early-stage investigator development in clinical and translational research.</p>																				
MEASURE TO EVALUATE THE IMPACT	<p>Figure 2. WVCTSI Overall Logic Model</p> <table border="1"> <thead> <tr> <th>Activities</th> <th>Outputs</th> <th>Outcomes - Short Term</th> <th>Outcomes - Intermediate</th> <th>Outcomes - Long Term</th> </tr> </thead> <tbody> <tr> <td>Build collaborative, productive research infrastructure across West Virginia that addresses WV health disparities.</td> <td>Studies addressing WV disparities; Linked pubs; Ext. funding props/awards.</td> <td>50% of studies address WV disparities; ↑10% # linked pubs, # ext. funding proposals, & \$ ext. funding.</td> <td>75% of studies address WV disparities; ↑15% # linked pubs, # ext. funding proposals, & \$ ext. funding.</td> <td>>85% studies address WV disparities; 10 high profile publications (e.g., NEJM); ↑20% # ext. funding proposals & \$ ext. funding.</td> </tr> <tr> <td>Train and position for success the next generation of clinician scientists and translational researchers that excel in team science, positively impacting health in WV.</td> <td>Early-stage investigators (ESIs) using services; ESI linked pubs, ext. funding props/ awards</td> <td>↑10% ESI service use, # ESI pubs, # ESI props, & \$ ESI ext. funding.</td> <td>↑15% ESI service use, # ESI pubs, # ESI props, & \$ ESI ext. funding.</td> <td>↑25% ESI service use, # ESI pubs, # ESI props, & \$ ESI ext. funding; ↑25% \$ ESI funding; >2 ESIs transition to independence</td> </tr> <tr> <td>Actively engage multiple stakeholders, including rural communities, in research and effectively disseminate research to rural populations in a manner that facilitates understanding and trust.</td> <td>Clinical study enrollment; Policy & practice changes; Stakeholder events.</td> <td>↑10% study enrollment, # policy/ practice changes, # stakeholder events, & # stakeholders engaged.</td> <td>↑20% study enrollment, # policy/ practice changes, # stakeholder events, & # stakeholders engaged.</td> <td>↑25% study enrollment, # policy/ practice changes, & # stakeholders engaged; Decreased mortality in >1 chronic disease.</td> </tr> </tbody> </table>	Activities	Outputs	Outcomes - Short Term	Outcomes - Intermediate	Outcomes - Long Term	Build collaborative, productive research infrastructure across West Virginia that addresses WV health disparities.	Studies addressing WV disparities; Linked pubs; Ext. funding props/awards.	50% of studies address WV disparities; ↑10% # linked pubs, # ext. funding proposals, & \$ ext. funding.	75% of studies address WV disparities; ↑15% # linked pubs, # ext. funding proposals, & \$ ext. funding.	>85% studies address WV disparities; 10 high profile publications (e.g., NEJM); ↑20% # ext. funding proposals & \$ ext. funding.	Train and position for success the next generation of clinician scientists and translational researchers that excel in team science, positively impacting health in WV.	Early-stage investigators (ESIs) using services; ESI linked pubs, ext. funding props/ awards	↑10% ESI service use, # ESI pubs, # ESI props, & \$ ESI ext. funding.	↑15% ESI service use, # ESI pubs, # ESI props, & \$ ESI ext. funding.	↑25% ESI service use, # ESI pubs, # ESI props, & \$ ESI ext. funding; ↑25% \$ ESI funding; >2 ESIs transition to independence	Actively engage multiple stakeholders, including rural communities, in research and effectively disseminate research to rural populations in a manner that facilitates understanding and trust.	Clinical study enrollment; Policy & practice changes; Stakeholder events.	↑10% study enrollment, # policy/ practice changes, # stakeholder events, & # stakeholders engaged.	↑20% study enrollment, # policy/ practice changes, # stakeholder events, & # stakeholders engaged.	↑25% study enrollment, # policy/ practice changes, & # stakeholders engaged; Decreased mortality in >1 chronic disease.
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TIMELINE	2023 - 2028																				
RESOURCES	CTSI Grant CAMC																				
PARTNERS/ COLLABORATORS	CAMC/CHERI/WVU/Lewisburg Medical School/Marshall/VA/NIOSH																				
2023 PROGRESS	Overview of Key Metrics: At the close of the reporting period, there were 151 peer-reviewed publications and 71 presentations that were officially linked to this project. This activity, as you might suspect, occurred in multiple therapeutic areas addressing the healthcare needs for our state.																				

#5	Charleston Area Medical Center – General Hospital, Memorial Hospital and Women and Children’s Hospital
COMMUNITY HEALTH NEED	Obesity, Heart Disease, SDoH – WV Food Insecurity
IDENTIFIED HEALTH ISSUE	Limited access to Food, Obesity, DM, Cardiovascular Disease
COMMUNITY SERVED	Network patients identified as food insecure using SDoH tool or clinical screening
PROGRAM DESCRIPTION AND RATIONALE	Healthy Neighborhood aims to address food insecurity and improve health outcomes by providing a prefunded, restricted-use debit card to purchase healthy and nutritious food in Dollar General stores. There are 242,180 people in West Virginia food insecure, including 68,130 children. Nearly 39,000 people who are food insecure are in Huntington and in a recently released report the Commonwealth Fund for 2019-20, WV ranked 50 th for adults who are obese and 51 st for children who are overweight or obese. Limited access to fresh fruits and vegetables and healthier forms of lean protein as opposed to the more affordable high-calorie, low nutrient, and processed foods, is a major factor contributing to obesity in our patient population. West Virginia ranked 2 nd highest nationally in the prevalence of general health of adults as either fair or poor. West Virginia’s overall food insecurity rate was 13.5 percent in 2019, and likely increased due to COVID-19 in the following years.
STRATEGIC OBJECTIVE	REDUCE FOOD INSECURITY AND IMPROVE HEALTH OUTCOMES
GOALS TO ADDRESS THE HEALTH NEED	<ol style="list-style-type: none"> 1. Increase enrollment within VHN/MHN 2. Expand program outside of network
MEASURE TO EVALUATE THE IMPACT	<ul style="list-style-type: none"> • Number of enrollments by end of year • Number of patients report increased food access • Number of patients report decreased food insecurity
TIMELINE	2023-2025
RESOURCES	<p>Grant Funding: Highmark West Virginia Charitable Fund for Health, Highmark Foundation</p> <p>Referral Base: Patients are screening for food insecurity within their practice location and referred eligibility verification.</p> <p>Debit Card: Prefunded, restricted-use debit cards are sent to the patient by In-Comm</p> <p>Spend tracking: Card usage tracking is available on each participant to ensure utilization of the benefit</p> <p>Point of Sale: Education is provided to Dollar General stores on the procedure to accept this benefit</p>
PARTNERS/ COLLABORATORS	<p>Highmark Foundation</p> <p>Vandalia Health Network</p> <p>Vandalia Health</p> <p>Mountain Health Network</p> <p>Marshall Internal Medicine</p> <p>FamilyCare Health System</p> <p>WV Health Right</p> <p>InComm Payments</p> <p>Dollar General</p>
2023 PROGRESS	<p>12/2023 enrollment: 370</p> <p>55% of patients reported increased access to healthy foods and decrease in food insecurity</p> <p>8/2024 Enrollment: 517</p> <p>Increased referral base for the program along with added WalMart and Kroger as retailers in 2023. Additional retailers in 2024 (Dollar Tree and Family Dollar)</p>

#6	Charleston Area Medical Center – General Hospital, Memorial Hospital and Women and Children’s Hospital
COMMUNITY HEALTH NEED	Access to COVID-19 and flu immunizations, general health and wellness information and screening
IDENTIFIED HEALTH ISSUE	Improve preventive screening rates and general health and wellness knowledge of the surrounding communities.
COMMUNITY SERVED	Community members in Kanawha and surrounding counties
PROGRAM DESCRIPTION AND RATIONALE	Quick and convenient access to immunizations, preventive screening and routine wellness information continues to be a barrier for our patients. This need was highlighted during the COVID-19 pandemic when access to many preventive care services were not available. Drive Thru Health Fairs offer a quick, convenient option for community members to access health information and preventive screening. Community health fairs are hosted at a variety of locations to appeal to the most convenient location to the patient. Basic screening such as blood pressure and blood glucose level are checked while the patient is safely in their parked car. This allows an opportunity for severe cardiovascular or diabetic issues to be observed. Education is supplied on appropriate disease state such as diabetes, COPD, CAD, CHF while necessary preventive care recommendations by age are shared. The patient has an opportunity to have additional laboratory services.
STRATEGIC OBJECTIVE	INCREASE ACCESS TO IMMUNIZATIONS, BASIC HEALTH ASSESSMENTS, AND WELLNESS KNOWLEDGE
GOALS TO ADDRESS THE HEALTH NEED	<ol style="list-style-type: none"> 1. Increase preventative screening rates for service offered at each drive through health fair 2. Provide preventative care and wellness information to a broad community 3. Increase patient reach throughout the community
MEASURE TO EVALUATE THE IMPACT	<ul style="list-style-type: none"> • Number of participants • Number of participants who received each preventative screening offered
TIMELINE	Ongoing
RESOURCES	Engagement of community partners to supply targeted information and services. Physical community locations throughout the county provide a variety of options to meet the patient in a convenient location.
PARTNERS/ COLLABORATORS	<p>Vandalia Health Network Payer Partners – Unicare, Aetna Better Health, The Health Plan, Humana, United Healthcare Kanawha Valley Emergency Ambulance Authority Kanawha Charleston Health Department Charleston Fire Department CAMC Telemedicine CAMC LabWorks CAMC Women’s and Children American Cancer Society</p>
2023 PROGRESS	With COVID restrictions lessens, we are able to get back to hosting events closer to the patient at practice sites. Wellness events coordinated between VHN, ABH, VHN practices (Coalfield Health Sys) where preventative screenings were scheduled, and general health education provided; approx. number served 20. Continue to partner with all payors to increase wellness events. 2024-CAMC mobile unit to be deployed at area community events to offer mammography and/or CT scans along with vaccinations where appropriate.

#7	Charleston Area Medical Center – General Hospital, Memorial Hospital and Women and Children’s Hospital
COMMUNITY HEALTH NEED	Diabetes
IDENTIFIED HEALTH ISSUE	Limited availability to appropriate eye screening for diabetic patients
COMMUNITY SERVED	Patients in and around Kanawha County who have an open opportunity for a diabetic eye exam
PROGRAM DESCRIPTION AND RATIONALE	Diabetic eye exams are important to improve the management of diabetes in those patients. Small changes to the eye that do not affect vision may be detected with a retinal eye exam, slowing the progression by initiating appropriate treatment at an early stage. The aim is to increase availability of diabetic retinal eye cameras at the point of care with the patient. By deploying handheld cameras, this can be achieved. Training is provided to practice staff to ensure proper scanning. Practices are encouraged to incorporate the camera into the clinic workflow to capture the scan of any appropriate patient.
STRATEGIC OBJECTIVE	INCREASE THE DIABETIC EYE SCREENING RATE IN DIABETIC PATIENTS
GOALS TO ADDRESS THE HEALTH NEED	<ol style="list-style-type: none"> 1. Improve access to diabetic retinal eye cameras. 2. Improve detection of diabetic pathology.
MEASURE TO EVALUATE THE IMPACT	<ul style="list-style-type: none"> • Collect totals of scans completed and compared to the total number of individuals in need of a diabetic retinal eye exam • Total referrals made for additional specialist ophthalmology services due to pathology identified • Total number of scans unable to interpret
TIMELINE	2023 - 2025
RESOURCES	<p>Grant Funding: Unicare, physical camera donations by Aetna Better Health WV</p> <p>Retina Scans: A portable handheld retinal eye camera is used to collect a picture of the internal anatomy of the eye to access for the presence of change consistent with diabetic retinopathy. Dilation drops are used at the discretion of the rendering provider, Primary Care Physician (PCP)</p> <p>Interpretation: Software included within the camera encrypts the images and uploads to a platform where they are interpreted by an assigned ophthalmology provider. Image reports are downloaded from a secure portal and incorporated into the Electronic Health Record (EHR) where further clinical decisions are made by the PCP and referrals to specialists as appropriate.</p> <p>Service reimbursement: Rendering provider submits claim to appropriate payer for service reimbursement</p>
PARTNERS/ COLLABORATORS	<p>IRIS Retina Labs Aetna Better Health WV Unicare Kanawha Valley Emergency Ambulance Authority Cabin Creek Health System CAMC Family Medicine CAMC Telemedicine</p>
2023 PROGRESS	<p>2 Cameras purchased from IRIS using funds from Unicare 10/2023. One camera was deployed to CAMC Family Medicine Center where hands on training was implemented along with EMR orders created to be able to bill for service. Initial count of images taken in 2023 was 4 in two months’ time with 1 of those being unreadable. 1 camera was deployed to Marshall Health where the same training was implemented. 2 Cameras gifted by ABH were deployed to Cabin Creek Health System.</p> <p>2024 goals are redeploying and retraining efforts due to staffing changes along increasing screens through use of mobile unit fleet.</p>

#8	Charleston Area Medical Center – General Hospital, Memorial Hospital and Women and Children’s Hospital
COMMUNITY HEALTH NEED	Wellness promotion and chronic disease prevention education
IDENTIFIED HEALTH ISSUE	Lack of awareness of activities and knowledge of the importance of overall health
COMMUNITY SERVED	Kanawha County
PROGRAM DESCRIPTION AND RATIONALE	<p>Program Description: Healthy Kanawha is a comprehensive wellness program aimed at improving health outcomes across our county through education, fitness, proper nutrition, preventive care, and community building. Programming is open to all residents regardless of age, background, or socioeconomic status.</p> <p>Healthy Kanawha offers free weekly exercise classes in group settings to promote physical fitness. This includes strength training, yoga, Zumba, and outdoor activities. Cooking demonstrations and nutrition seminars teach healthy eating habits and skills. Health education videos provide information on chronic disease prevention and management. We facilitate connections to clinical services like health screenings and insurance enrollment. Social gatherings and friendship circles address isolation and forge bonds.</p> <p>Classes take place at local parks, churches, community centers and other accessible locations. Transportation, on-site childcare, and supplies are provided free of charge. Program guides, social media, are used heavily for recruitment and promotion.</p> <p>Rationale: Healthy Kanawha aims to address alarming rates of obesity, diabetes, heart disease, cancer, and other chronic conditions in our county by empowering residents to make positive lifestyle changes. Physical inactivity, poor nutrition, and smoking contribute significantly to preventable illnesses and healthcare costs here. Access barriers like transportation, lack of time, and cost also impede wellness. By bringing fun, engaging health promotion activities directly to neighborhoods across our county, we can reduce these barriers and equip residents with the knowledge, skills, and motivation to improve their health. Evidence shows that programs integrating education, fitness, nutrition, community building and clinical linkages are effective at sparking and sustaining behavior change. We believe comprehensive, multilevel intervention tailored to community needs provides the best chance to create a culture of health and wellbeing in Kanawha County.</p>
STRATEGIC OBJECTIVE	IMPROVE HEALTH OUTCOMES ACROSS OUR COUNTY THROUGH EDUCATION, FITNESS, PROPER NUTRITION, PREVENTIVE CARE, AND COMMUNITY BUILDING.
GOALS TO ADDRESS THE HEALTH NEED	<ul style="list-style-type: none"> • Engage 25 community partners such as businesses, schools, and faith groups • Secure funding to make all programming free for participants by end of Year 1 • Launch social marketing campaign and have 1,000 followers on social media by Year 2
MEASURE TO EVALUATE THE IMPACT	<p>Participation Tracking</p> <ul style="list-style-type: none"> • Collect registration/attendance data for all classes, events, and activities • Track number of unique participants over time <p>Physical Health Screenings</p> <ul style="list-style-type: none"> • Measure weight, BMI, body fat percentage, blood pressure, glucose at baseline and intervals • Monitor screening scores over time to assess health improvements
TIMELINE	2023-2025
RESOURCES	Grant funded through WV Health Right, Family Care and WVSU by Unicare and Humana for cooking classes, exercise classes

PARTNERS/ COLLABORATORS	Kanawha Coalition for Community Health Improvement WV Health Right, Family Care West Virginia State University Kanawha-Charleston Health Dept Charleston Parks and Recreation Humana Active Southern WV
2023 PROGRESS	<ul style="list-style-type: none"> • We have expanded our partners for Healthy Kanawha to include KCCHI, WV Health Rite, FamilyCare, WVSU Extensions, Charleston Parks & Recreation, Kanawha Diabetes Coalition, Kanawha Parks and Recreation, Kanawha-Charleston Parks and Recreation, Active Southern WV, Humana, Spotted Owl Healthcare Organization, First Settlement Physical Therapy, Bring Back the Village, Rediscover Health LLC, Bright Futures Now, More Excellent Way Life Center Church, Rise LLC, Walgreens (Kanawha County), Coal River Group, A Special Touch In Home Healthcare & Elk River Trail Foundation • Funding for programing has come from many sources and by working with a collaborative approach we have managed to provide free classes the whole year of 2023 for Kanawha County residents. • Currently there are 544 participants active on the social media page, so we are halfway to reaching 1000 residents and gaining ground every week. • Working with Active Southern WV has implemented a tracking system in Kanawha County by using Spotted Owl Healthcare Organization and the activities the organization promotes in the county. This was a paper system and proved to be successful to some extent. We were able to track participants who signed a waiver and did sign in sheets over the course of the year. • We were not able to do physical health screenings this last year. • There were 235 participants in the course of the year involved in activities. On Social Media, there were over 350 actively engaging. A breakdown of activities would be Zumba averaged 20 people per class age range 24 to 74, Yoga averaged 6 people ranging from 43 to 60, Soul Line Dancing averaged 10 people ranging from 28 to 55, Walking group averaged 10 to 12 people age range 18 to 62, Water Aerobics averaged 10-15 attending age range 68 to 75, and Tai Chi averaged 5-8 attending age range 68 to 75.

#9	Charleston Area Medical Center – General Hospital, Memorial Hospital and Women and Children’s Hospital
COMMUNITY HEALTH NEED	Primary prevention of chronic obstructive pulmonary disease and other chronic lung diseases through anti-vaping/tobacco education in middle schools
IDENTIFIED HEALTH ISSUE	Chronic Obstructive Pulmonary Disease and other respiratory illnesses caused by, or exacerbated by the use of tobacco and vape products
COMMUNITY SERVED	Middle schools in all 55 counties in WV
PROGRAM DESCRIPTION AND RATIONALE	<p>“<i>CATCH My Breath</i>” is an anti-vaping educational program geared towards middle school aged kids (grades 5-10). Over the past four years, <i>Partners in Health Network, Inc.</i> has administered an incentive program to actively encourage middle schools to participate. Teacher champions within the schools become certified through a train-the-trainer web-based education program. The schools receive monetary incentives for each child who completes the entire program. The suggested use of those funds is for health and wellness programs within the schools. Students are evaluated on their attitudes towards vaping prior to entering the program, and once again at the completion of the curriculum. Starting in 2023, PIHN has partnered with others to expand the program statewide in a coordinated effort titled “<i>WV’s Clear future: Don’t Let Vaping Cloud It.</i>”</p>

STRATEGIC OBJECTIVE	PROVIDE CATCH MY BREATH CURRICULUM TO AT LEAST ONE MIDDLE SCHOOL IN EVERY COUNTY IN WV. PROVIDE THE CURRICULUM TO ALL MIDDLE SCHOOLS IN WV WITHIN THREE YEARS.
GOALS TO ADDRESS THE HEALTH NEED	Recruit teachers and schools to participate. Get at least one teacher in each county trained to provide the CMB curriculum.
MEASURE TO EVALUATE THE IMPACT	Number of schools that participate. Number of students who receive the curriculum. Pre- and post-survey results.
TIMELINE	2023-2026
RESOURCES	Grant Funding: Pallottine Foundation of Huntington, Benedum Foundation, Sisters of St. Joseph Health and Wellness Foundation. Additional grant funding is currently being sought. Schools: Individual teachers, principals and schools will need to embrace the program and provide the curriculum to students.
PARTNERS/ COLLABORATORS	WV DHHR; Department of Tobacco Prevention WV Board of Education American Lung Association WV Alliance for Creative Health Solutions
2023 PROGRESS	In 2023, 2,318 students completed the pre-survey and received the curriculum. There were 1,885 post-surveys completed. Statewide, there were 24 schools who provided the curriculum to students within 15 counties. There was a total of 28 counties with a trained teacher who we expect to provide the curriculum in the future. Per their request, a detailed report was written for just the schools in Cabell County that had participated in the CATCH My Breath program the previous four years. They were pleased with the results. Post-survey student reflections for 2023: <ul style="list-style-type: none"> • 87.9% of students agreed or strongly agreed that they learned a lot about E-cigarettes from the CATCH My Breath program. • 80% of the students agreed or strongly agreed that if they were offered a vape, they would feel confident in using a refusal skill from the program. 87.3% of students agreed or strongly agreed that they are less likely to vape since they participated in the CATCH My Breath program.

#10	Charleston Area Medical Center – General Hospital, Memorial Hospital and Women and Children’s Hospital
COMMUNITY HEALTH NEED	Access to pulmonary rehabilitation, quality pulmonary function testing, prevention, and management of COPD, especially in rural areas.
IDENTIFIED HEALTH ISSUE	Chronic Obstructive Pulmonary Disease and other chronic lung diseases
COMMUNITY SERVED	The counties of Kanawha, Lincoln, Boone, Fayette, Roane, Jackson, Calhoun, Preston, Pocahontas, Logan.
PROGRAM DESCRIPTION AND RATIONALE	The Appalachian Pulmonary Health Project includes a network of pulmonary rehab sites in rural areas in WV called the Grace Anne Dorney Pulmonary Rehab Centers. These centers help those with breathing problems return to a healthier and more active life. The network started 10 years ago and continues to recruit new sites. The APHP director coordinates with the sites, CAMC Pulmonology and the CAMC COPD Quality Improvement Committee on care coordination.
STRATEGIC OBJECTIVE	INCREASE ACCESS TO PULMONARY FUNCTION TESTING AND PULMONARY REHAB. IMPROVED CARE COORDINATION FOR PATIENTS WITH COPD OR OTHER CHRONIC LUNG DISEASES.

GOALS TO ADDRESS THE HEALTH NEED	Host quarterly meetings with respiratory therapists to discuss challenges and best practices. Recruit additional pulmonary rehab sites.
MEASURE TO EVALUATE THE IMPACT	Number of intakes at each pulmonary rehab site. Graduation rate at each pulmonary rehab site. Healthcare data collected upon intake and upon graduation to determine the efficacy of pulmonary rehab.
TIMELINE	Ongoing
RESOURCES	Grant Funding: The Dorney Koppel Foundation, CAMC Foundation, Logan Healthcare Foundation. Medical Director: Dr. Dan Doyle is a retired primary care physician who services as the APHP medical director.
PARTNERS/ COLLABORATORS	Boone Memorial Hospital Cabin Creek Health Systems Jackson General Hospital Minnie Hamilton Health System Mon Health Preston Memorial Hospital Montgomery General Hospital New River Health Association Pocahontas Memorial Hospital Roane General Hospital Southern WV Health System CAMC Pulmonology CAMC Center for Academic Medicine
2023 PROGRESS	In 2023, the APHP hosted four RT meetings where RTs network with their peers, and the executive committee provides updates and information to the RTs. The APHP director continued to work with the CAMC RT navigator to determine the most appropriate pulmonary rehab site to refer to. In partnership with the CAMC Center for Academic Medicine, a manuscript was being developed for publication demonstrating the clinical success the network has had with pulmonary rehab. We focused on capturing more accurate data into CAPGate (pulmonary rehab database). A CAPGate user guide was developed for new sites and RTs that have questions. Multiple demonstrations and training sessions took place during 2023. Based on RT reporting, in 2023 we had 221 pulmonary rehab intakes. The APHP held a panel discussion at the WV Rural Health Association Annual Conference. The panel consisted of the director, two RTs, a consultant pulmonologist and was organized by the Center for Academic Medicine.

CAMC GENERAL HOSPITAL COMMUNITY BENEFIT PLAN IMPLEMENTATION STRATEGY

CAMC General Hospital (268 beds) focuses primarily on the neurological, orthopedic, trauma and rehabilitation service lines. Medicine and general surgery cross both Memorial and General Hospitals.

CAMC GENERAL HOSPITAL COMMUNITY BENEFIT PLAN IMPLEMENTATION STRATEGY

#11	CAMC General Hospital
COMMUNITY HEALTH NEED	Substance Use Disorder, Diabetes, Heart Disease, Obesity, Cancer, COPD, Homelessness, Crime
IDENTIFIED HEALTH ISSUE	Access to tertiary care services in the rural and mountainous counties in the region requires a coordinated process and preparation of EMS personnel for the best outcome.
COMMUNITY SERVED	WV Office of EMS Region 3/4 Includes nine counties: Kanawha, Putnam, Boone, Clay, Fayette, Nicholas, Webster, Greenbrier, Pocahontas
PROGRAM DESCRIPTION AND RATIONALE	Charleston MedBase provides medical command to all EMS agencies (air and ground) in this region. Includes all medical oversight for all EMS units providing patient care, medical direction, performance improvement oversight and medical guidance based on State of WV Office of EMS protocols. Provides hospitals in the region with reports of incoming patients and treatments in progress. Provides regional hospitals with trauma, cardiac, stroke, sepsis and respiratory team activations. Provides regional hospitals with EMS liaisons for Red and Yellow Alert status. Also, provides dispatch of closest medical helicopter for all appropriate EMS requests for helicopters in this region and tracks response times.
STRATEGIC OBJECTIVE	PROVIDE MEDICAL DIRECTION TO EMS AGENCIES
GOALS TO ADDRESS THE HEALTH NEED	<ol style="list-style-type: none"> 1. Ensure patients receive timely and appropriate care at the right location. 2. Decrease mortality for trauma and patients with other types of alert status. 3. Decrease ambulance off load times to <30 minutes. 4. SUD counselors on sight & assigned to patients with SUD at their request.
MEASURE TO EVALUATE THE IMPACT	<ul style="list-style-type: none"> • Number of calls taken • Types of calls • Communicators • Receiving facilities • Trauma alert activations • Other alerts: Stroke alert activations, sepsis alerts, cardiac alerts and respiratory alerts • Trends of calls by EMS agencies and types of calls • Ambulance off load times
TIMELINE	24 hours a day; 7 days a week
RESOURCES	Charleston MedBase – CAMC General Hospital. Full cost is absorbed by CAMC General Hospital's operational budget with no financial assistance from any outside source. Staffed with Communication Specialist/Paramedics.

PARTNERS/ COLLABORATORS	WV Office of EMS, Bureau of Public Health, DHHR WV Trauma Registry and Trauma Committee WV EMS Regional Office (EMSOR) WV EMS Technical Support Network CARES Team (Planning in progress with city government team & volunteers to form coalition to address homelessness and SUD patients experiencing crisis Violence Prevention Teams
2023 PROGRESS	Additional duties for Program Description and Rationale: Coordinate discharges from CAMC facilities as well as transfers between campuses by dispatching HealthTeam EMS. 2023 Statistics: Calls taken: 55,896 Health Team transport requests processed: 20,858 Calls requiring physician intervention: 1,474 Marked for Quality Improvement: 108 Staff: 14 communicators + 10 dispatchers Trauma Alerts: P1 = 316, P2/P3 = 842 Stroke Alerts: 570 Cardiac Alerts: 126 Ambulance off load times: Jan-Dec 2023 was 23.12 minutes

CAMC MEMORIAL HOSPITAL COMMUNITY BENEFIT PLAN IMPLEMENTATION STRATEGY

CAMC Memorial Hospital (424 beds) supports the cardiac, peripheral vascular and oncology services lines with admissions and outpatient visits. Medicine and general surgery cross both Memorial and General Hospitals.

CAMC MEMORIAL HOSPITAL COMMUNITY BENEFIT PLAN IMPLEMENTATION STRATEGY

#12	CAMC Memorial Hospital - CAMC Cancer Center
COMMUNITY HEALTH NEED	Cancer, Limited Access to Healthy Food
IDENTIFIED HEALTH ISSUE	Food insecurity in cancer patients is associated with worse quality of life and psychological well-being. (Reference: Simmons LA, Modesitt SC, Brody AC, et al.. Food insecurity among cancer patients in Kentucky: a pilot study. <i>J Oncol Pract.</i> 2006;2:274–279)
COMMUNITY SERVED	Primarily CAMC 12 county service area, but includes any patient seeking treatment at CAMC Cancer Center
PROGRAM DESCRIPTION AND RATIONALE	<u>Sow & Grow Program</u> – Originally implemented as a pilot program at the CAMC Cancer Center in Summer 2022 in collaboration with Gritts Farm, with funding support from the Mountains of Hope Coalition. Program focused on providing food access to those currently receiving cancer treatments to assist in promotion of adding fresh fruits and vegetables to their diet, increasing quality of life and psychosocial well-being. The program was continued in 2023 with funding support from the CAMC Foundation.
STRATEGIC OBJECTIVE	Increasing access to nutritious foods for cancer patients receiving treatment and cancer survivors.
GOALS TO ADDRESS THE HEALTH NEED	<ol style="list-style-type: none"> 1. Increase awareness, education, and access to healthier food options by providing access to free fresh fruits and vegetables on-site. 2. Provide additional nutritional support for patients receiving treatment and/or in cancer survivorship. 3. Assist those with financial difficulties with access to free foods that support positive nutritional values and health benefits.
MEASURE TO EVALUATE THE IMPACT	<ol style="list-style-type: none"> 1. Calculate number of patients served. 2. Define and identify counties of participation. 3. Define age levels of participants. <ul style="list-style-type: none"> • Collect feedback comments from participants and program staff.
TIMELINE	2023-2025
RESOURCES	CAMC Foundation Grant
PARTNERS/ COLLABORATORS	Gritts Farm CAMC Foundation
2023 PROGRESS	<ol style="list-style-type: none"> 1. 151 patients served 2. 18 counties participated: Boone, Braxton, Cabell, Calhoun, Clay, Greenbrier, Fayette, Lincoln, Logan, Jackson, Kanawha, Mason, Mingo, Nicholas, Putnam, Raleigh, Roane, and Webster 3. Participants range in ages from 28-96 years old <ul style="list-style-type: none"> • Cancer patient participants were very appreciative of the high-quality produce. Also, we repeatedly heard that patients used to grow their own vegetables but were not physically able to since their cancer diagnosis. They were beyond grateful to the Sow and Grow Program for providing fresh produce.

CAMC WOMEN AND CHILDREN’S HOSPITAL COMMUNITY BENEFIT PLAN IMPLEMENTATION STRATEGY

CAMC Women and Children’s Hospital (146 beds) focuses on mother, baby, pediatric and gynecology service lines.

CAMC WOMEN AND CHILDREN’S HOSPITAL COMMUNITY BENEFIT PLAN IMPLEMENTATION STRATEGY

#13	CAMC Women and Children’s Hospital
COMMUNITY HEALTH NEED	Substance Use Disorder
IDENTIFIED HEALTH ISSUE	Perinatal and Postpartum Substance Use
COMMUNITY SERVED	Primarily 12 County Service Area but includes any patient delivering at CAMC Women and Children’s Hospital
PROGRAM DESCRIPTION AND RATIONALE	<p>WCH C.A.R.E. (Comprehensive Addiction Recovery Efforts)</p> <p>In response to the substance use epidemic in our State, the WCH CARE team was created to identify and address the complex needs of pregnant and parenting women who are struggling with substance use disorder.</p> <p>The CARE team is a multidisciplinary taskforce that includes physicians, nurses, ED providers, Social workers, Administration, Women’s Health Addictions Program staff, NICU, Peer Recovery Support Specialist, Family Resource Center, MB, L&D, and GYN.</p> <p>The task force increases communication, encourages a multidisciplinary team approach, and works to enhance the quality of care and outcomes for patients with SUD.</p>
STRATEGIC OBJECTIVE	STANDARDIZE OUR APPROACH TO TREATING SUBSTANCE USE DISORDER FOR PREGNANT AND POSTPARTUM WOMEN AND THEIR CHILDREN.
GOALS TO ADDRESS THE HEALTH NEED	<ol style="list-style-type: none"> 1. Increase the use of MOUD to treat opioid withdrawal. 2. Reduce stigma. 3. Provide psychosocial support for pregnant and postpartum women in recovery.
MEASURE TO EVALUATE THE IMPACT	<ul style="list-style-type: none"> • Increase utilization of the MAT Power Plan at WCH. • Continue to expand the MOMs and Baby First programs to provide recovery support to mothers. • Decrease surgical discharge opioid scripts. • Increase access to Naloxone.
TIMELINE	2023-2025
RESOURCES	<p>State Opioid Response Grant – CAMC Addiction Services Department</p> <p>CAMC Operational Budget</p> <p>Prevention First Grant</p>
PARTNERS/ COLLABORATORS	<p>CAMC Addiction Services Department</p> <p>CAMC OB/GYN Center</p> <p>Neonatal Intensive Care Unit</p> <p>Family Resource Center</p> <p>WCH Social Services</p> <p>Kanawha County Drug Court</p> <p>Right from the Start</p> <p>Primary Care</p> <p>CAMC Women and Children’s Hospital Emergency Department</p>

2023 PROGRESS	<ul style="list-style-type: none"> • There has been a slight increase in use of MOUD (Buprenorphine) to treat opioid withdrawal at WCH. • The MOMs and Baby First programs are growing and expanding. By the end of 2023 they had 95 participants enrolled. • There has been a decrease in opioid prescriptions post C-section.
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#14	CAMC Women and Children’s Hospital
COMMUNITY HEALTH NEED	Wellness Promotion and Chronic Disease Prevention Education; Substance Abuse/Addiction
IDENTIFIED HEALTH ISSUE	Lack of Prenatal Care; Prenatal Care in Outlying Counties (RMOMS)
COMMUNITY SERVED	Primarily 8 County Service Area: Braxton, Calhoun, Gilmer, Lewis, Nicholas, Roane, Upshur and Webster
PROGRAM DESCRIPTION AND RATIONALE	WVRMOMS Governance Council is working together to meet the needs of pregnant women in the above 8 counties. The goal is to work toward improving continuity of maternity care for women from preconception through pregnancy, childbirth and postpartum in the rural areas of the state of West Virginia.
STRATEGIC OBJECTIVE	TO EXPAND OBSTETRICAL AND SPECIALTY CARE IN THE DESIGNATED 8 COUNTY AREA.
GOALS TO ADDRESS THE HEALTH NEED	Improve maternal and neonatal outcomes in this rural region of WV.
MEASURE TO EVALUATE THE IMPACT	<ol style="list-style-type: none"> 1. Number of patients seen in the program. 2. Patient satisfaction on timeliness of getting an appointment, convenience, ease of the process, and overall satisfaction.
TIMELINE	2020-2025
RESOURCES	WV Perinatal Partnership Grant
PARTNERS/ COLLABORATORS	CAMC OB/GYN Center Neonatal Intensive Care Unit Family Resource Center WCH Social Services Right from the Start Primary Care CAMC Women and Children’s Hospital Emergency Department
2023 PROGRESS	We have had multiple meetings to determine our approach. The TCO and Charter was approved on 8-27-24. The goal is to have an ultrasound machine and ultra sonographer in the Summersville Primary Care Office by the end of 2024.

#15	CAMC Women and Children’s Hospital
COMMUNITY HEALTH NEED	Diabetes, Obesity
IDENTIFIED HEALTH ISSUE	Diabetes in pediatric patients
COMMUNITY SERVED	Pediatric patients and their families in CAMC’s service area

PROGRAM DESCRIPTION AND RATIONALE	<p>West Virginia leads the nation in obesity and diabetes. Whereas most other states have improved or at least stabilized both obesity and diabetes rates, WV continues to have escalating rates each year. High school students have reached an overweight and obesity rate of 30.3% from WV CARDIAC data. Younger children ages 2-4 years participating in WIC recently showed a statistically significant increase in obesity from 14% up to 16.4%.</p> <p>HealthyKids Wellness and Weight Management Clinic (HealthyKids) provides Stage 3 comprehensive, family-based, multidisciplinary weight management across the lifespan. HealthyKids also offers Stage 4 care which adds medication management and metabolic surgery.</p> <p>Group session will re-start, cooking classes will be offered and hunger vital sign screening for food/nutrition security will be performed.</p>										
STRATEGIC OBJECTIVE	REDUCE CHILDHOOD OBESITY BY INCREASING ACCESS TO MULTI-DISCIPLINARY TREATMENT GROUP SERVICES										
GOALS TO ADDRESS THE HEALTH NEED	<ol style="list-style-type: none"> 1. Increase access to HealthyKids Stage 3 and Stage 4 multi-disciplinary obesity management clinic. 2. Offer group nutrition and physical activity. 3. Offer group cooking classes for healthy well-balanced meals with adequate protein and fiber and complex carbohydrates. 4. Screen for nutrition/food insecurity. 										
MEASURE TO EVALUATE THE IMPACT	<ol style="list-style-type: none"> 1. Track 3rd appointment out for existing and new patients to measure access. 2. Track number of patients that participate in group. 3. Track number of patients that participate in cooking classes. 4. Track rate of food insecurity. 										
TIMELINE	Ongoing										
RESOURCES	<p>Diabetes Prevention Grant from BPH Grant funding from Claude Worthington Benedum Foundation</p>										
PARTNERS/ COLLABORATORS	<p>KEYS 4 HealthyKids WVU Extension SNAP-Ed Sub-Contacted Dietitian to host cooking classes CAMC Institute</p>										
2023 PROGRESS	<ol style="list-style-type: none"> 1. The average 3rd appointment out for 2023 was as follows: New Patients: 30 days, Follow up-Dr. Jeffrey: 12 days, Follow up PAC: 7 days 2. KEYS hosted a summer camp at North Charleston Community Center for 4 weeks. After the success of camp, KEYS began a once weekly club, "Club 5210," to continue nutrition, physical activity, and cooking demonstrations to patients. "Club 5210" was held at Kanawha City Community Center and lasted for 8 weeks. <table border="1" data-bbox="548 1493 1469 1661"> <thead> <tr> <th colspan="2">Summary of Group Sessions in 2023</th> </tr> <tr> <th>Group Session</th> <th>Number of Participants</th> </tr> </thead> <tbody> <tr> <td>Summer Camp - 2023</td> <td>11</td> </tr> <tr> <td>Club 5210 – Fall 2023</td> <td>8</td> </tr> <tr> <td>Total</td> <td>19</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 3. KEYS offers in-person monthly cooking classes led by a subcontracted dietitian. Participation is offered to all 5210 Rx Program practices. The dietitian held in person cooking demonstrations at the WV Health Right Teaching Kitchen on the West Side of Charleston. Fortunately, WV Health Right continued to allow us to use their kitchen free of charge. During the cooking classes, the dietitian presented a cooking demonstration followed by leading a recipe that the families make with her. During the class, the dietitian focused on nutrition education about the recipes, 	Summary of Group Sessions in 2023		Group Session	Number of Participants	Summer Camp - 2023	11	Club 5210 – Fall 2023	8	Total	19
Summary of Group Sessions in 2023											
Group Session	Number of Participants										
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Club 5210 – Fall 2023	8										
Total	19										

nutrient density, and carb balance to prevent future diabetes. A majority of participants are enrolled in the Fresh Connect produce prescription program, so the dietitian also provides fresh cut up fruits and vegetables to introduce familiar and new produce during every class. Participants received \$20 Kroger gift cards for their participation and to assist in buying food to make future recipes. Physician assistant students from the University of Charleston and dietetic students from Marshall University also assisted with the cooking classes. In addition to in-person cooking classes, food demonstrations also occur during a once weekly club, "Club 5210." "Club 5210" is being held at Kanawha City Community Center. Physical activity and nutrition activities are also offered.

Summary of Cooking Demonstrations in 2023				
	January-March	April-June	July-September	October-December
Total Number of In Person Cooking Demonstrations	5	4	11	10
Total Number of Participants who Participated in Cooking Demonstrations	60	44	42	46

4. At each 5210 Rx Program appointment, patients were screened for nutrition security (if not previously screened) utilizing Hunger Vital Sign from the FRAC-AAP toolkit. Screening results were collected from three practices during 2023 (HealthyKids, Children's Medicine Center, South Charleston Pediatrics).

Source of Food Insecurity Screens	April-June		July-September		October-December	
	Total Screens	Positive Screens	Total Screens	Positive Screens	Total Screens	Positive Screens
HealthyKids	39	7 (19.9%)	26	12 (46.1%)	8	5 (62.5%)
Children's Medicine Center	30	4 (13.3%)	39	5 (12.8%)	24	4 (16.7%)
South Charleston Pediatrics	44	7 (15.9%)	37	13 (35.1%)	25	7 (28.0%)
Total	113	18 (15.9%)	102	30 (29.4%)	57	16 (28.0%)

#16	CAMC Women and Children's Hospital
COMMUNITY HEALTH NEED	Diabetes, Obesity
IDENTIFIED HEALTH ISSUE	Diabetes, Obesity in pediatric patients
COMMUNITY SERVED	Pediatric patients and their families in CAMC's service area
PROGRAM DESCRIPTION AND RATIONALE	<p>West Virginia leads the nation in obesity and diabetes. Whereas most other states have improved or at least stabilized both obesity and diabetes rates, WV continues to have escalating rates each year. High school students have reached an overweight and obesity rate of 30.3% from WV CARDIAC data. Younger children ages 2-4 years participating in WIC recently showed a statistically significant increase in obesity from 14% up to 16.4%.</p> <p>5210 Rx program is a family-based Stage 3 Structured Weight Management Program for children and parents/guardians. This program is aimed at creating lifelong lifestyle transformations through healthy eating and regular physical activity. "Prescriptions" are dispensed for eating fresh fruit and vegetables, physical activity and drinking more water and limiting sugary drinks to "zero." During the nutrition group, health educators teach children and adults about healthy eating, portion control, food label reading, and meal preparation techniques. A different recipe is highlighted and prepared each week. In the exercise session, families are introduced to various</p>

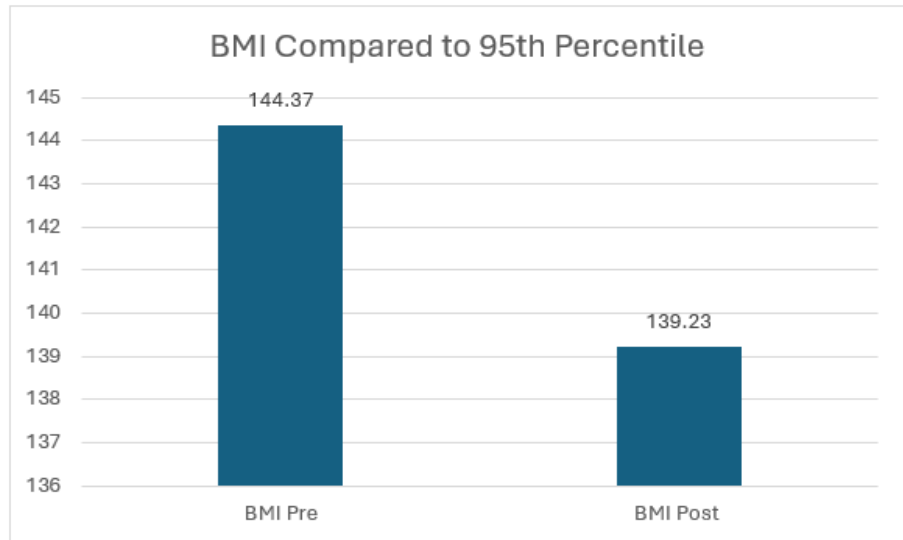
	<p>physical activity options, such as body weight exercises led by an exercise physiologist. Research shows that a child is more successful in making healthy lifestyle changes when the whole family is involved and committed to adopting healthier habits.</p> <p>Group cooking classes featuring healthy recipes teaching both the child and the parent about meal planning and basic culinary skills will also be offered.</p> <p>Per the new clinical practice guidelines, patients need 26 contact hours of behavioral changes to make a success lifestyle change that will last and be effective enough to treat chronic obesity and its associated co-morbidities. A community health worker will be added to reach the patient contact hours. This will add home visits with patients and families on food insecurity and compliance of the education, and home environment.</p>
STRATEGIC OBJECTIVE	REDUCE/PREVENT CHILDHOOD OBESITY, TREAT CO-MORBIDITIES AND PREVENT DIABETES
GOALS TO ADDRESS THE HEALTH NEED	<ol style="list-style-type: none"> 1. Increase access to Stage 3 & 4 Structured Weight Management Programs by offering virtual & HUB options. 2. Decrease childhood obesity rates in the pediatric patient population. 3. Educate community providers on 5210, 5210 RX, and Fresh Connect (produce Rx program for food as medicine program), monthly Project ECHO for Pediatric Obesity with CME credits. 4. C3 (Connecting Clinics 2 Communities) collaborative to invite community partners to build community infrastructure for healthy eating and physical activity. 5. Day Camp for obesity children with 5210 education, tasting vegetables & fruit in 3 different ways events, cooking class, and physical activities within the local community centers. 6. Track number of home visits completed by the community health worker.
MEASURE TO EVALUATE THE IMPACT	<ol style="list-style-type: none"> 1. Track # of families participating in the program. 2. Track patient changes in BMI pre- and post-intervention and over time. 3. Track number of providers trained, and CME credits offered for Project ECHO. 4. Track number of patient receiving Fresh Connect produce Rx and total amount of funding utilized to purchase fruits and vegetables. 5. Report of outcomes form the C3 Collaborative. 6. Track number of sessions/groups and patients attending Day Camps.
TIMELINE	Ongoing
RESOURCES	<p>Grant Funding from:</p> <p>The Diabetes Prevention Grant from BPH</p> <p>The Claude Worthington Benedum Foundation</p> <p>Marshall University</p> <p>Aetna</p>
PARTNERS/ COLLABORATORS	<p>KEYS 4 HealthyKids</p> <p>CAMC Weight Loss Clinic</p> <p>HealthyKids Wellness and Weight Management Clinic</p> <p>Benedum Foundation</p> <p>WVU Extension SNAP-Ed</p> <p>CAMC Institute</p>
2023 PROGRESS	<ol style="list-style-type: none"> 1. The 5210 Rx Program is a yearlong program based on the healthy habits of 5-2-1-0—to eat 5 or more servings of fruits and vegetables each day, watch 2 hours or less of recreational screen time per day, participate in at least 1 hour of physical activity per day, and drink zero sugary drinks/drink more water. Patients who participated in the 5210 Rx Program saw their provider at least every 8 weeks. During each visit, patients completed a 5210 Healthy Habits questionnaire, which

assessed their healthy behaviors, and patients received nutritional counseling based on the 5210 toolkit. At the end of the visit, patients made a 5210 goal and received a goal tracker to record their accomplishments.

Number of Patient Visits in 2023					
	Jan – Mar	April – June	Jul – Sept	Oct - Dec	Total
Number of Patient Visits	55	64	67	61	247

2. Pre-BMI data was collected from January-April 2023 and post-BMI data was collected and compared at least 6 months after initial BMI. Percentiles and z-scores were calculated using a SAS program for the 2000 CDC Grown Chart provided by the CDC made available for the purpose of evaluating BMI metrics in children. Information about coding and scoring is available here: <https://www.cdc.gov/nccdphp/dnpao/growthcharts/resources/sas.htm#:~:text=The%20purpose%20of%20this%20SAS%20program%20is%20to,charts.%20Weight-for-height%20percentiles%20and%20z-scores%20are%20also%20calculated>

Summary of Pre- and Post-BMI Fresh Connect HealthyKids Patients



For this sample population (Fresh Connect participants at the Healthy Kids location), 22 of 25 (88%) of participants included in analysis had an improvement in BMI based on percentile and z-score changes. The average age of participants of our program during this report period was 12.9 years of age with the minimum age of 7.1 and a maximum age of 18.5. Of the participants, 44% were male and 56% were female. Pre and post BMI measurements were included for 25 participants from HealthyKids practice. Of the 25 participants who had at least two measurements, there was 5.14 percentage decrease in BMI percent compared to 95th percentile (144.37 to 139.23). A paired t-test showed this a statistically significant difference (p=0.0176.)

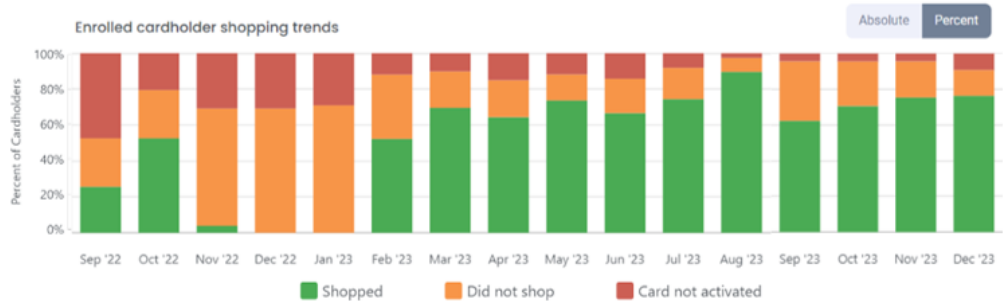
3. As part of the Clinical-Community Collaborative, KEYS offered “Project ECHO for Pediatric Obesity.” ECHO stands for “Extension for Community Healthcare Outcomes.” This initiative offers monthly Zoom webinars for healthcare professionals regarding pediatric obesity/public health topics. Healthcare professionals receive continuing medical education (CME) credit for participating in the live webinars. The webinars are recorded for those unable to attend live and uploaded on the Talent Learning Management System through WV Health Connection. This option allows participants to view previous recordings at their leisure and receive CME credit.

Summary of Project ECHO Sessions 2023					
	Jan – Mar	April – June	Jul – Sept	Oct - Dec	Total
Number of Sessions	3	1	1	1	6
Total Number of Attendees	142	46	22	17	227

4. KEYS continued to offer the Fresh Connect produce prescription program to patients during 2023. The Fresh Connect funding is leveraged funding from community foundations and insurance providers. KEYS used the Fresh Connect Program to address the “5” in the 5210 Rx Program, increasing fruit and vegetable intake. Providers prescribed fruits and vegetables by enrolling patients in the Fresh Connect Program. Through this program, patients receive Fresh Connect preloaded debit cards that can be used to purchase fresh produce. Fifty dollars is loaded on the cards each month for a total of 6 months. Previously, patients had only been able to use their cards at the Capitol Market in Charleston, WV; however, in 2023, patients can now use their cards at any Kroger or Walmart in their area. The overall usage and amount of money that patients spent on fresh produce is higher than what patients spent when they were using their cards at the Capitol Market.

Summary of Fresh Connect Enrollments and Net Spend in HealthyKids				
	Jan – Mar	April – June	Jul – Sept	Oct - Dec
Total Number of Patients Enrolled in Fresh Connect	30	41	46	56
Total Net Spend on Produce	\$1,919	\$3,788.73	\$3,878.25	\$4,652.95

Fresh Connect Usage from Initial Pilot to Present



The snapshot above is from the Fresh Connect dashboard (accessed on date January 3, 2024). It is important to note increased usage from the initial Fall 2022 Capital Market pilot. Overall card usage has increased from 27.3% average to a peak of 88.5% in August 2023. During 2023, several patients completed their 6-month enrollment period in August 2023, causing a decrease in usage during September 2023. As new patients are enrolled, we are seeing usage start to increase again.

Fresh Connect was offered to four 5210 Rx Programs in 2023 – HealthyKids, Children’s Medicine Center, South Charleston Pediatrics, and Montgomery Pediatrics. Total Fresh Connect expenditures across the practices since January 2023 is \$23,449.86 with 1,536 shopping transactions and average transactions of \$16.54.

5. KEYS established a Clinical-Community Collaborative (C3) consisting of various members from the public health, community, and health care sectors, including medical providers and insurance companies. Our vision and mission is to create a community where clinical and community systems work together to improve the health of the community. Our overall goal is to improve the health of the communities of Kanawha and Fayette counties by creating clinical-community linkages, which provide better access and resources to individuals and families. The collaborative is a hybrid meeting, once per month. Meetings were held at the

Charleston Area Medical Center Cancer Center in Charleston, WV. For those who were not able to meet in person, we offered a virtual option via zoom. Since offering the two options, our attendance for the monthly meetings has increased.

Summary of C3 Collaborative Meetings in 2023					
	Jan – Mar	April – June	Jul – Sept	Oct - Dec	Total
Number of Collaborative Meetings	2	3	1	2	8
Total Number of Attendees	39	41	15	28	123

6. KEYS hosted a summer camp at North Charleston Community Center for 4 weeks. After the success of camp, KEYS began a once weekly club, “Club 5210,” to continue nutrition, physical activity, and cooking demonstrations to patients. “Club 5210” was held at Kanawha City Community Center and lasted for 8 weeks.

Summary of Group Sessions in 2023	
Group Session	Number of Participants
Summer Camp - 2023	11
Club 5210 – Fall 2023	8
Total	19

APPENDIX

LISTING OF ADDITIONAL 2023 COMMUNITY BENEFIT PROGRAMS FOR CHARLESTON AREA MEDICAL CENTER

Charleston Area Medical Center
Program Detail Full
For period 01/01/2023 through 12/31/2023

Category/ Program Title

Community Health Improvement Services (A)
Community Health Education (A1)

Program Title: Bicycle Safety

Description: A safety presentation that provides facts on bicycle related injuries, helmet effectiveness, safety tips, hand signals and the rules of the road to area elementary school students. They provide the children helmets after the presentation.

Category: A1
Department: 41232 - Trauma Services
Objectives: Prevent bicycle injuries and promote the use of helmets.
Persons: 176
Expenses: \$3,619
Revenues: \$0
Benefit: \$3,619



Program Title: CAMC EMS Education Days

Description: Education days for Emergency Medical Services Personal throughout the CAMC service area in Central and Southern West Virginia. Local EMS personnel were instructed on High Performance Ventilation, Protocol Guidelines for Cardiac Patients, Pre-Hospital Procedures that Matter, ALS and BLS Competition, and VR Patient Assessments, and Stroke SIM training.

Category: A1
Department: 41826 - Medical Command
Objectives: To educate area EMS personnel on critical life saving practices.
Persons: 50
Expenses: \$6,930
Revenues: \$0
Benefit: \$6,930



Program Title: Childbirth Education Program

Description: Program designed for newly expectant parents in at risk income categories.

Category: A1
Department: 43608 - Family Resource Center
Objectives: Improved birth outcomes.
Persons: 625
Expenses: \$59,100
Revenues: \$0
Benefit: \$59,100



Program Title: Community Stroke Education

Description: Provided Stroke Education at the Madison Civic Center in Madison Boone County.
Category: A1
Department: 41140 - Stroke Center
Objectives: Educate the Community to identify the signs of a stroke and to immediately seek treatment.
Persons: 250
Expenses: \$1,160
Revenues: \$0
Benefit: \$1,160

Program Title: Donated Supplies for Girl Scout First Aid Kits

Description: Supplied local Girl Scout Troop with supplies for their first aid kits and provided basic first aid training.
Category: A1
Department: 31733 - Supply Chain Management
Persons: 24
Expenses: \$230
Revenues: \$0
Benefit: \$230

Program Title: Imagine U: A Virtual Healthcare Experience

Description: CAMC broadcast of a craniotomy surgery narrated by a local physician via web cast to introduce students to careers in healthcare using technology that links health science classrooms to the real world of health care and hospitals. Students from Boone, Clay, Roane, Jackson, Kanawha and Putnam Counties participated.
Category: A1
Department: 21926 - Human Resources Workforce Dev
Objectives: Expose the students at eleven high schools in Kanawha and Boone Counties, four vocational and technical centers to health care careers.
Persons: 3,279
Expenses: \$3,633
Revenues: \$0
Benefit: \$3,633



Program Title: Mini Medical School for the Public

Description: Programs for the community on a variety of health topics focusing on prevention, diagnosis and treatment options. Offered on the hospital campus and to rural sites via telehealth and live on the internet.
Category: A1
Department: 25810 - CHERI
Objectives: Educating the public on a variety of diseases and disorders and focusing on the prevention, diagnosis, and treatment options for each.
Persons: 120
Expenses: \$10,605
Revenues: \$0
Benefit: \$10,605



Program Title: Project Echo

Description: Project ECHO links expert specialist teams at an academic hub with primary care clinicians in local communities. Primary care clinicians, the spokes in our model, become part of a learning community, where they receive mentoring and feedback from specialists. Together, they manage patient cases so that patients get the care they need.

Category: A1
Department: 49642 - CAMC Cancer Center
Persons: 80
Expenses: \$4,000
Revenues: \$0
Benefit: \$4,000

Program Title: Relay for Life

Description: Staffed the Annual Relay for Life in Charleston which promotes cancer awareness and invites cancer survivors and family to participate in the walk. The event raises money for the American Cancer Society.

Category: A1
Department: 47441 - Chemotherapy
Persons: 50
Expenses: \$240
Revenues: \$0
Benefit: \$240

Program Title: Run For Your Life

Description: Staffed the Run For Your Life race and walk held in Charleston as part of Festival. The event promotes colorectal cancer screening and education.

Category: A1
Department: 49642 - CAMC Cancer Center
Persons: 650
Expenses: \$1,486
Revenues: \$0
Benefit: \$1,486



Program Title: Senior Lifestyles & Injury Prevention (SLIP)

Description: The SLIP injury prevention program is designed to address the needs of older adults. Elderly persons are disproportionately at risk for poor outcomes following injury, and are rapidly growing in the overall population. Balance Your Life (fall prevention), My Home Safe Home (home safety), On the Right Road (motor vehicle safety) and Stepping Out Safely (pedestrian safety) were components of the program.

Category: A1
Department: 41232 - Trauma Services
Persons: 100
Expenses: \$670
Revenues: \$0
Benefit: \$670

Program Title: Stop The Bleed

Description: Stop the Bleed is an educational program designed to teach the general public how to treat severe bleeding in the event of an accident or disaster to save a life until first responders can arrive. The program demonstrates the application of pressure to the wound with hands, applying a dressing and press, and how to apply a tourniquet.

Category: A1
Department: 41232 - Trauma Services
Persons: 263
Expenses: \$1,085
Revenues: \$0
Benefit: \$1,085



Program Title: Support for Dental Clinics

Description: Donated supplies in support of free dental clinics.

Category: A1
Department: 31733 - Supply Chain Management
Persons: Unknown
Expenses: \$1,190
Revenues: \$0
Benefit: \$1,190

	Expenses	Offsets	Benefit	Persons
Community Health Education (A1) Totals:	\$93,948	\$0	\$93,948	5,667

Community Based Clinical Services (A2)

Program Title: CAMC Ryan White Program

Description: Primary outpatient care, education, and information for individuals in southern WV (service area is 16 counties in Public Health Districts 1, 3, and 4) who are at-risk or infected with HIV, regardless of ability to pay.

Category: A2
Department: 46579 - Pharmacy Administration
Objectives: Primary care to at-risk and HIV infected persons in the service area.
Persons: 3,622
Expenses: \$172,415
Revenues: \$0
Benefit: \$172,415



Program Title: Child Advocacy Center

Description: Program designed to provide a safe, child friendly place for children with alleged sexual or physical abuse or neglect. Provides a complete medical and psychosocial evaluation and may include a forensic interview. Provide training and education for prosecutors, Child Protective Services, law enforcement, physicians and health care providers. Also, testify and serve as expert witnesses and consultants. We also provide the Darkness to Light Stewards of Children program to educate providers, family members, and educators on sexual abuse, physical abuse or neglect.

Category: A2
Department: 43602 - Children's Medicine Center
Persons: 948
Expenses: \$363,248
Revenues: \$131,509
Benefit: \$231,739



Program Title: Drug Addicted Mother Baby Program

Description: Program for pregnant women who have been identified as drug users during the early stages of their pregnancy.

Category: A2
Department: 43608 - Family Resource Center
Persons: 110
Expenses: \$37,274
Revenues: \$0
Benefit: \$37,274



Program Title: Outpatient Mental Health Services

Description: Outpatient mental health services for the uninsured or underinsured.

Category: A2
Department: 43608 - Family Resource Center
Objectives: Filling the gap in mental health services for the uninsured or underinsured. This program serves individuals who have health insurance that does not cover behavioral health services or individuals without health insurance.
Persons: 72
Expenses: \$35,335
Revenues: \$0
Benefit: \$35,335

Program Title: Sports Medicine Consults for High School Athletes

Description: A free clinic that provides consults on sports medicine injuries for area high school athletes. The clinic is open on Saturdays at the CAMC Physical Therapy Center.

Category: A2
Department: 47654 - Sports Medicine
Persons: 25
Expenses: \$760
Revenues: \$0
Benefit: \$760



Program Title: West Virginia Health Right Support

Description: A free clinic located in CAMC's service area that provides primary health care and adult dental care to the uninsured and underinsured population. CAMC provides pharmacy support, maintenance and housekeeping services to the free clinic.

Category: A2
 Department: 41804 - Housekeeping
 Persons: Unknown
 Expenses: \$236,926
 Revenues: \$0
 Benefit: \$236,926



	Expenses	Offsets	Benefit	Persons
Community Based Clinical Services (A2) Totals:	\$845,958	\$131,509	\$714,449	4,777

Health Care Support Services (A3)

Program Title: CAMC Feed the Love

Description: The Feed the Love campaign collected food from CAMC employees and visitors to help stock local food banks in Kanawha and Putnam Counties. The program was able to provide 10 large containers of food for the local food banks in 2023.

Category: A3
 Department: 31733-Supply Chain Management
 Objectives: Provide food for low income residents in our community.
 Persons: Unknown
 Expenses: \$870
 Revenues: \$0
 Benefit: \$870



Program Title: Patient Nourishment Program

Description: Nutrition Services provides nutrition products to patients upon discharge until they can obtain the product themselves through an outside source.

Category: A3
 Department: 41802 - Nutrition Services
 Objectives: To provide appropriate and sufficient nutrition to discharged patients until an outside source is obtained.
 Persons: 2
 Expenses: \$143
 Revenues: \$0
 Benefit: \$143

	Expenses	Offsets	Benefit	Persons
Health Care Support Services (A3) Totals:	\$1,013	\$0	\$1,013	2

Community Health Improvement Services (A) Totals:	\$940,919	\$131,509	\$809,410	10,446
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Health Professions Education (B)
Physicians/Medical Students (B1)

Program Title: CAMC Graduate Medical Education

Description: CAMC provides 17 residency and fellowship programs (allopathic and osteopathic including 3 dual tracks). CAMC has medical school affiliations with West Virginia University School of Medicine and the West Virginia School of Osteopathic Medicine.

Category: B1
Department: 31720 - Accounting
Persons: Unknown
Expenses: \$27,952,697
Revenues: \$9,246,318
Benefit: \$18,706,379



**Institute for
Academic Medicine**

 **Vandalia Health**

Program Title: Ethics in the Round

Description: Quarterly presentations designed to provide education to medical professionals on current ethics topics.

Category: B1
Department: 25768 - Continuing Education
Objectives: Provide a forum for medical professionals to discuss ethics issues.
Persons: 78
Expenses: \$1,216
Revenues: \$0
Benefit: \$1,216

Program Title: Geriatric Lunch Time Learning

Description: One hour educational lectures on various topics in geriatric medicine.

Category: B1
Department: 25768 - Continuing Education
Objectives: To provide professional education to the medical community on geriatric topics and issues.
Persons: 12,000
Expenses: \$4,000
Revenues: \$0
Benefit: \$4,000

Program Title: Physician Guest Lecture Program

Description: Professional education lectures for physicians and healthcare professionals covering topics such as Traditional Approaches to Pain Management, Resolving Shoulder Impairments, and the Dilemma of Surgery in Extreme Old Age.

Category: B1
Department: 25768 - Continuing Education
Objectives: Provide physician education to medical staff and medical students on CAMC's campus.
Persons: 138
Expenses: \$608
Revenues: \$0
Benefit: \$608

	Expenses	Offsets	Benefit	Persons
Physicians/Medical Students (B1) Totals:	\$27,958,521	\$9,246,318	\$18,712,203	12,216

Nurses/Nursing Students (B2)

Program Title:	West Virginia State Trauma Audit Review (WV STAR)			
Description:	Annual gathering of trauma professionals from the state's Trauma Centers to conduct peer review discussion of trauma cases from the previous year at each facility.			
Category:	B2			
Department:	41232 - Trauma Services			
Persons:	62			
Expenses:	\$4,420			
Revenues:	\$0			
Benefit:	\$4,420			
Program Title:	WV State Trauma Symposium			
Description:	Conference is designed for trauma surgeons, general surgeons, emergency room physicians, nurses, mid-level providers and prehospital health care, coding specialists and health information professionals. This conference is a collaborative effort between experts in various trauma disciplines from around West Virginia. An eight hour trauma nursing workshop was held on the opening day of the conference featuring topics on surgical trauma, pediatric trauma and complications. The speakers will present progressive and challenging issues in the field of trauma care. A poster session will also be held highlighting trauma research throughout the state.			
Category:	B2			
Department:	41232 - Trauma Services			
Objectives:	Facilitate the event and make sure each day of the conference runs smoothly. CAMC provided personnel for registration and support at the event.			
Persons:	182			
Expenses:	\$14,950			
Revenues:	\$0			
Benefit:	\$14,950			
Nurses/Nursing Students (B2) Totals:	\$19,370	\$0	\$19,370	244

Other Health Professions Education (B3)

Program Title:	Rural Trauma Team Development Course			
Description:	The course is designed by the American College of Surgeons Committee on Trauma to help rural hospitals with the development of their trauma teams. CAMC is the tertiary hub hospital for central and southern West Virginia and operates the only Level 1 Trauma Center in the region. The program standardizes care of trauma patients in the rural setting to improve outcomes.			
Category:	B3			
Department:	41232 - Trauma Services			

Objectives: The purpose of the course is to increase efficiency of resource utilization and improve the level of care provided to the patient.
 To educate the audience regarding the state's regional, and local trauma system. Outline components of the various stages of trauma assessment. Outline the components of the primary survey, decision to transfer, secondary survey, and demonstrate the concepts of the primary survey.

Persons: 62
 Expenses: \$5,737
 Revenues: \$0
 Benefit: \$5,737

	Expenses	Offsets	Benefit	Persons
Other Health Professions Education (B3) Totals:	\$5,737	\$0	\$5,737	62

Scholarships/Funding Health Professions Education (B4)

Program Title: Student Allied Health Educational Assistance

Description: Financial support for the allied health programs at the local colleges and universities in the area.
 Category: B4
 Department: 21926 - Human Resources Workforce Dev
 Objectives: To maintain an adequate number of health professionals in the community to fill existing and future health care profession needs.
 Persons: Unknown
 Expenses: \$206,312
 Revenues: \$0
 Benefit: \$206,312

Program Title: Student RN Tuition Assistance

Description: Financial support for the nursing programs at the local colleges and universities. In 2023, CAMC provided Student Tuition Assistance at Bluefield State College, Bridge Valley Community and Technical College, Collins Career Center, Fairmont State College, Marshall University, New River CTC, Ohio University, Saint Mary's, University of Charleston, Southern WV CTC, University of Rio Grande, Valley College, WVJC, WVIC, WVU, WV State University, and WVU Parkersburg.
 Category: B4
 Department: 21926 - Human Resources Workforce Dev
 Objectives: To maintain an adequate number of health professionals in the community to fill existing and future health care profession needs.
 Persons: Unknown
 Expenses: \$2,629,338
 Revenues: \$0
 Benefit: \$2,629,338

	Expenses	Offsets	Benefit	Persons
Scholarships/Funding Health Professions Education (B4) Totals:	\$2,835,650	\$0	\$2,835,650	Unknown

Health Professions Education (B) Totals:	\$30,819,278	\$9,246,318	\$21,572,960	12,522
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Cash and In-Kind Contributions (E)

Cash Donations (E1)

Program Title: Civic Affairs Council

Description: The Civic Affairs Council is comprised of employees who review the applications for charitable donations and make awards based on specific community benefit criteria. Funding provided to area high schools for Project Graduation, Daymark, Inc., Salvation Army, REA of Hope, Children's Therapy Clinic, Union Mission, The Gabriel Project of WV, Charity in Action, American Cancer Society, Covenant House, Childhood Language Center, Pretera Foundation, United Way of Central WV, WVSU Foundation (Grandfamilies Education), Heart and Hand Outreach Ministries, Recovery Point of Huntington, Inc., the Childhood Language Center and the Children's Home Society of WV.

Category: E1

Department: 10000 - Civic Affairs

Objectives: Provide financial support to programs and services in our service area to support health, educational, social services, civic and economic development requests.

Persons: Unknown

Expenses: \$43,200

Revenues: \$0

Benefit: \$43,200

	Expenses	Offsets	Benefit	Persons
Cash Donations (E1) Totals:	\$43,200	\$0	\$43,200	Unknown

In-kind Donations (E3)

Program Title: Ronald McDonald House Housekeeping Support

Description: Donate Housekeeping Services for Ronald McDonald House at no cost.

Category: E3

Department: 41804 - Housekeeping

Persons: Unknown

Expenses: \$13,257

Revenues: \$0

Benefit: \$13,257



	Expenses	Offsets	Benefit	Persons
In-kind Donations (E3) Totals:	\$13,257	\$0	\$13,257	Unknown

Cash and In-Kind Contributions (E) Totals:	\$56,457	\$0	\$56,457	Unknown
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Community Building Activities (F)

Community Support (F3)

Program Title: Partners In Health Network

Description: The network serves to improve the delivery of health care in the region by providing a network administrative center, physician liaison, patient surveys, outreach activities, networking, credentialing, purchasing program, critical access hospital support, educational activities, workshops, and presentations designed for small rural hospitals and health clinics in the region.

Category: F3

Department: 46876 - Partners In Health

Objectives: Assist small rural hospitals and health clinics to remain viable.

Persons: Unknown

Expenses: \$358,922

Revenues: \$0

Benefit: \$358,922

	Expenses	Offsets	Benefit	Persons
Community Support (F3) Totals:	\$358,922	\$0	\$358,922	Unknown

Environmental Improvements (F4)

Program Title: United Way Day of Caring

Description: CAMC employees volunteered to participate in the United Way's Day of Caring performing community service projects for the community.

Category: F4

Department: 46872 - Planning

Persons: Unknown

Expenses: \$16,125

Revenues: \$0

Benefit: \$16,125



	Expenses	Offsets	Benefit	Persons
Environmental Improvements (F4) Totals:	\$16,125	\$0	\$16,125	Unknown

Workforce Development (F8)

Program Title: Clay County High School Career Fair

Description: Presented an overview of hospital pharmacy and introduced available jobs to high school students with a focus on the pharmacy technician career path.

Category: F8

Department: -46872 - Planning

Objectives: Understand the function of a hospital pharmacy and the roles and responsibilities of pharmacists and technicians.

Persons: 75

Expenses: \$714

Revenues: \$0

Benefit: \$714



	Expenses	Offsets	Benefit	Persons
Workforce Development (F8) Totals:	\$714	\$0	\$714	75

Community Building Activities (F) Totals:	\$375,761	\$0	\$375,761	75
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Community Benefit Operations (G)

Assigned Staff (G1)

Program Title: Community Benefit Operations

Description: Planning Department staff dedicated to Community Benefit Reporting.

Category: G1

Department: -46872 - Planning

Objectives: To compile and report the organization's community benefit by surveying the individual departments, administrators, and other staff at our hospitals.

Persons: Unknown

Expenses: \$36,840

Revenues: \$0

Benefit: \$36,840

Program Title: Kanawha Coalition for Community Health Improvement

Description: A community partnership of volunteers from all the local hospitals, Kanawha-Charleston Health Department, United Way, Kanawha County Schools, Wellness Council of WV, and local businesses with a mission to identify and evaluate health risks and coordinate resources to measurably improve the health of the people of Kanawha County.

Category: G1

Department: 46832 - Community Health

Persons: Unknown

Expenses: \$210,541

Revenues: \$0

Benefit: \$210,541



Kanawha Coalition
for Community
Health Improvement

	Expenses	Offsets	Benefit	Persons
Assigned Staff (G1) Totals:	\$247,381	\$0	\$247,381	Unknown
Community Benefit Operations (G) Totals:	\$247,381	\$0	\$247,381	Unknown

Number of Activities: 37 Totals:	\$32,439,796	\$9,377,827	\$23,061,969	23,043
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