

The Community Health Improvement Matrix: an effective tool for implementation planning

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Public Health
Prevent. Promote. Protect.



BON SECOURS
HEALTH SYSTEM

NACCHO

National Association of County & City Health Officials

The National Connection for Local Public Health

Learning Objectives

- Identify implementation activities within Healthy People 2020's Social Determinants of Health construct.
- Apply a hospital – local health department case example to their settings.
- Use the *Community Health Improvement Matrix* in implementation planning.

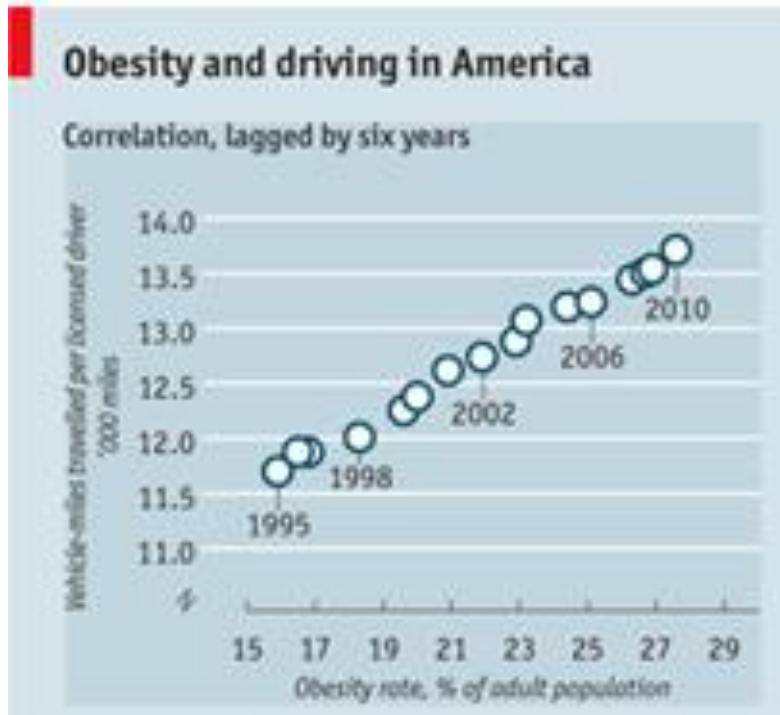


The problem

- **Health department CHAs and hospital CHNAs point to challenging health problems:** obesity, substance abuse, mental health, maternal and child health
- **To make progress, the *context* in which these problems are occurring must be addressed.**
- **This is difficult to do.**
 - It requires strong community partners.
 - The evidence base is still being developed.
- **Conceptualizing the challenge is a first step.**



Vehicle miles driven and obesity rates



In addition to obesity, research also suggests that commuting is associated with an increased risk of developing high blood pressure, high cholesterol, depression, anxiety, and social isolation, all of which can impair the quality and length of life.

Sources: "A note on the relationship between obesity and driving" by Sheldon Jacobson et al, Transport Policy, 2011; Bureau of Transport Statistics; Centres for Disease Control and Prevention; Department of Transport



June 9, 2014

In U.S., Depression Rates Higher for Long-Term Unemployed

Mental health poorest among those jobless for six months or more

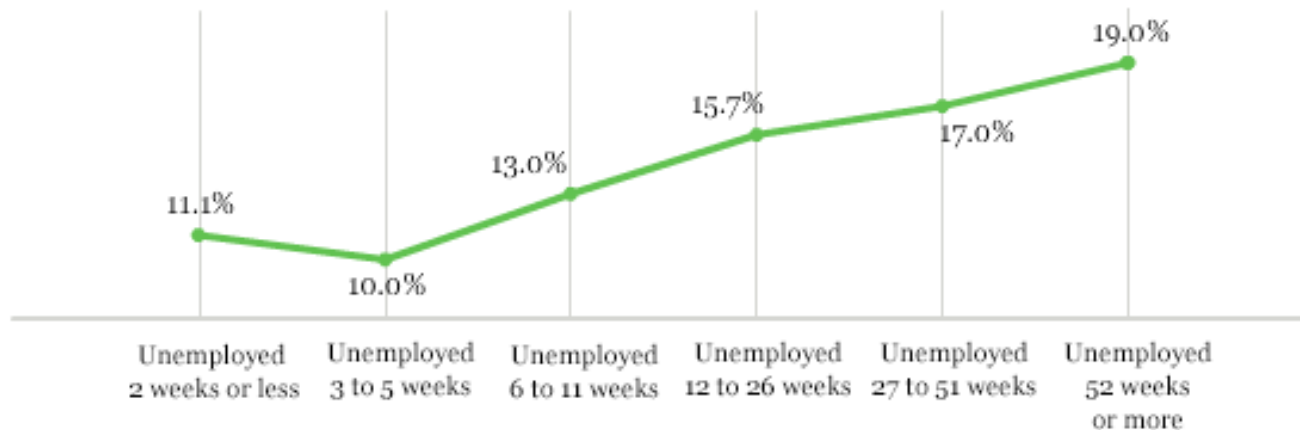
by Steve Crabtree

WASHINGTON, D.C. -- The longer that Americans are unemployed, the more likely they are to report signs of poor psychological well-being. About one in five Americans who have been unemployed for a year or more say they currently have or are being treated for depression -- almost double the rate among those who have been unemployed for five weeks or less.

Do you currently have, or are you currently being treated for, depression?

Among unemployed, likelihood of being depressed rises steadily over time

■ Currently have/being treated for depression



Gallup-Healthways Well-Being Index, 2013

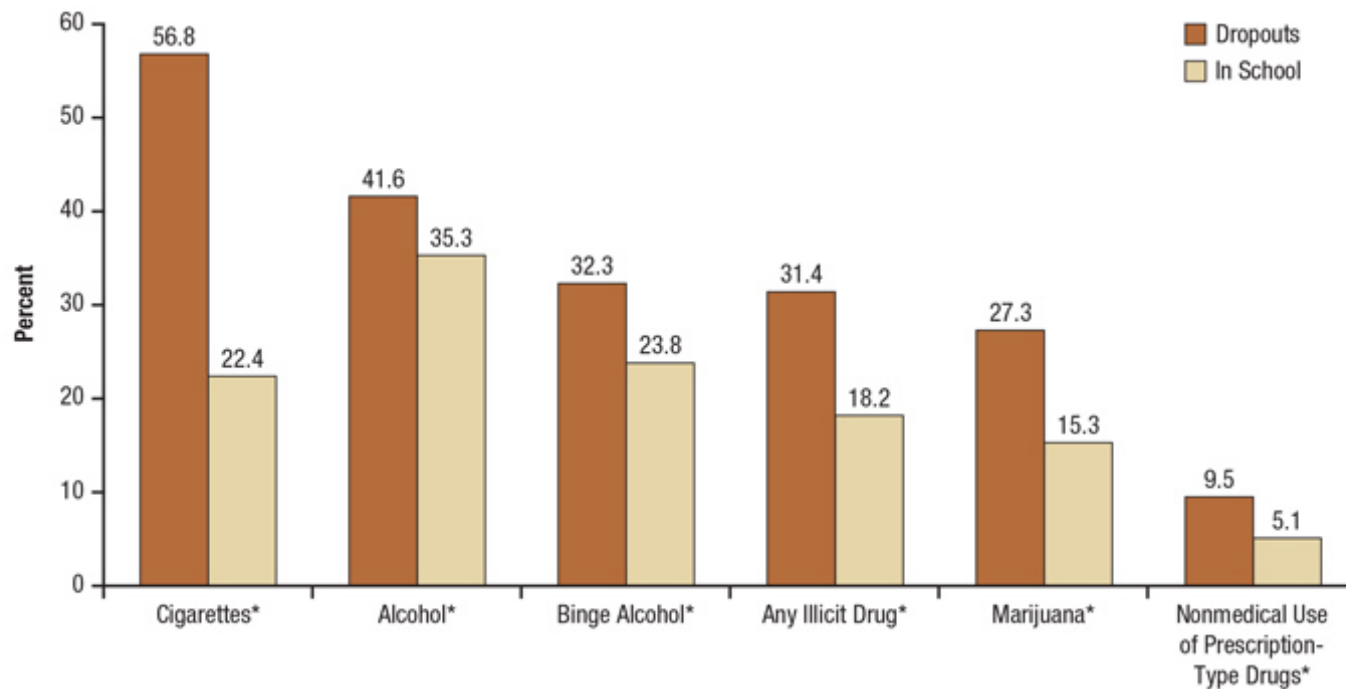
GALLUP®

These findings are based on surveys with 356,599 Americans, including 18,322 unemployed adults, conducted in 2013 as part of the Gallup-Healthways Well-Being Index.



Education level and substance use

Figure 1. Past Month Substance Use among 12th Grade Aged Youths, by Dropout Status: 2002 to 2010



* Difference between 12th grade students and 12th grade aged youths who had dropped out of school is significant at the .05 level.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2002 to 2010 (revised March 2012).



Breastfeeding and education level

% Breastfeeding by Education 2009

< High school	39.7
High school	37.0
Some college	44.1
Associate's degree	46.8
4-year degree	61.8
Advanced degree	68.1

Source: National Immunization Survey

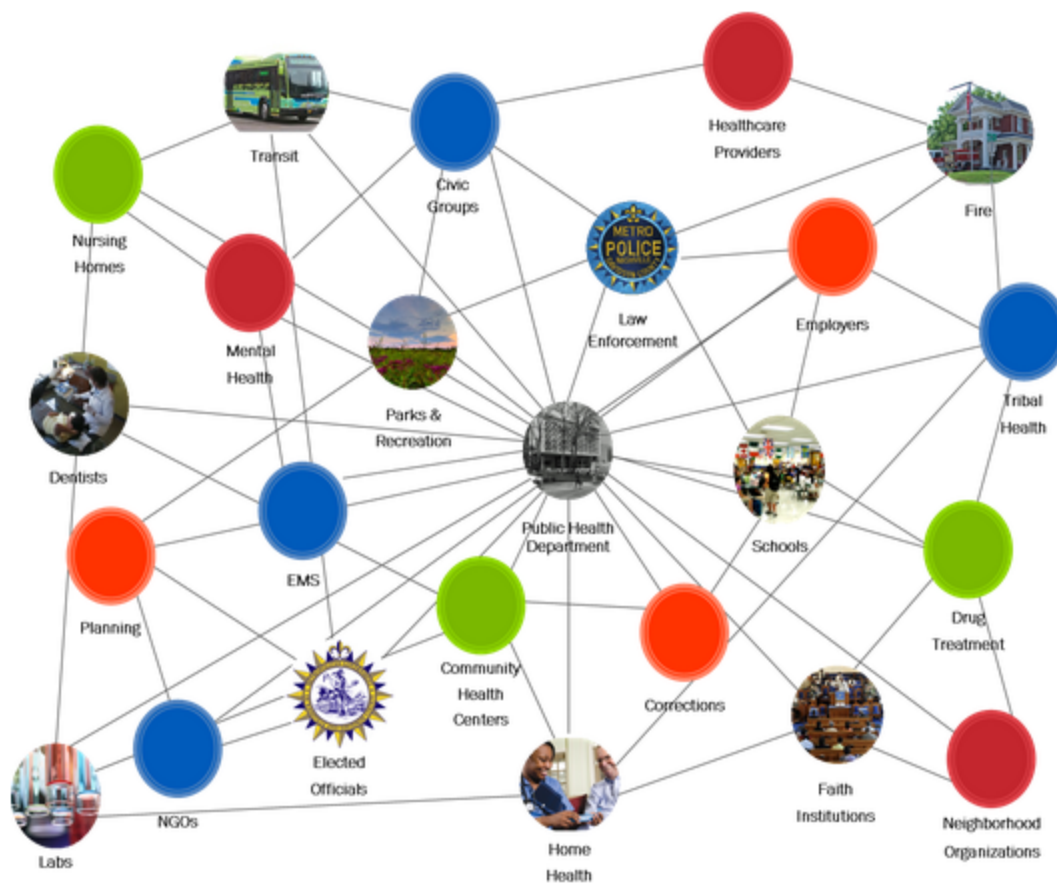


Healthy habitats for humans

The social determinants of health are the conditions in which people are born, grow, live, work and age. These circumstances are shaped by the distribution of money, power and resources at global, national and local levels.



The Local Public Health System Assessment (LPHSA) focuses on all of the organizations and entities that contribute to the public's health. The LPHSA answers the questions: "What are the components, activities, competencies, and capacities of our local public health system?" and "How are the Essential Public Health Services being provided to our community?"



Above is a web representing the entities that make up the Local Public Health System in Nashville.

The LPHSA uses a quality improvement tool developed by the Centers for Disease Control & Prevention (CDC), the National Association of City & County Health Officials (NACCHO) et al. called the National Public Health Performance Standards Program (NPHPSP) Local Public Health System Performance Assessment Instrument. Yes that is a mouthful!



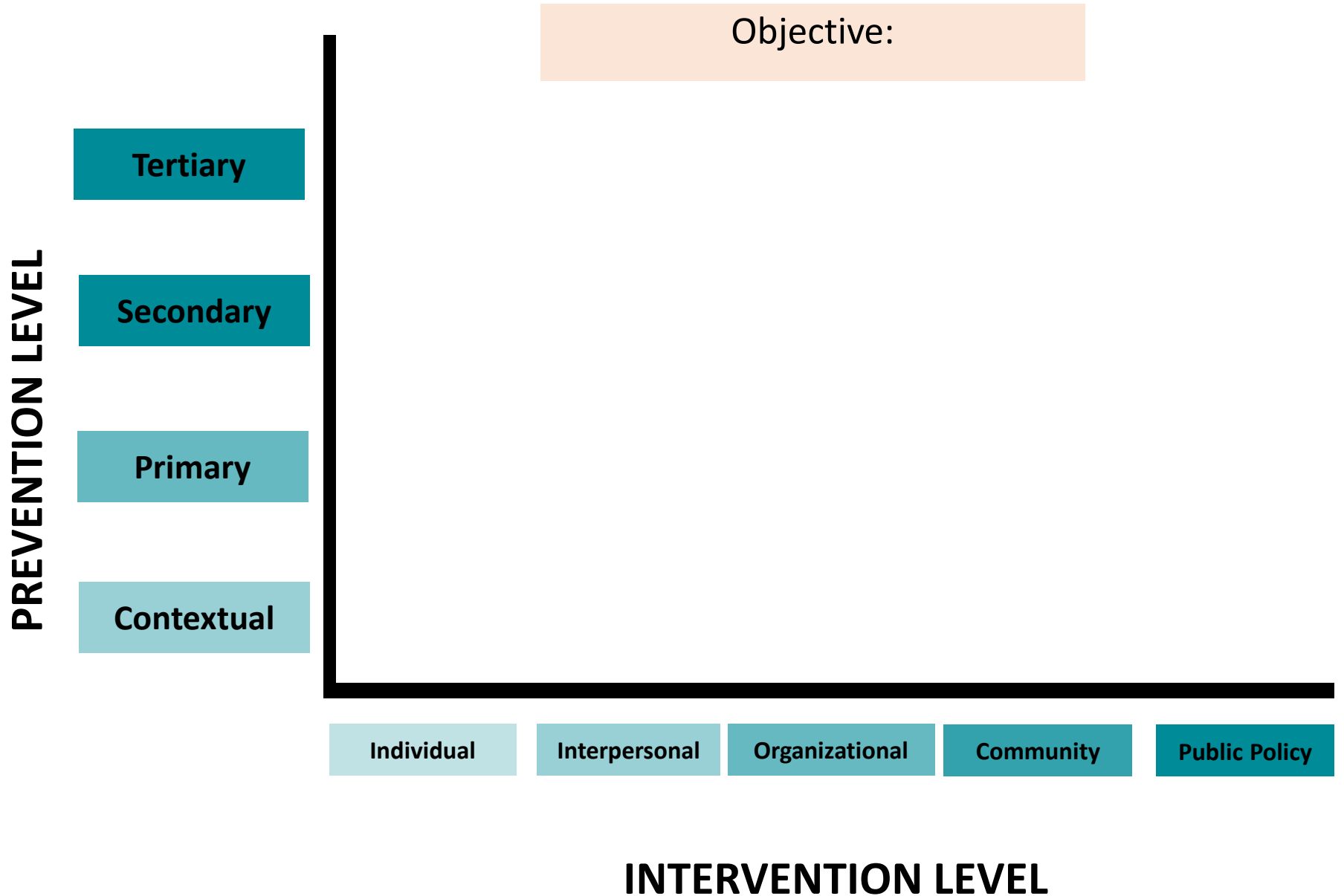


Healthy People 2020 model

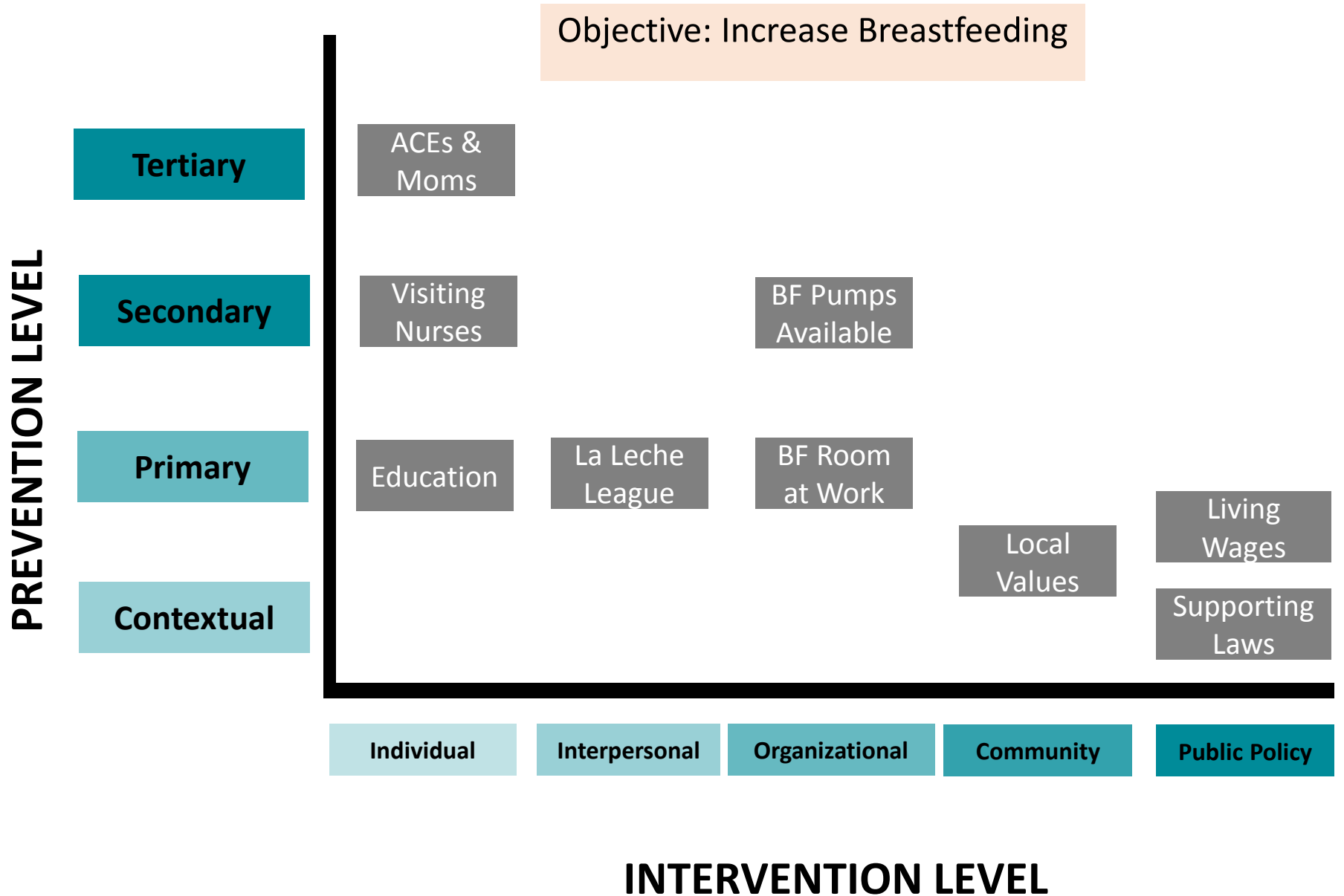
<https://www.healthypeople.gov/>



Community Health Improvement Matrix



Community Health Improvement Matrix



Story from the Field: Bon Secours Health System



Bon Secours Mission

The Mission of Bon Secours Health System is to bring compassion to health care and to be good help to those in need, especially the poor and dying.

As a System of caregivers, we commit ourselves to help bring people and communities to health and wholeness as part of the healing ministry of Jesus Christ and the Catholic Church.



our **mission** is constant...

The Mission of Bon Secours Health System is to bring compassion to health care and to be *Good Help to Those in Need®*, especially those who are poor and dying.

As a system of caregivers, we commit ourselves to help bring people and communities to health and wholeness as part of the healing ministry of Jesus Christ and the Catholic Church.

OUR **vision**

Inspired by the healing ministry of Jesus Christ and the Charism of Bon Secours...

As a prophetic Catholic health ministry we will partner with our communities to create a more humane world, build health and social justice for all, and provide exceptional value for those we serve.



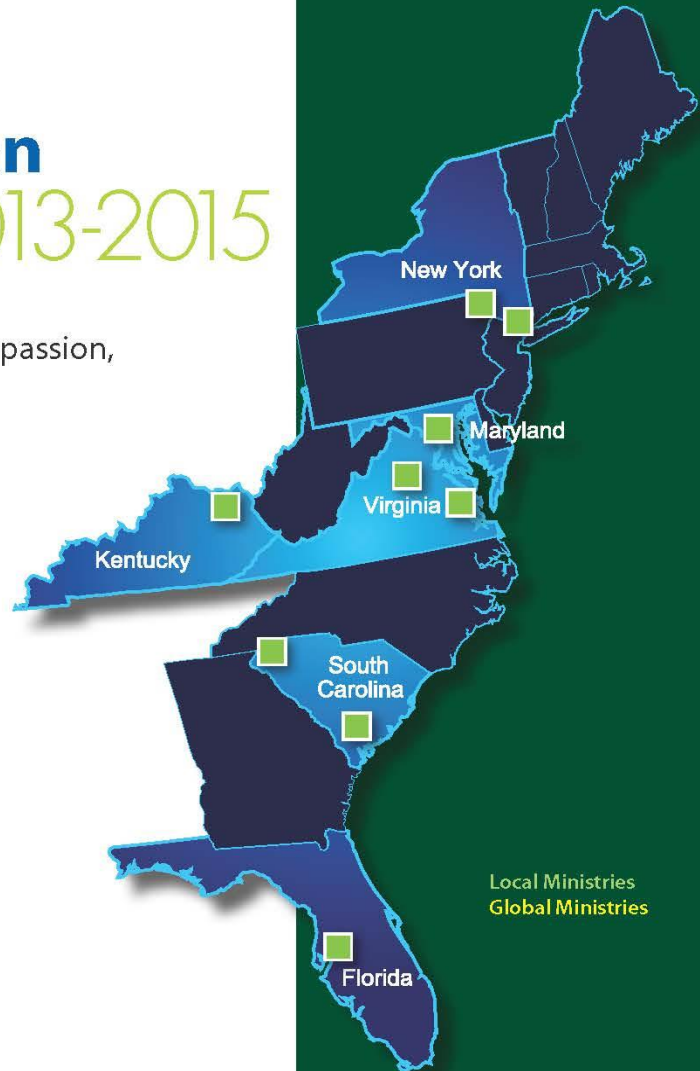
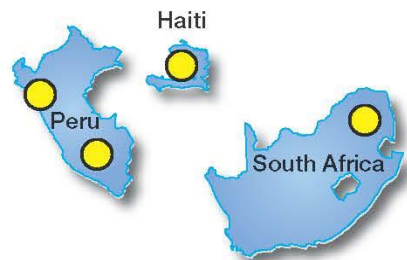
BON SECOURS HEALTH SYSTEM

strategic quality **plan**
2013-2015

strategic **goals**

To faithfully respond to God's gift of compassion, healing, and liberation we commit to:

- **Bring** our communities to wholeness
- **Ensure** our care is extraordinary
- **Transform** our health delivery
- **Express** our Catholic identity
- **Liberate** our people's potential



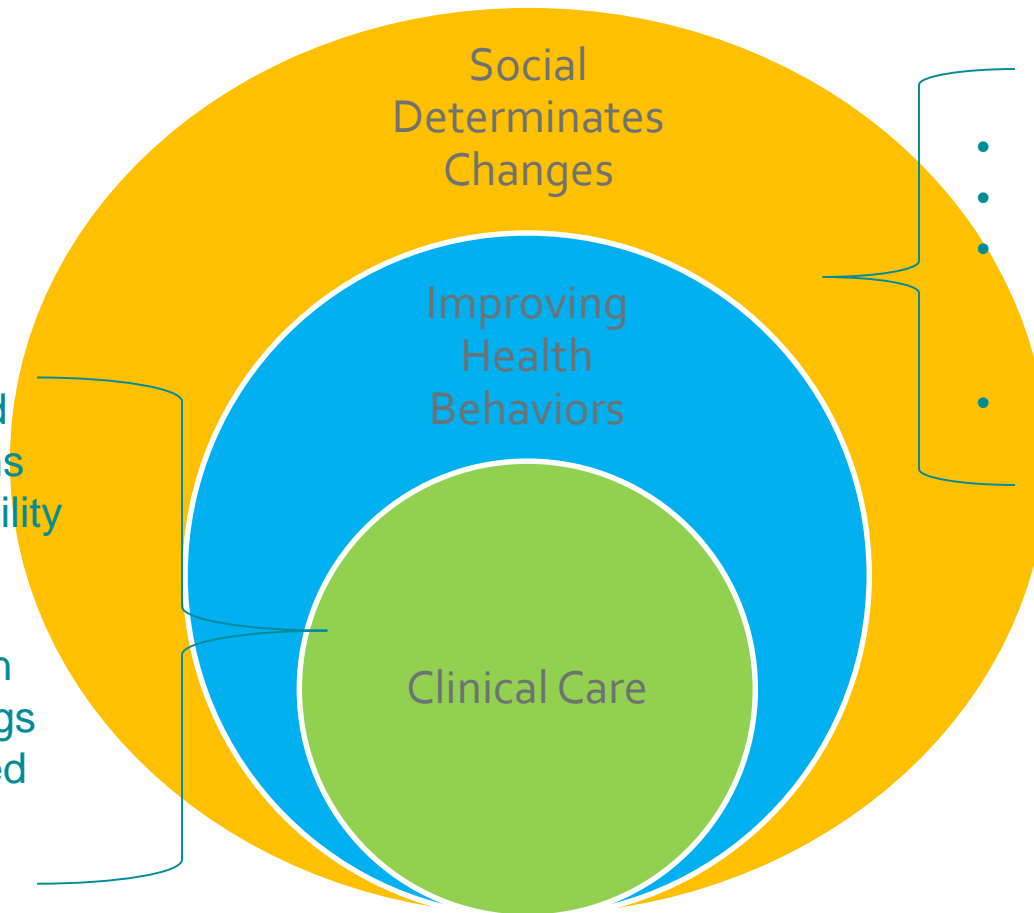
Local Ministries
Global Ministries

building healthy **communities**

Population Health

Community Outreach

Healthy Community

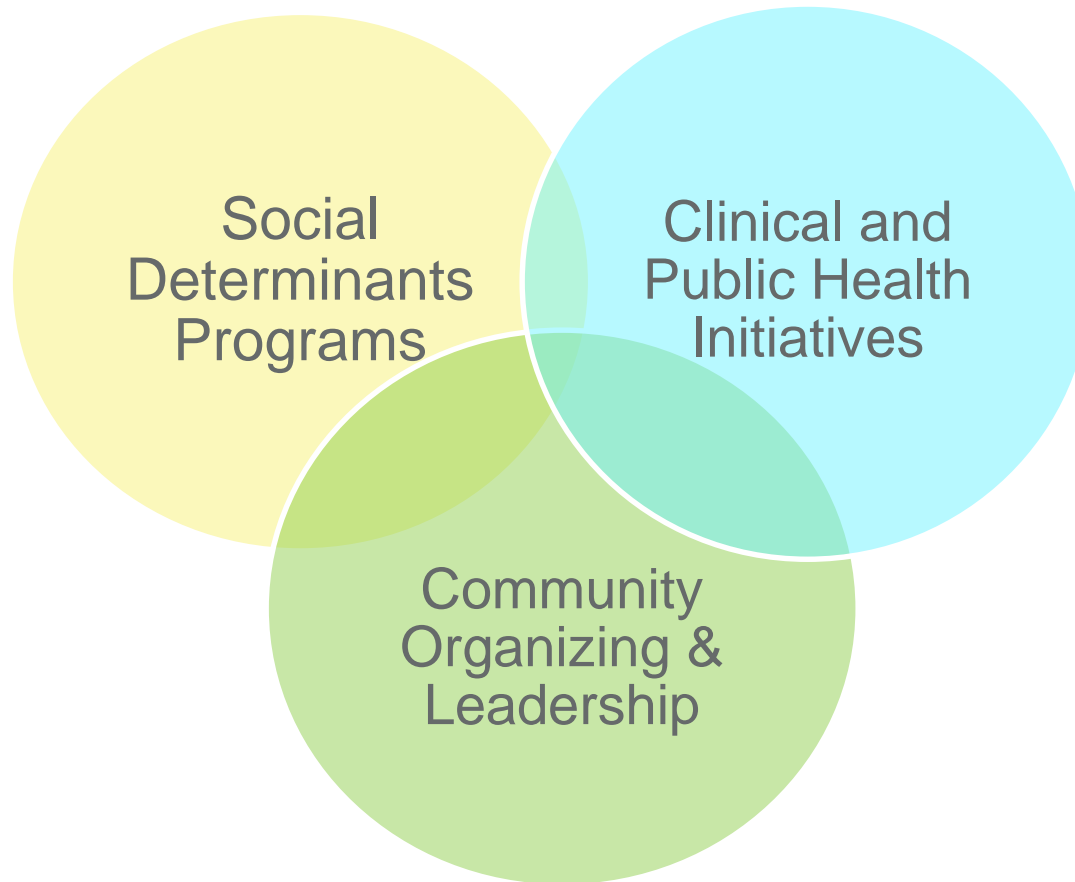


- Patient Centered
- Health Conditions
- Primary and Facility Care
- Pharmacology
- Health Education
- Health Screenings
- Program Oriented

- Community Centered
- Social Conditions
- Education, Housing, Economic Development, Transportation
- Multi-organizational



Integrated Emphasis



Identified Community Needs

<u>Condition</u>	<u>BS Hampton Roads</u>	<u>BS Richmond</u>	<u>BS St. Francis</u>	<u>BS Kentucky</u>	<u>BS Charity</u>	<u>BS Baltimore</u>
Behavioral/Mental Health						
Alcohol & Substance Abuse						
Chronic Disease Prev/Mgmt (Adult & Child Obesity)						
Chronic Disease Prev/Mgmt (Other, e.g. Diabetes)						
Heart Disease & Stroke						
Maternal & Child Health						
Cancer Detection & Screening						
Oral and Dental Health						
Asthma & Respiratory Disease						
Communicable Disease (HIV/AIDS)						
Alzheimer's Disease						
Healthy & Safe Environments						
Transportation						

Identified Community Needs

<u>Condition</u>	<u>BS Hampton Roads</u>	<u>BS Richmond</u>	<u>BS St. Francis</u>	<u>BS Kentucky</u>	<u>BS Charity</u>	<u>BS Baltimore</u>
Access to Health Services (PC & Specialty)						
Access to Healthy Food/Nutrition						
Health Education & Promotion						
Tobacco Use						
Improve Housing Market						
Job Creation						
Aging Services						
Uninsured Adults & Children						
Domestic Violence						
Intellectual & Developmental Disabilities						
Reduce Energy/Water Use						
Increase Public Green Spaces						
Population based health data management						
Public Health Policy Developmental						

Implementation Plan Priorities

Subject	<u>BS Hampton Roads</u>	<u>BS Richmond</u>	<u>BS St. Francis</u>	<u>BS Kentucky</u>	<u>BS Charity</u>	<u>BS Baltimore</u>
Obesity (Adult/Child)						
Chronic Disease Prev/Mgmt						
Heart Disease & Stroke						
Cancer						
Primary Care & Prevention						
Behavioral Health						
Maternal Health						
Oral Health						
Specialty Medical Care						
Healthy Economy						
Healthy Environment						
Asthma						
Pop based health data Mgmt						
Aging Services						
Uninsured Adults & Children						

Implementation Plans - Collaborative Actions w/Health Depts

Bon Secours Hampton Roads

- ✓ Nutritional Guidelines for Health Facility Cafeterias

Bon Secours Charity

- ✓ “Complete Streets” Initiative

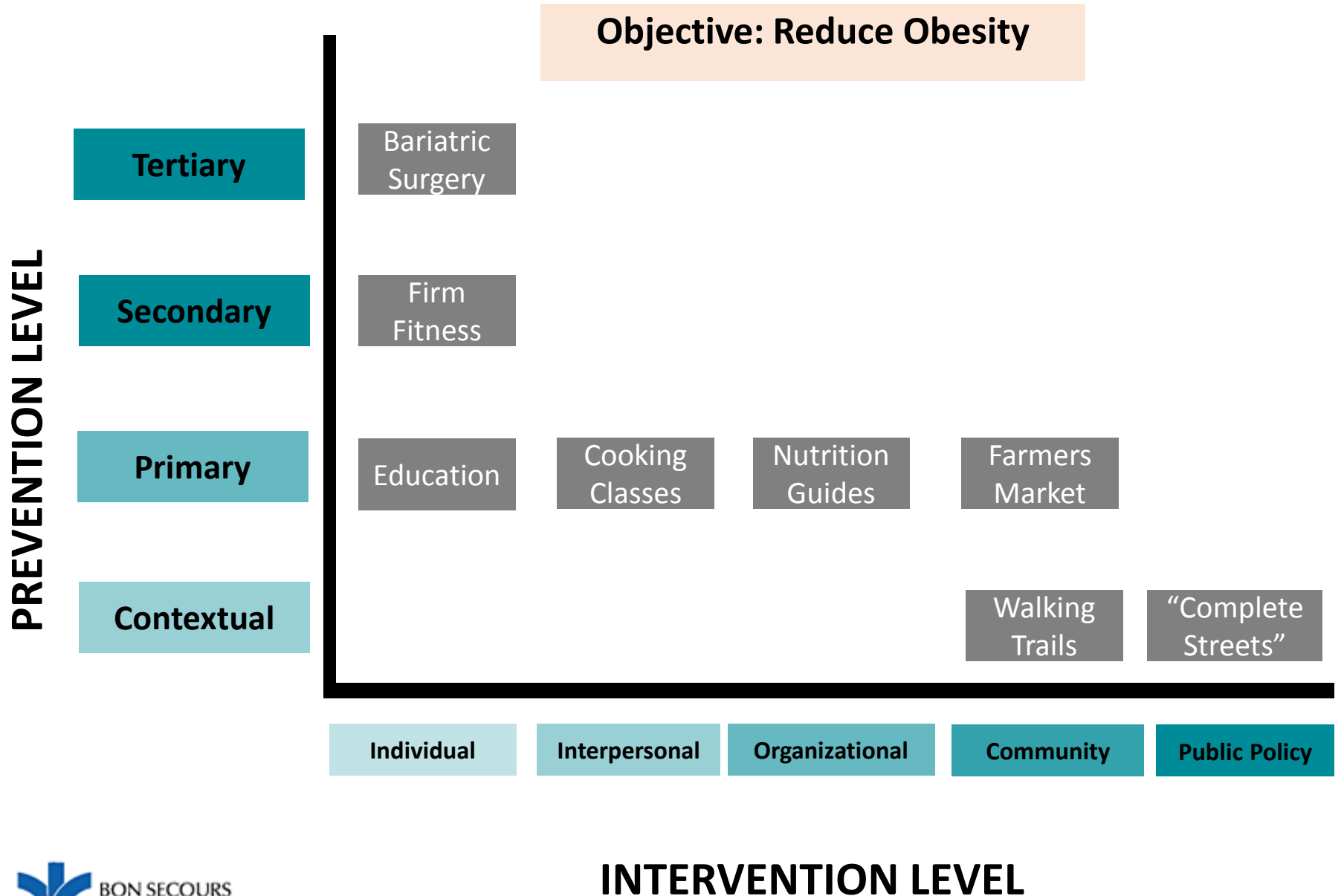
Bon Secours Richmond

- ✓ Health Clinic in Housing Community

Bon Secours Kentucky

- ✓ Healthy Choices Coalition – Farmers’ Markets, Walking Trails
- ✓ Boyd County – Appalachian Partnership for Positive Living and Eating (APPLE), Firm Fitness

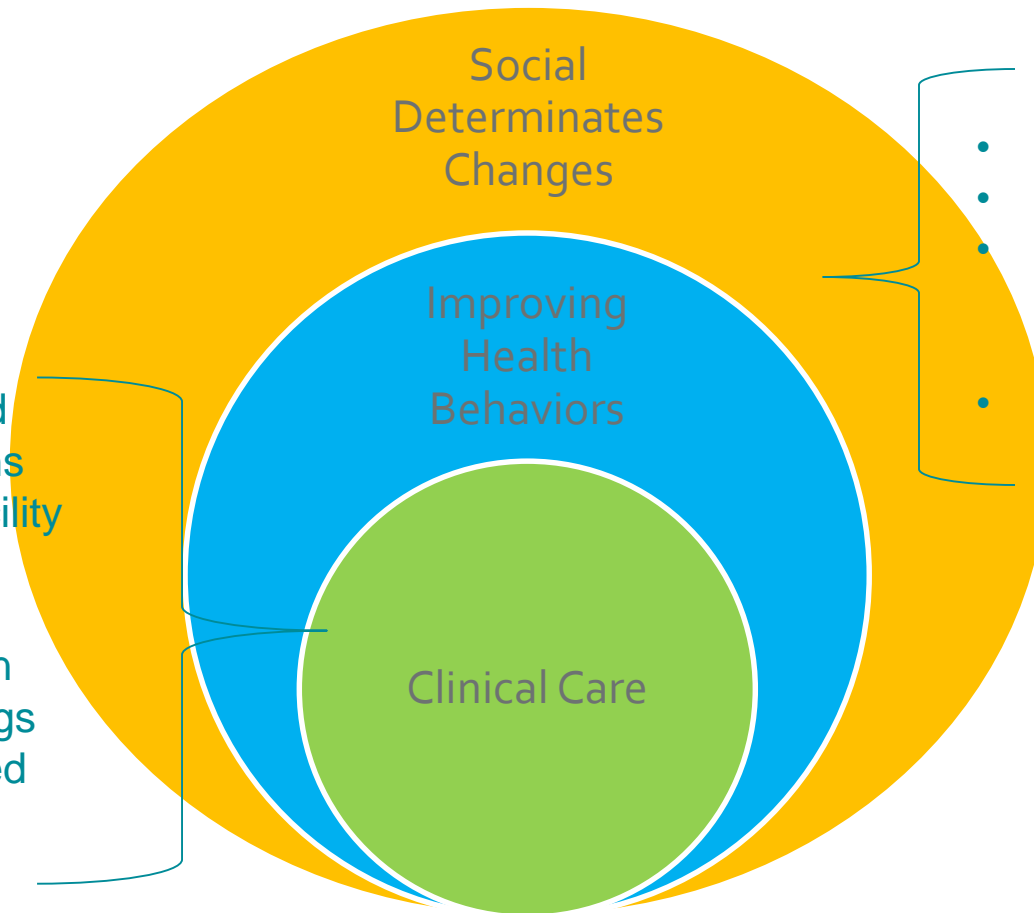
Community Health Improvement Matrix



Population Health

Community Outreach

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- Patient Centered
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- Health Screenings
- Program Oriented

- Community Centered
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Healthy Community Outcomes

- **Economic opportunities**
- **Affordable housing and safe, walkable streets**
- **Vibrant expressions of faith and community**
- **Improved health status**
- **Successful education and training**
- **Availability for recreation and cultural arts**

Health Resources

Economic opportunities

Affordable and safe housing

Improved health status

Vibrant faith expression

Vibrant recreation & arts

Improved health status

Wellness/Life
Coach

Dietician

Community Health
Worker



Job Creation

Economic opportunities

Affordable and safe housing

Improved health status

Vibrant faith expression

Vibrant recreation & arts

Economic Oppts

Bakeries/Markets

Supplier to "Anchor"

Artisan Shops



Housing in Baltimore

Over 640 units of affordable housing for seniors and low income residents



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BS Baltimore's Community Works

Family Resource Center

- ✓ GED preparation
- ✓ Child care services, Maryland Family Network
- ✓ Parenting skills, formerly incarcerated men

Financial Assistance and Planning

Job training, readiness

- ✓ Computer skills
- ✓ Clean and Green landscaping services
- ✓ Pipeline for entry level hospital services



BS Baltimore's Implementation Plan

Healthy People

- ✓ Expansion of Primary Care and Prevention Services
- ✓ Health Enterprise Zone Collaborative Initiative

Healthy Economy

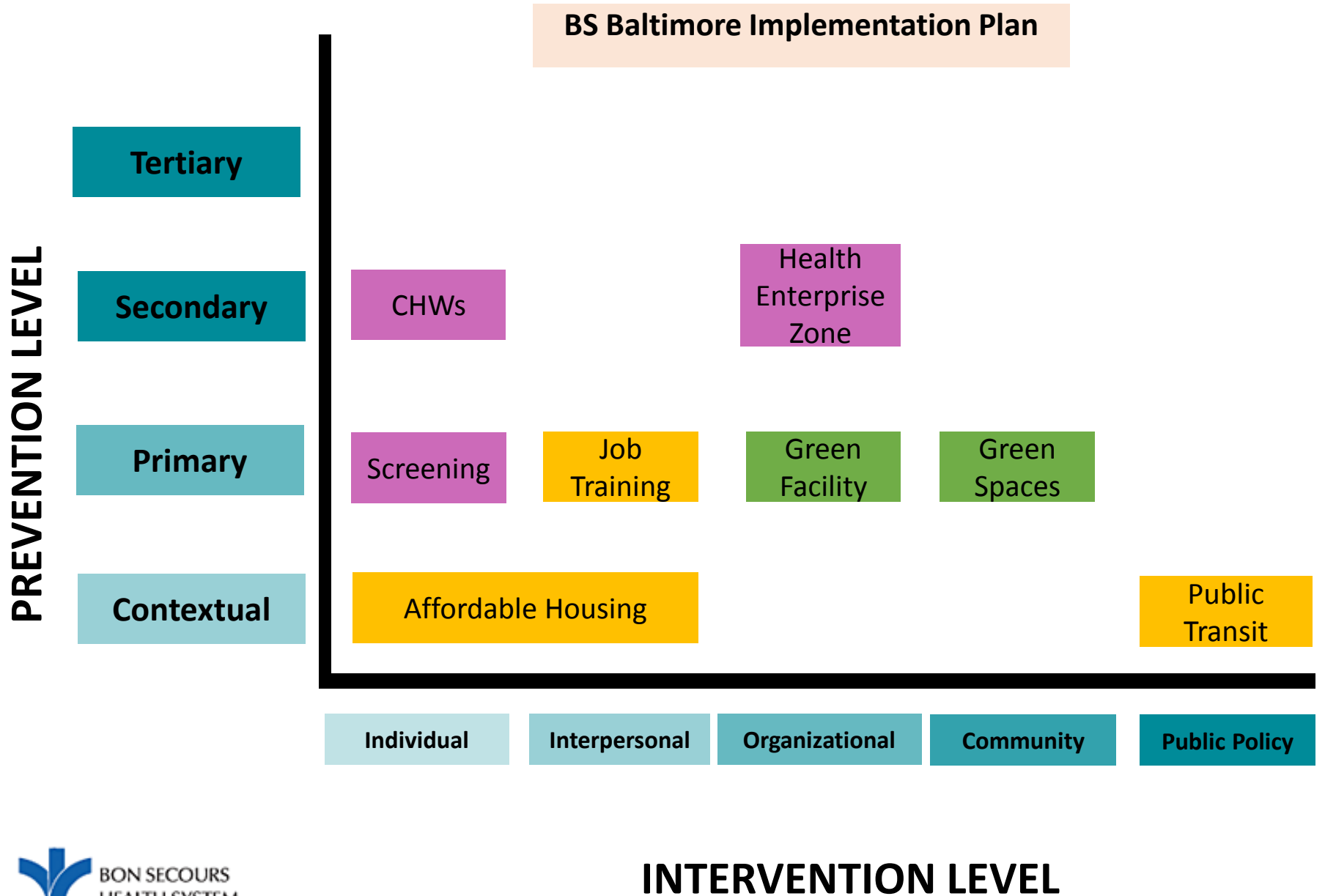
- ✓ Workforce Development Program
- ✓ Expansion of Affordable Housing
- ✓ Advocacy for Improved Public Transit System

Healthy Environment

- ✓ Elimination of Pesticides and Toxic Chemicals (internal)
- ✓ Expansion of Community Green Spaces



Community Health Improvement Matrix



Activity: Using the Community Health Improvement Matrix

Prevention Levels: *Prevention levels refer to the range of activities that can reduce health risks.*

Contextual:	Prevent the emergence of predisposing social and environmental conditions that can lead to causation of disease
Primary:	Reduce susceptibility or exposure to health threats
Secondary:	Detect and treat disease in early stages
Tertiary:	Alleviate the effects of disease and injury

Intervention Levels: *Intervention levels are built on a socioecological model that recognizes different factors that affect health.*

Individual:	Characteristics of the individual such as knowledge, attitudes, behavior, self-concept, skills, etc. Includes the individual's developmental history
Interpersonal:	Formal and informal social network and social support systems, including family, work group, and friendship networks
Organizational:	Social institutions with organizational characteristics, and formal (and informal) rules and regulations for operation
Community:	Relationships among organizations, institutions, and informal networks within defined boundaries
Public Policy:	Local, state, and national laws and policies

Thank you! Questions?

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