



Navigating the Changing Healthcare Landscape

Whole Health for Whole Populations: Clinical, Community, and Public Health Partnerships

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Course Description

Have you ever felt frustrated tackling issues one member or care team at a time? Did you ever wish you could "work upstream" and prevent things from happening? If so, this is a great time to learn more about community-wide, public health-type approaches.

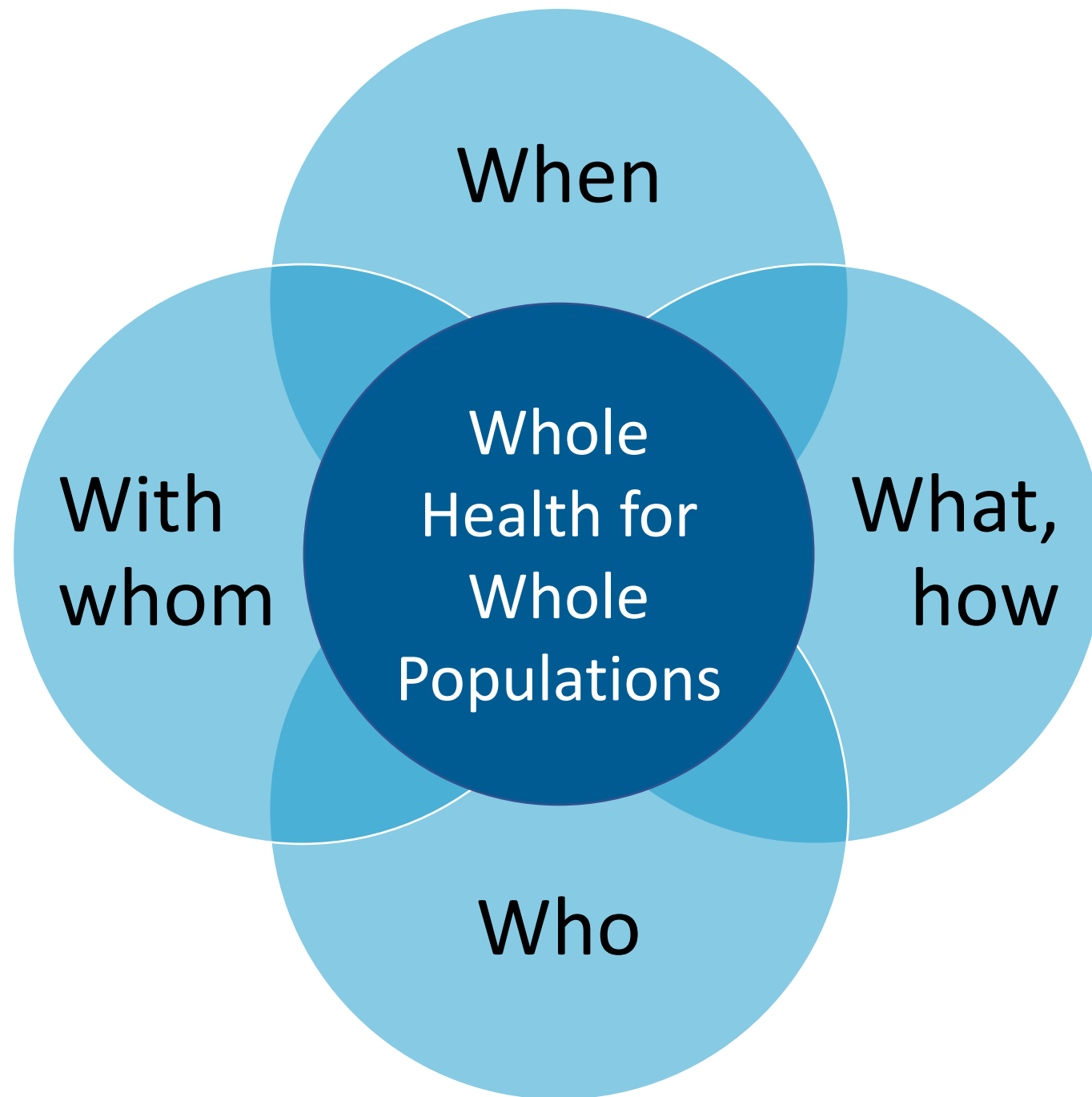
Learn about "true" population health, including:

- Top health priorities for Tailored Plan
- Vaya's planned interventions to address these health domains at member, provider, and community levels

Learning Objectives

Following this presentation, learners will be able to:

- Recognize and recall the key health domains prioritized under the Tailored Plan: opioid misuse, tobacco cessation, pregnancy intendedness, birth outcomes, early childhood interventions, diabetes prevention, hypertension (high blood pressure), etc.
- Describe and contrast the different levels or types of planned interventions: individual (member, recipient), clinical (provider, practitioner) and system (community, public)
- Give examples of Vaya/WNC efforts that relate to the Tailored Plan health domain priorities



**When you hear
“whole health”
what do you think of?**

Whole Health is:

- Beyond the Body
 - Integrated Care: Body and Mind, Physical and MH/SU/IDD
- Beyond/Before Illness and Disease - *When*
 - Wellness, Health Promotion
 - Prevention (Primary, Secondary, Tertiary)
 - Intervening Upstream, Root Causes (e.g., Adverse Childhood Events, ACEs)
- Beyond Clinical Care and Treatment – *What and How*
 - Barriers and Needs
 - Unmet Health Related Resource Needs (Social Determinants of Health), CBO Partners, Etc.
 - Facilitating Factors and Strengths
 - Natural & Peer Supports, Community Resiliency, Life Engagement and Purpose

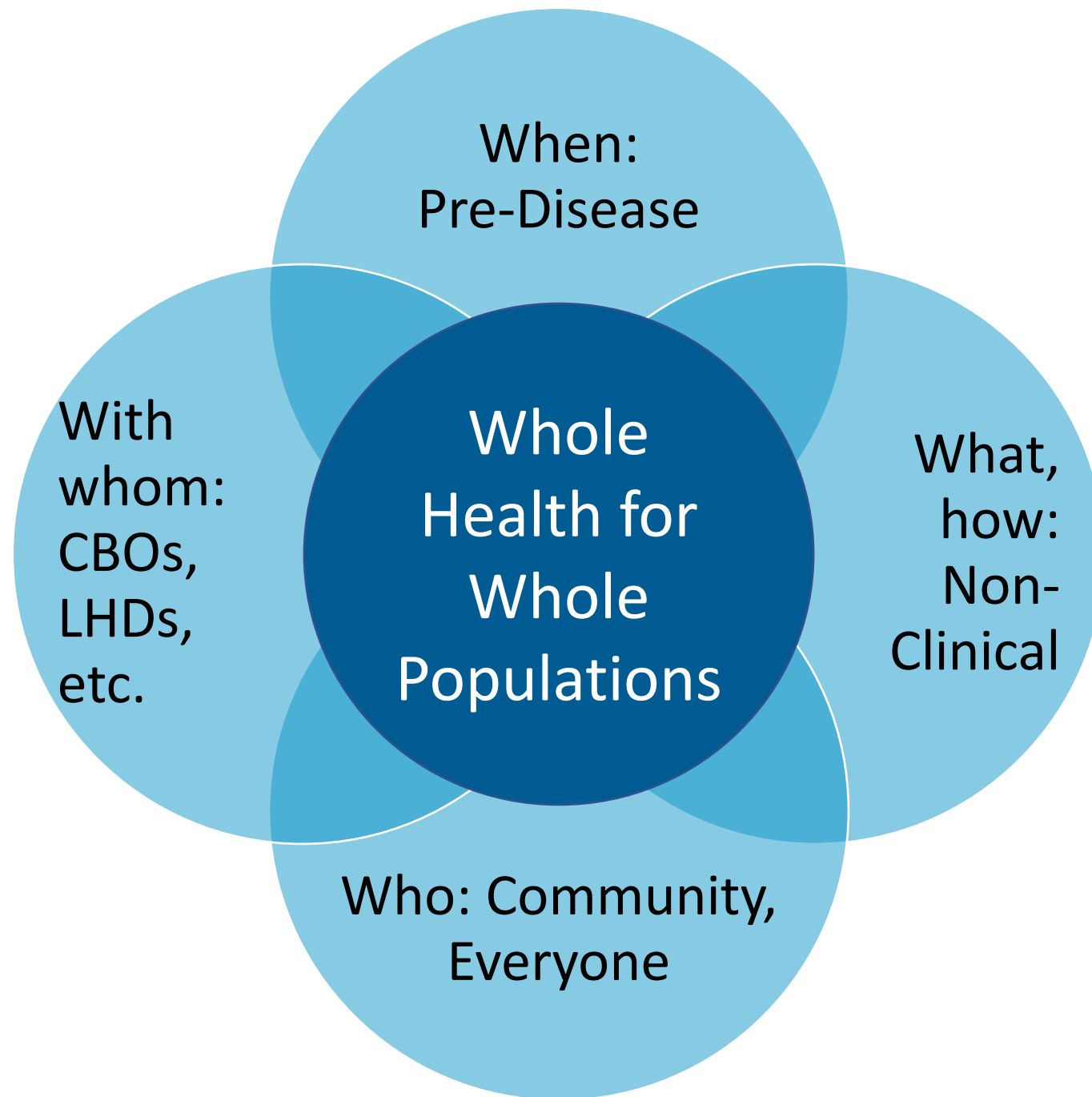
**What do you think when you hear
“whole population”?**

Individual versus group strategies?

**What about population health,
community health and public health—
are they the same thing or different?**

Whole Population Approaches are:

- Beyond the Individual – *Who*
 - Individual, family, neighborhood, community, city, state, nation, world
 - All of us/everyone - all residents/all people, potentially payer blind/agnostic
 - Public Health, Community Health, Collective Health
- Beyond What Vaya/Providers Can Do Alone – *With Whom*
 - Based on deep, wide, and diverse partnerships
 - More than MCOs/PHPs **or** associated networks of providers and practitioners
 - Non-clinical partners, such as community based organizations (CBOs)
 - Different methods of communication, collaboration, coordination
 - New or changed relationships, interdependence and trust
 - Some needed partners may not be “within our network” (no formal leverage or contract)



Background and Context

Comorbidities and Disease Prevalence for Tailored Plan Members

What Drives Health/Illness – Social Determinants, ACEs, etc.

“What We’re Up Against, The Challenge”



The PROBLEM

People with mental illness die earlier than the general population and have more co-occurring health conditions.

68%

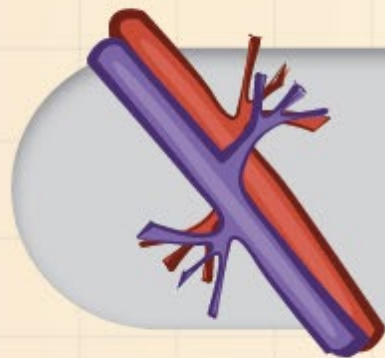
of adults with a mental illness have one or more chronic physical conditions

more than

1 in 5

adults with mental illness have a co-occurring substance use disorder

Co-occurrence between mental illness and other chronic health conditions:



Mental Illness

21.9%

No Mental Illness

18.8%

High Blood Pressure



Mental Illness

36%

No Mental Illness

21%

Smoking



Mental Illness

5.9%

No Mental Illness

4.2%

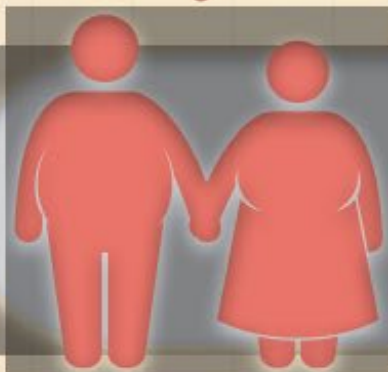
Heart Disease



Mental Illness 7.9%

No Mental Illness 6.6%

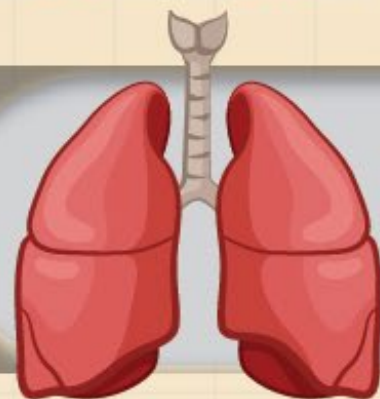
Diabetes



Mental Illness 42%

No Mental Illness 35%

Obesity



Mental Illness 15.7%

No Mental Illness 10.6%

Asthma



In North Carolina...

Housing

- More than 1.2 million without affordable housing
- One in 28 children under 6 are homeless

Diabetes

- **Seventh** highest rate in U.S. for diabetes related deaths (3000 deaths per year)
- In 2020, 35% of us have prediabetes and 13% are living with diabetes

Food Insecurity

- **Eighth** highest rate in U.S.
- More than one in five children (20%); in some counties, one in three children (33%)

Safety and Interpersonal Violence

- 47% of women experienced intimate partner violence
- 25% of children with ACEs (e.g., abuse, other adverse childhood events)



2019 Outcome Performance NC Medicaid versus U.S. Median Rates

- Comparative data source: HEDIS measures (NCQA)
 - HEDIS = Healthcare Effectiveness Data and Information Set (used to measure the quality of health plans)
- Combined/full Medicaid population (SP+TP)
- Pediatric measures: NC generally at/above U.S. median
- Adult measures: NC at/below U.S. median
- Disparities: some age, race, geography differences
- SP rates versus TP rates: some differences
 - e.g., A1c (Diabetes) with TP members faring worse (not a surprise)

Okay, I understand about disease statistics, but I keep hearing about social determinants of health, ACEs, health disparities. What's the deal?

Figure 1

Social Determinants of Health

Economic Stability	Neighborhood and Physical Environment	Education	Food	Community and Social Context	Health Care System
Employment	Housing	Literacy	Hunger	Social integration	Health coverage
Income	Transportation	Language	Access to healthy options	Support systems	Provider availability
Expenses	Safety	Early childhood education		Community engagement	Provider linguistic and cultural competency
Debt	Parks	Vocational training		Discrimination	Quality of care
Medical bills	Playgrounds	Higher education		Stress	
Support	Walkability				
	Zip code / geography				

Health Outcomes

Mortality, Morbidity, Life Expectancy, Health Care Expenditures, Health Status, Functional Limitations

The Opportunity for Everyone to Have Good Health



Black Lives
Matter

When breathing.

Black children die
from asthma at
3 times the rate of
white children.

NO COAL IN
OAKLAND

Don't wanna
breathe that
coal dust

Buncombe County

- Overall infant mortality 5:1
 - For every 1000 babies born, five will die within a year
- Between 2010 and 2018, (overall) infant mortality decreased
- (But) mortality for Black babies increased—from 11.7 to 15.1

RACIAL AND ETHNIC HEALTH DISPARITIES IN NORTH CAROLINA

NORTH CAROLINA HEALTH EQUITY REPORT 2018



NC DEPARTMENT OF
**HEALTH AND
HUMAN SERVICES**
Office of Minority Health
and Health Disparities

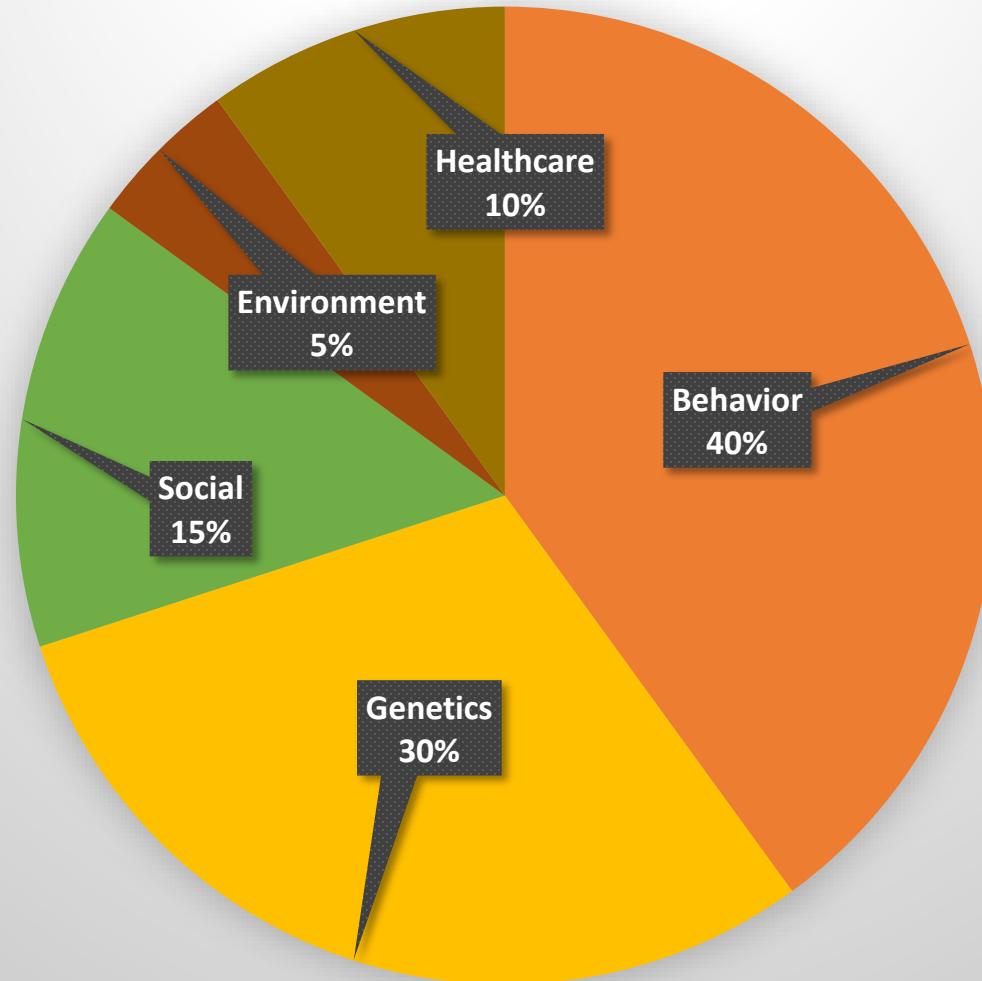




Association of ACEs with Leading Causes Deaths in the US

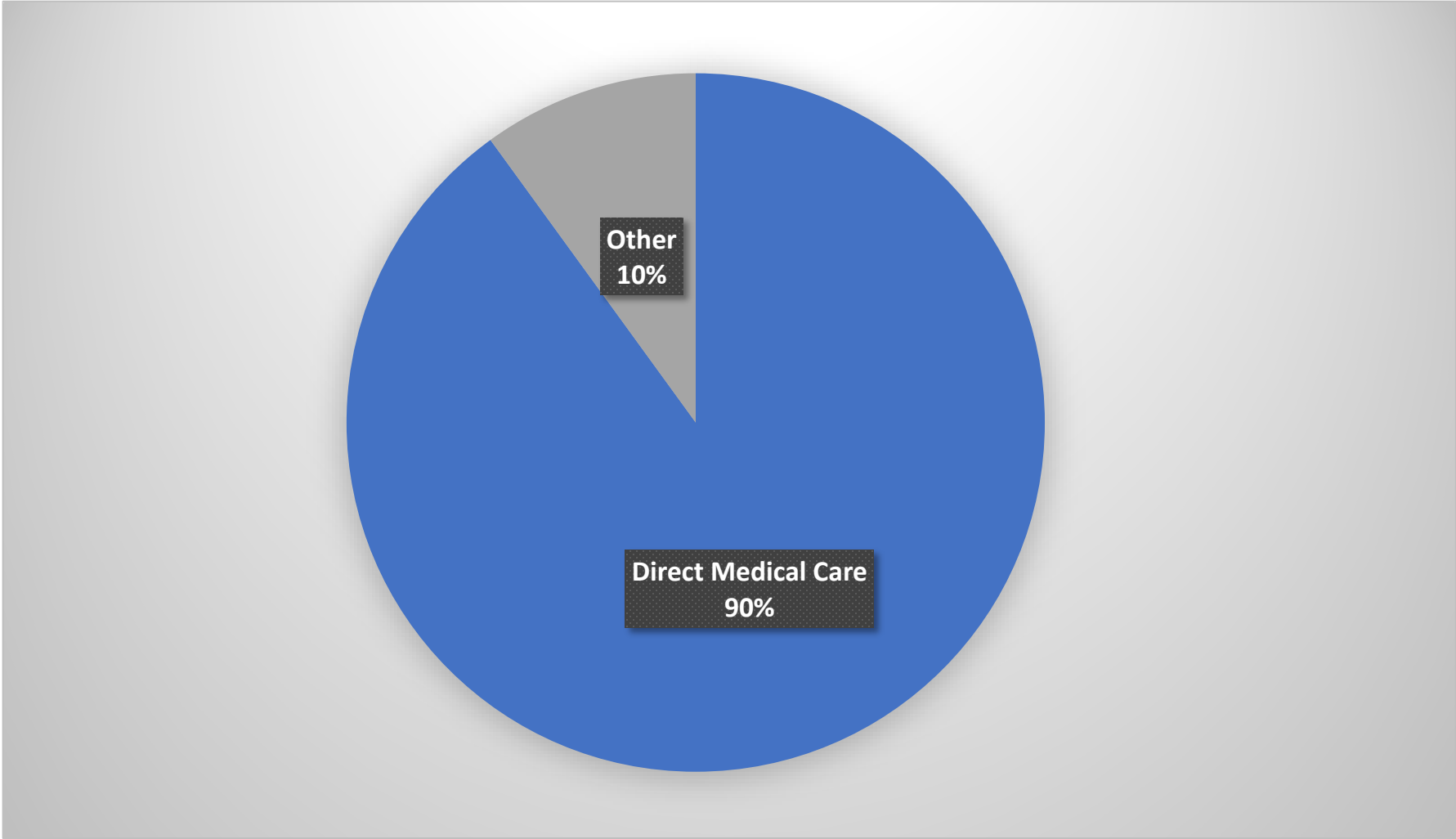
Leading causes of deaths in the U.S. (2017) ▲	Odds ratios for ≥ 4 ACEs (relative to no ACEs) ▼
1. Heart Disease	2.1
10. Suicide (attempts)	37.5
2. Cancer	2.3
3. Accidents (unintentional injuries)	2.6
4. Chronic lower respiratory disease	3.1
5. Stroke	2.0
6. Alzheimer's disease or dementia	11.2
7. Diabetes	1.4
8. Influenza and pneumonia	unknown
9. Kidney disease	1.7

What Drives Health





(And) What We Spend



Got it. So, our efforts (clinical, mostly acute) and spending (health care) don't match causes of poor health.

But what does NC DHHS think about all of this?



“

**This is a
mismatch.**

**We want to
buy health.**

Not healthcare.

*- Erika Ferguson, Director, Healthy Opportunities, NCDHHS
5/22/2019 “New Opportunities through State Initiatives: Bringing it Home”*

”

Take Home Messages

- Our members (Tailored Plan) experience more illness, early death and years of life lost than most
 - And there are differences/disparities within our TP member population
- Preventing disease—and addressing opportunities for health (SDOH)—may do *MORE* than clinical treatment services to improve health outcomes and manage costs
- The state wants to purchase health (outcomes) not purchase health (care)
- WNC's success in Tailored Plan is contingent on improved health outcomes and managed costs

NC Medicaid Transformation

Quality Strategy (Aims, Goals, Objectives)

Tailored Plan Success Indicators and Outcome Measures

Quadruple Aim

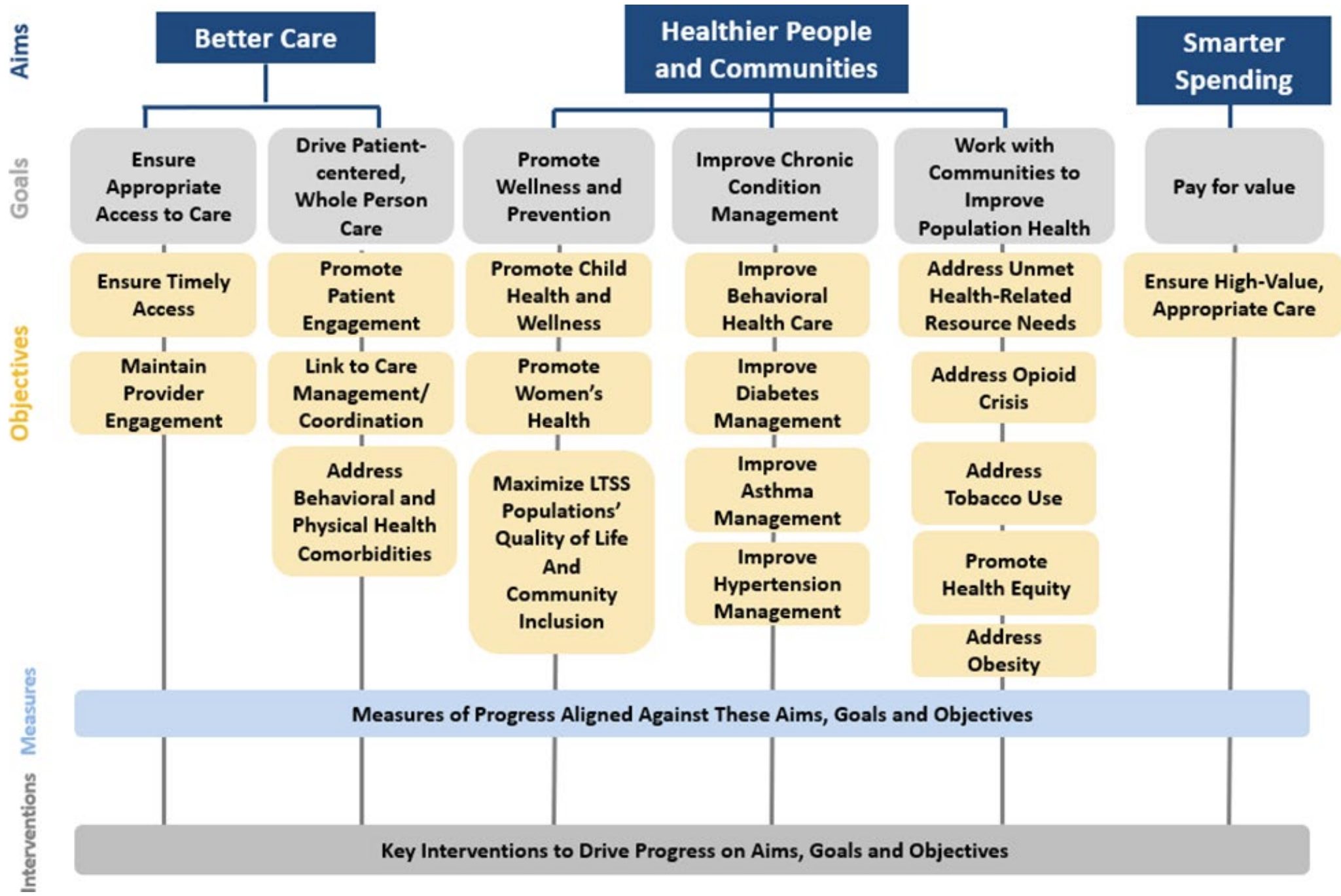




Top Health Priorities (TP/1115)

- Opioid misuse
- Tobacco cessation
- Diabetes
- Hypertension (high BP)
- Pregnancy intendedness
- Birth outcomes
- Early childhood
- Etc.





The Quadruple Aim





Adult (n=4)
Screening & Prevention

Adult (n=3)
Chronic Disease (Physical)

Adult (n=7)
Depression/Mental Illness
Opioid Related

**Core TP
Quality
Measures**

Pediatric (n=8)
Well Visits, Screening
Immunizations
BH Medication Related

Maternal/Birth
Pre/Post Natal
Low Birth Weight
Pregnancy Risk Screen

Other
Member/Provider Satisfaction
SDOH Screening
All Cause Readmits (Adult)
Total Cost of Care

Adult Measures

SCREENING AND PREVENTIVE CARE

- Cervical cancer screening
- Chlamydia screening in women
- Flu vaccinations for adults
- Diabetes screening for people with schizophrenia or bipolar disorder who are using antipsychotic medications

CHRONIC CONDITION RELATED

- Controlling high blood pressure
- HbA1c poor control (>9.0%)
- Medical assistance with smoking and tobacco use cessation

A large, multi-pointed orange starburst graphic with a white border, containing the word "Prevention!" in white text.

Prevention!

Adult Measures (continued)

- Plan all cause readmissions

DEPRESSION AND MENTAL ILLNESS RELATED

- Antidepressant medication management
- Screening for depression and follow-up plan
- Follow-up after hospitalization for mental illness

OPIOID RELATED

- Concurrent use of prescription opioids and benzodiazepines
- Continuation of pharmacotherapy for opioid use disorder
- Use of opioids at high dosage in-persons without cancer
- Use of opioids from multiple providers in-persons without cancer

Pediatric Measures

WELL CARE AND PREVENTIVE

- Child and adolescent well-care visit
- Well-child visits in the first 30 months of life (likely to be combined/merged with well child measure above)
- Immunizations for adolescents
- Percentage of eligibles who received EPSDT screening
- Childhood immunization status (Combo 10)

MEDICATION RELATED

- Follow-up for children prescribed ADHD medication
- Use of multiple concurrent antipsychotics in children and adolescents (APC-CH)
- Metabolic monitoring for children and adolescents on antipsychotics



Prevention!

Maternal and Other Measures

MATERNAL

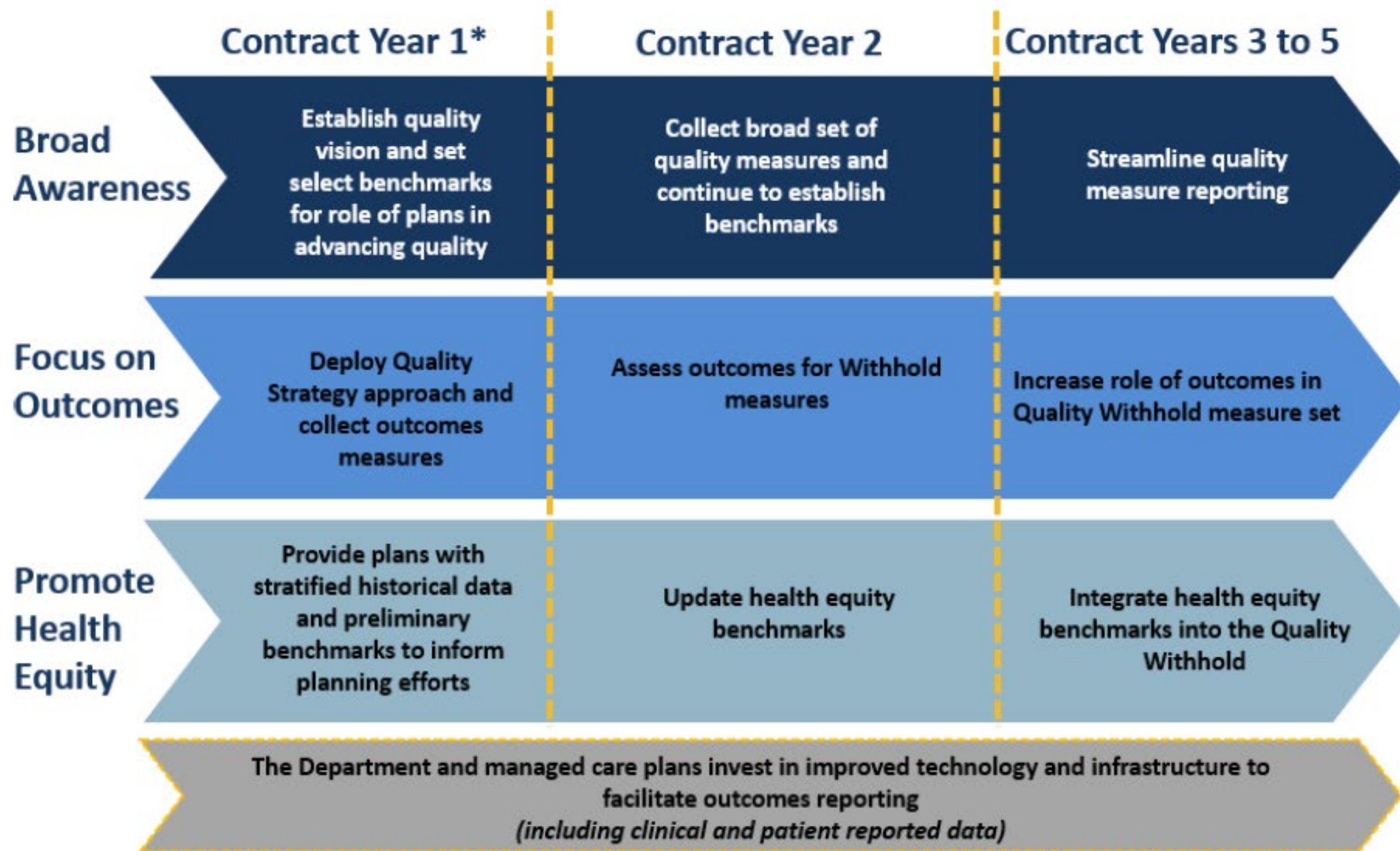
- Percentage of low birthweight births (live births weighing less than 2500 grams)
- Prenatal and postpartum care
- Rate of screening for pregnancy risk

PATIENT AND PROVIDER SATISFACTION

- CAHPs Survey (administered by NC DHHS vendor)
 - Composite with multiple items, including member and provider experience

SOCIAL DETERMINANTS OF HEALTH

- Rate of screening for unmet resource needs



Take Home Messages

- TP quality based on formal, nationally endorsed outcome measures
- Focus on health outcomes (endpoints) not health services (process)
- Combination of prevention—and mitigation—of chronic disease
- Not just behavioral health—heavily “physical” health
 - *Dorothy, we’re not in Kansas anymore*



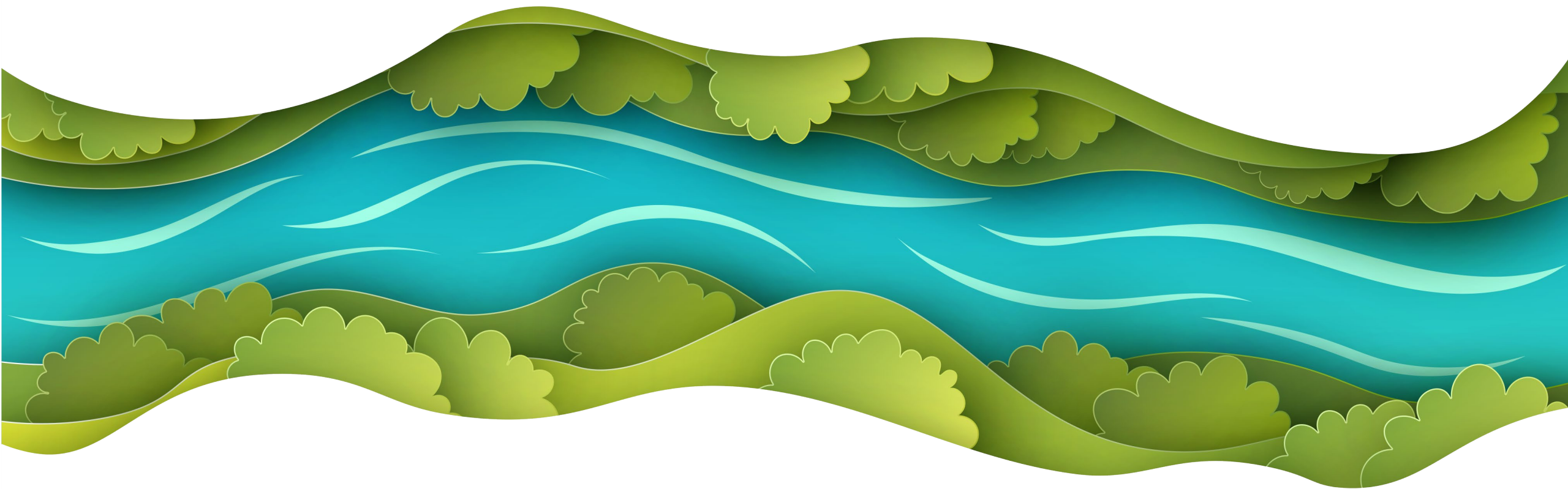
Whole Health is....

Beyond/Before Illness - When

Beyond Clinical Treatment for Diagnosed Illness – What/How







PRIMARY PREVENTION

Repair the bridge



SECONDARY PREVENTION

Build a raft,
prevent drowning



TERTIARY PREVENTION

Catch drowning people
before the waterfall

STAGE OF PREVENTION	PRIMARY	SECONDARY	TERTIARY
“River Story”	Fix Bridge Upstream, Prevent People Falling In	Pull People Out of River and Onto the Raft	Pull People Out Before They Go Over the Waterfall
Stage of Disease	None (yet)	Imminent	Established
Primary Objective	Disease Avoidance	Early Detection	Minimize Damage Slow Progression
Intervention Tools	Routine Screening Wellness Resources/Edu. Health Policy	More Assessment Coaching Health Education Reduce Risk Factors	Diagnosis Treatment Plan Medication Care Management Specialist Referrals
Examples of Vaya/PHP Roles	Rallies, Health Fairs Educational Resources Prevention Policies	Encourage Providers to Screen Care Mgmt/Call Center – Screening, Referrals, etc.	Authorize Care/UM Ensure Fidelity to Model Support Integrated Care Complex Care Mgmt

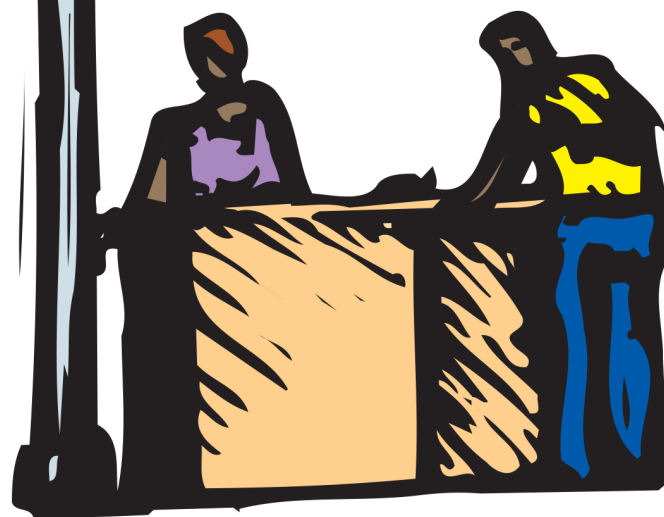


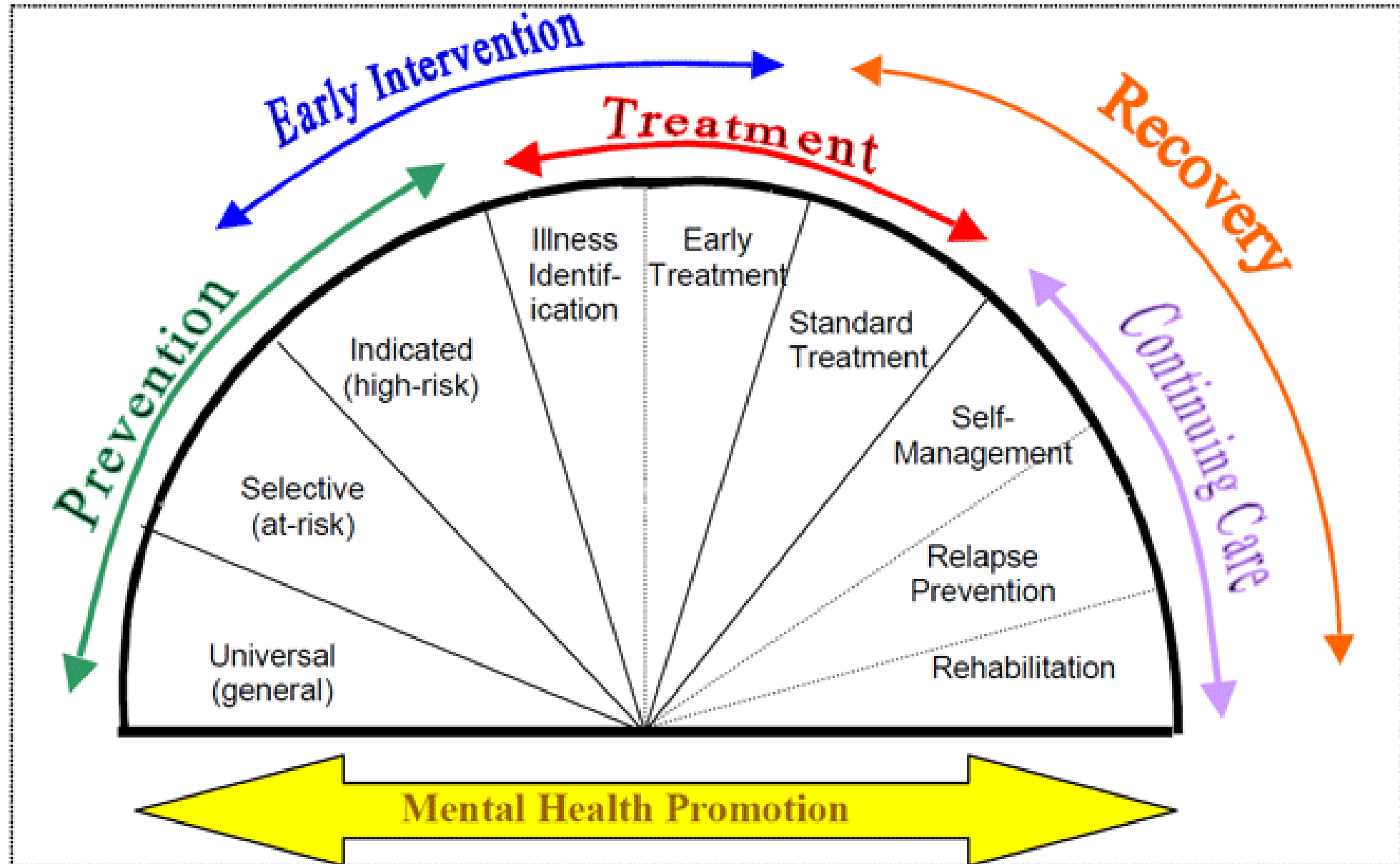
BLOOD
PRESSURE

STRESS MGT.

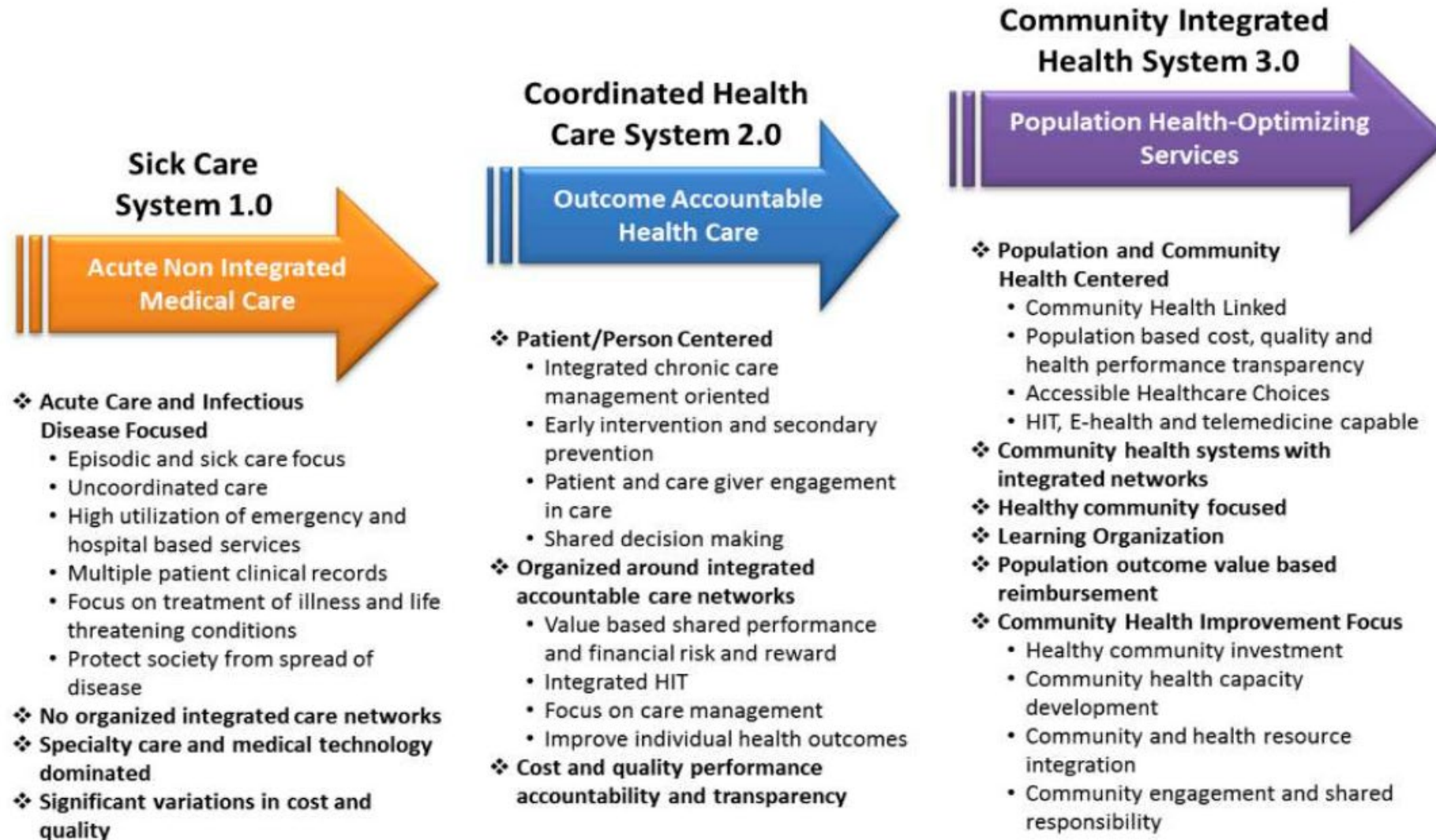
WEIGHT

CHOLESTEROL





Health System Transformation Critical Path



Source: Adapted from CMMI



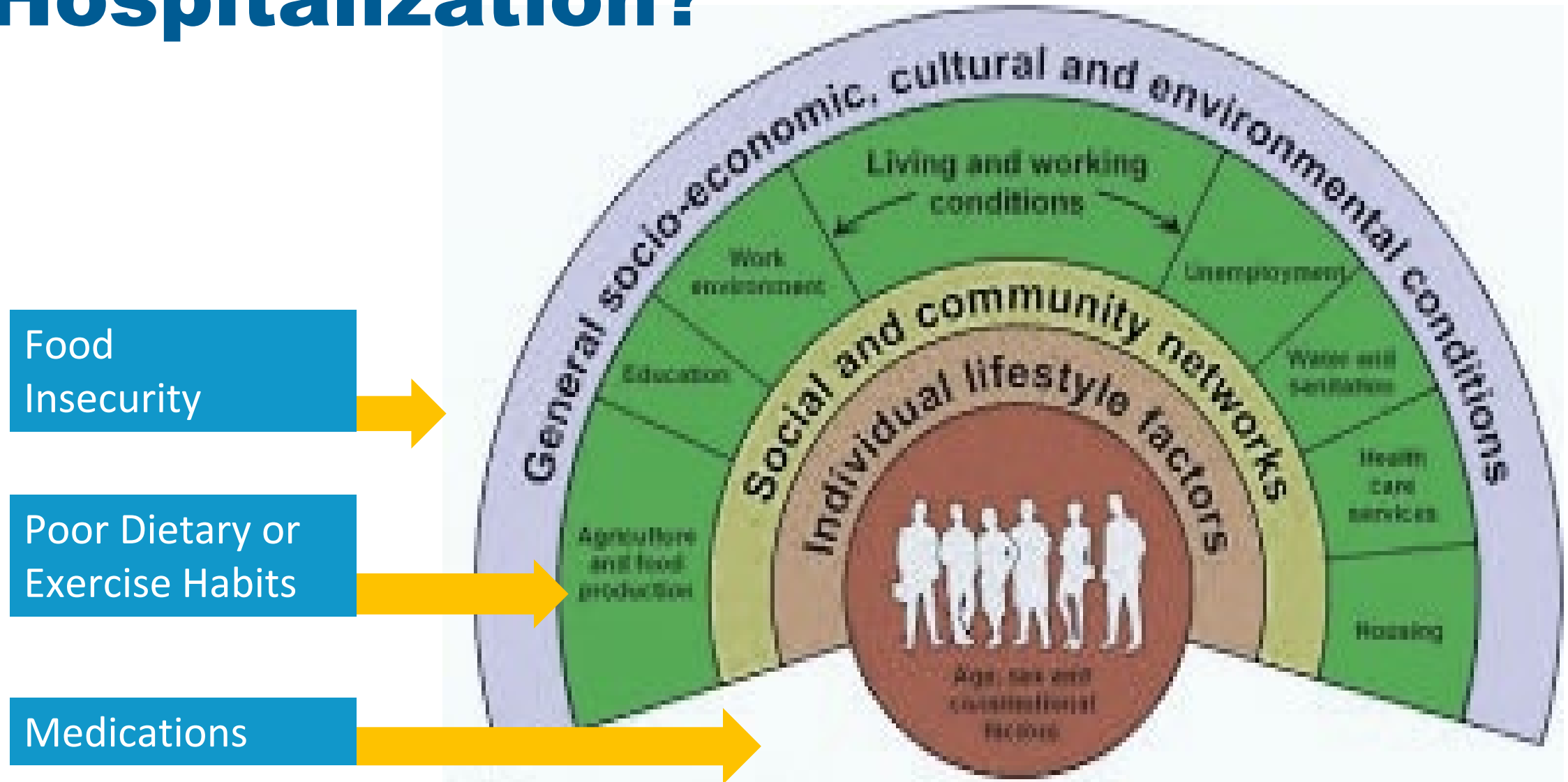
Let's Start with a Case Study

- Mr. M – 51, father of two, Type II diabetes Last HbA1c = 8.2. BMI: 29
- Medications:
 - Metformin 1000mg po bid
 - Glipizide 10mg po bid
 - No known problems with medication adherence.
- At the end of last month, he was extremely dizzy, nearly fainted and was hospitalized
- Diagnosis: Hypoglycemia



**So, what could have led to
Mr. M's hospitalization?**

What Could Have Led to Mr. M's Hospitalization?





Food Insecurity and Diabetes

- Food insecurity reflects the inability to access food because of inadequate finances or other resources
 - Hunger is related as an individual – level physical sensation
 - One in seven Americans cannot reliably afford food
- **The risk of diabetes is about 3X higher in very food-insecure households** compared to food-secure households, after accounting for differences in socioeconomic status and obesity



Food insecurity is a driver of preventable, high-cost healthcare utilization

Lower-income diabetic adults have a 27% higher rate of hospital admissions due to end-of-the month food insecurity, compared with higher-income diabetics (Health Affairs)

More than half of patients with high hospitalization rates (at least 3 inpatient visits in a 12-month period) were food insecure or marginally food secure. 75% were unable to shop for food on their own and 58% were unable to prepare their own food. (Philadelphia)

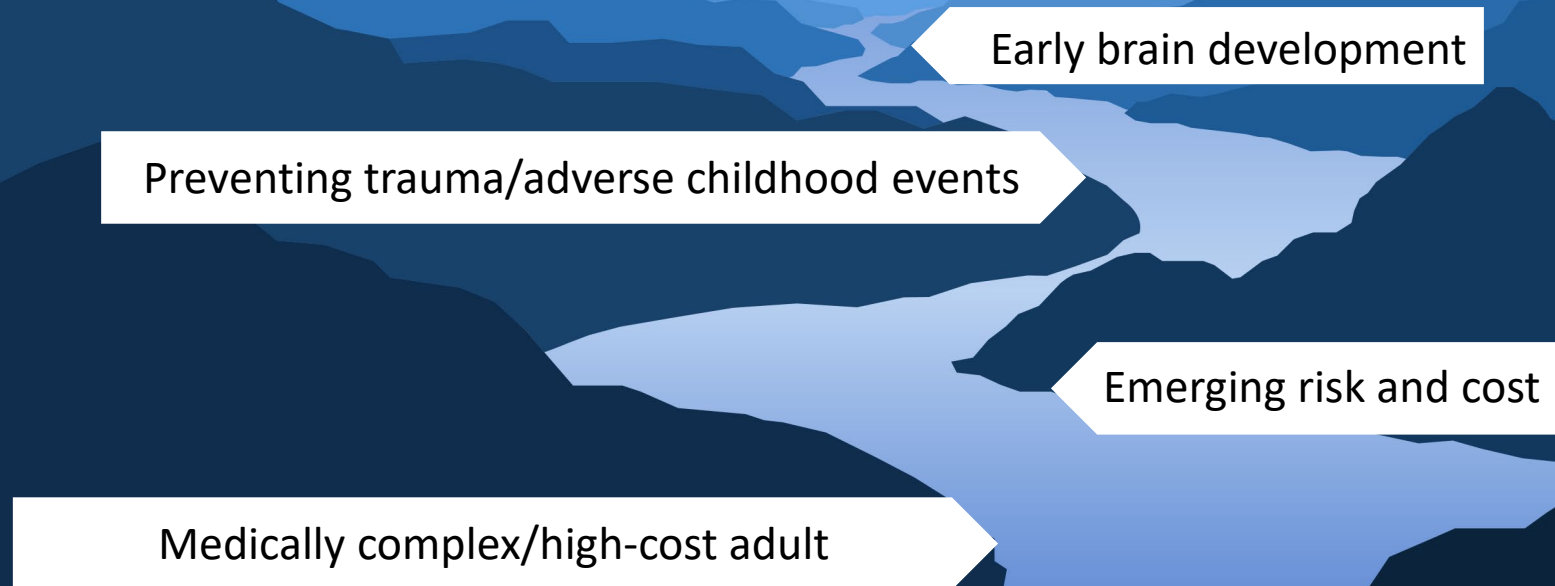
Upstream is important and an ounce of prevention is worth a pound of cure—got it.

But how does this relate to Tailored Plan?

And what does NC DHHS think about all of this?



Intervening Upstream, Preventing Illness Downstream



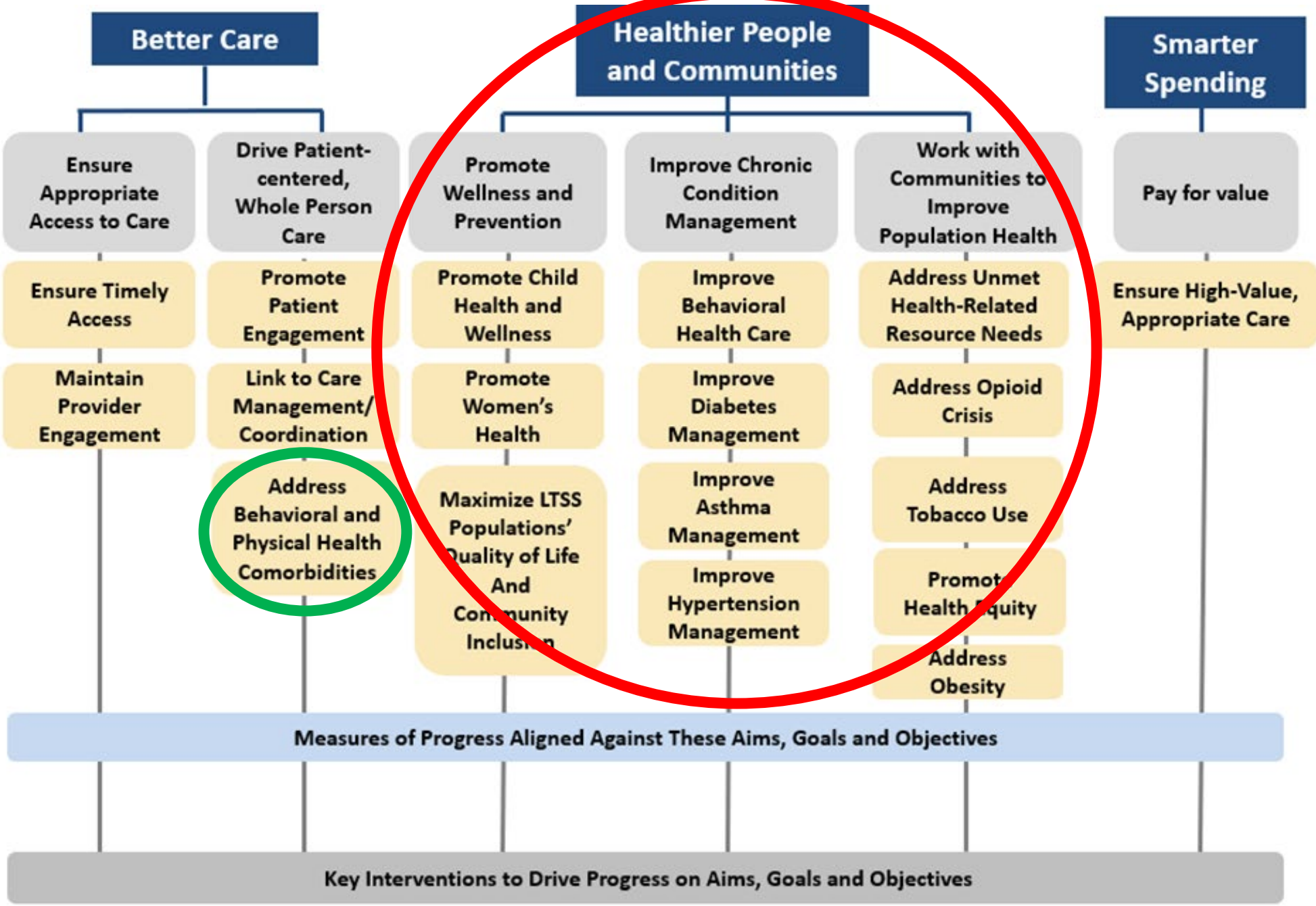


Aims

Goals

Objectives

Interventions Measures



Regional Hot Spots: Combined Index of 12 SDOHs

North Carolina Social Determinants of Health by Regions

About Region 1 Region 2 Region 3 Region 4 Region 5 Region 6 Region 7 Region 8 Region 9 Region 10

A story on health influences



NC Social Determinants of Health - Local Health Departments Region 1

[Food Deserts](#)

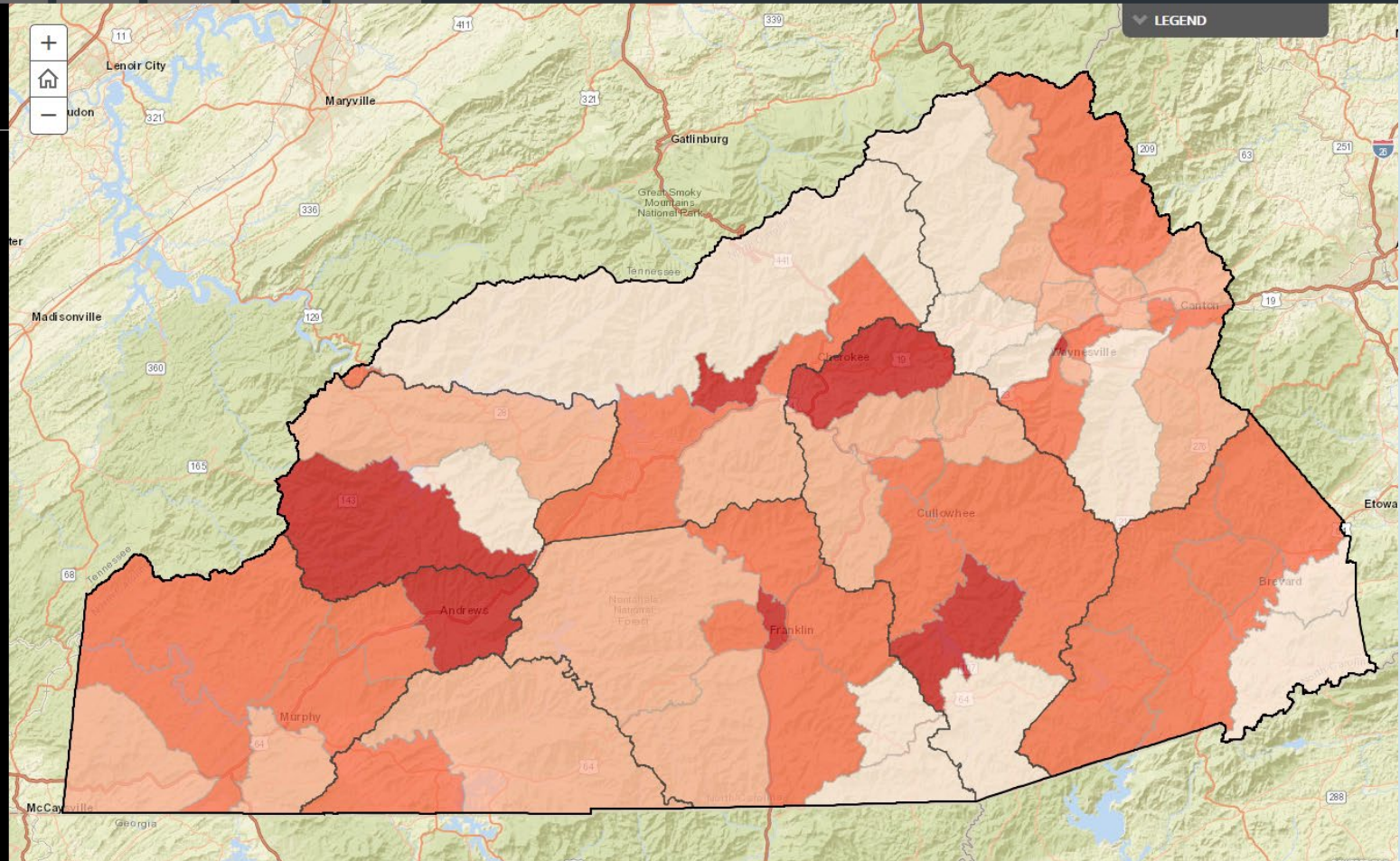
[Turn All Layers Off](#)

Putting it Together

Looking at the 12 different maps of the Social Determinants of Health (SDOH) at the same time can be difficult. By using an index, the maps can be combined into one map in order to view the indicators together. The SDOH index combines the indicators within the three domains: Social & Neighborhood Resources, Economic, and Housing & Transportation. The overall index is an average of the three domains.

Z-scores were used to create the index, which allows for standardization among all of the indicators. A z-score is a measure of how many standard deviations above or below an estimate is from an overall mean. So, the index is a metric of whether the SDOH in a census tract are above or below the regional average and by how much. High values indicate the census tracts with the highest disparities among the social determinants of health.

(1) NC Institute of Medicine. Healthy North Carolina 2020: A Better State of Health. Morrisville, NC: NC Institute of Medicine; 2011.



Take Home Messages

- Heroes include planners and bridge builders – not just waterfall rescuers
- Meeting 1115 required targets for disease prevention requires wider array of upstream approaches
- US healthcare system has been slow to adopt upstream approaches (traditional care = “sick care” aka downstream, acute care)
 - NC Medicaid Transformation is innovative – around prevention & SDOH pilots
- NC DHHS is *all in* – geo mapping & hot spotting, Healthy Opportunities Pilots, wide ranging “Prevention & Population Health” programs, etc.

Okay, so I'm hearing ideas about *when* to do things (e.g., before illness), *how* and *what* to do (e.g., address unmet resource needs not just clinical care).

But what about the *who*?

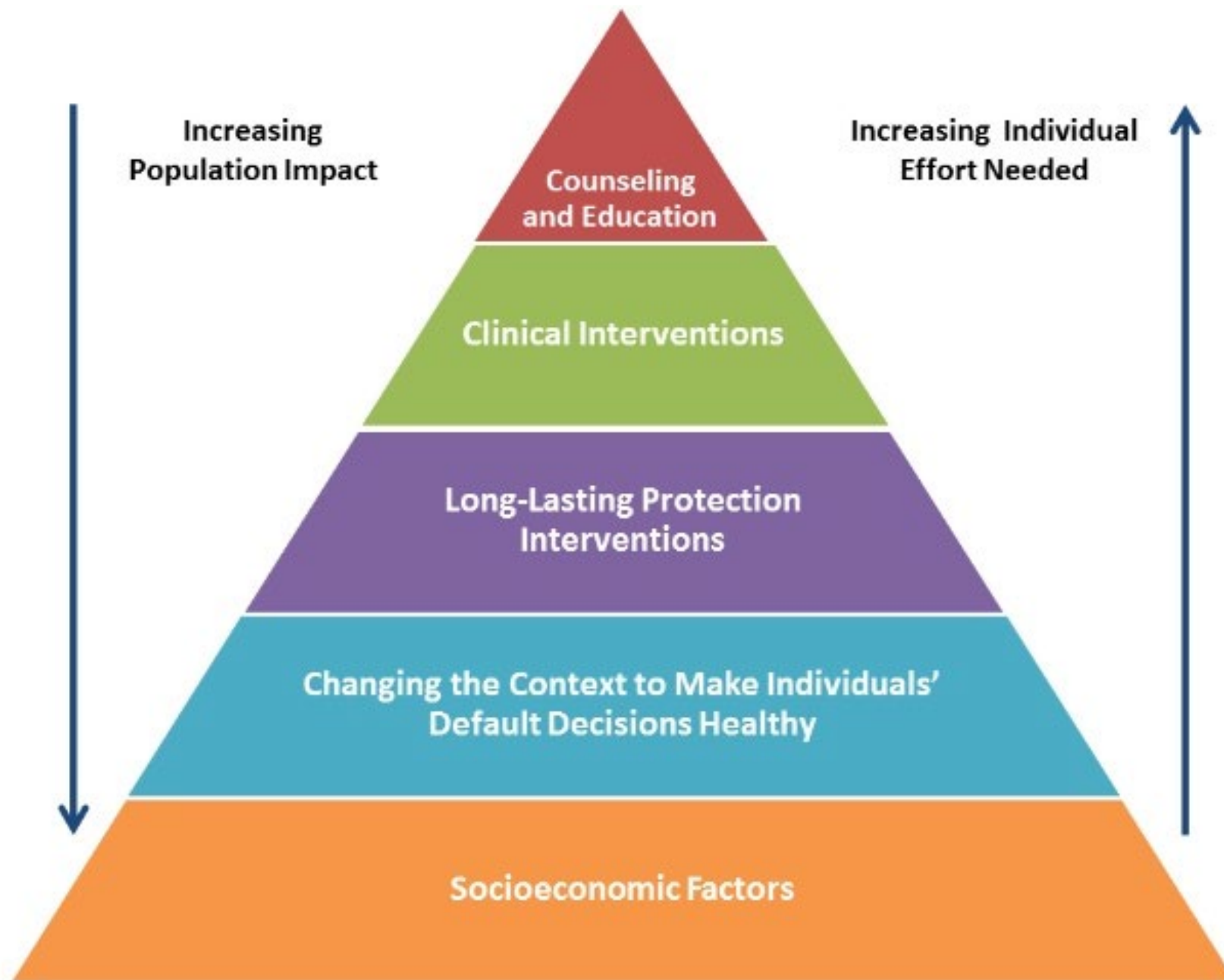


Whole Population Approaches are

Beyond the Individual – Who

Beyond What Vaya/Providers Can Do, Alone – With Whom





Population Health, Still Person Centered!

“Planning for groups, caring for individuals”

- Looking at groups – determining their needs, challenges, strengths.... all this still informs person centered, specific, tailored approaches.
- It just helps organizations and teams marshal resources, clarify priorities, build programs/resources, increase ROI, and streamline efforts.
- One care team should not (!) have to become experts on everything. For example, you can't put an expert diabetes educator on every care team.





Let's Match Them Up!

- Accessibility and affordability of mammography facilities/services
- Friends and relatives affected by breast cancer
- Mammogram screening recommendations
- Knowledge of breast cancer risk factors
- Community programs to promote cancer screening for women over 50 from all backgrounds



LEVELS OF PREVENTION

Whole population
through public health
policy

PRIMORDIAL PREVENTION

establish or maintain
conditions to minimise
hazards to health

Advocacy for social
change to make physical
activity easier

Whole population
selected groups and
healthy individuals

PRIMARY PREVENTION

prevent disease well
before it develops
Reduce risk factors

Primary care advice
as part of routine
consultation

Selected individuals
with high risk patients

SECONDARY PREVENTION

early detection of disease
(e.g. Screening &
Intervention for
Pre diabetes)

e.g. primary care risk
factor reduction for
those at risk of chronic
disease, falls, injury

Patients

TERTIARY PREVENTION

treat established
disease to prevent
deterioration

e.g. exercise advice
as part of cardiac
rehabilitation



Preventing ACEs

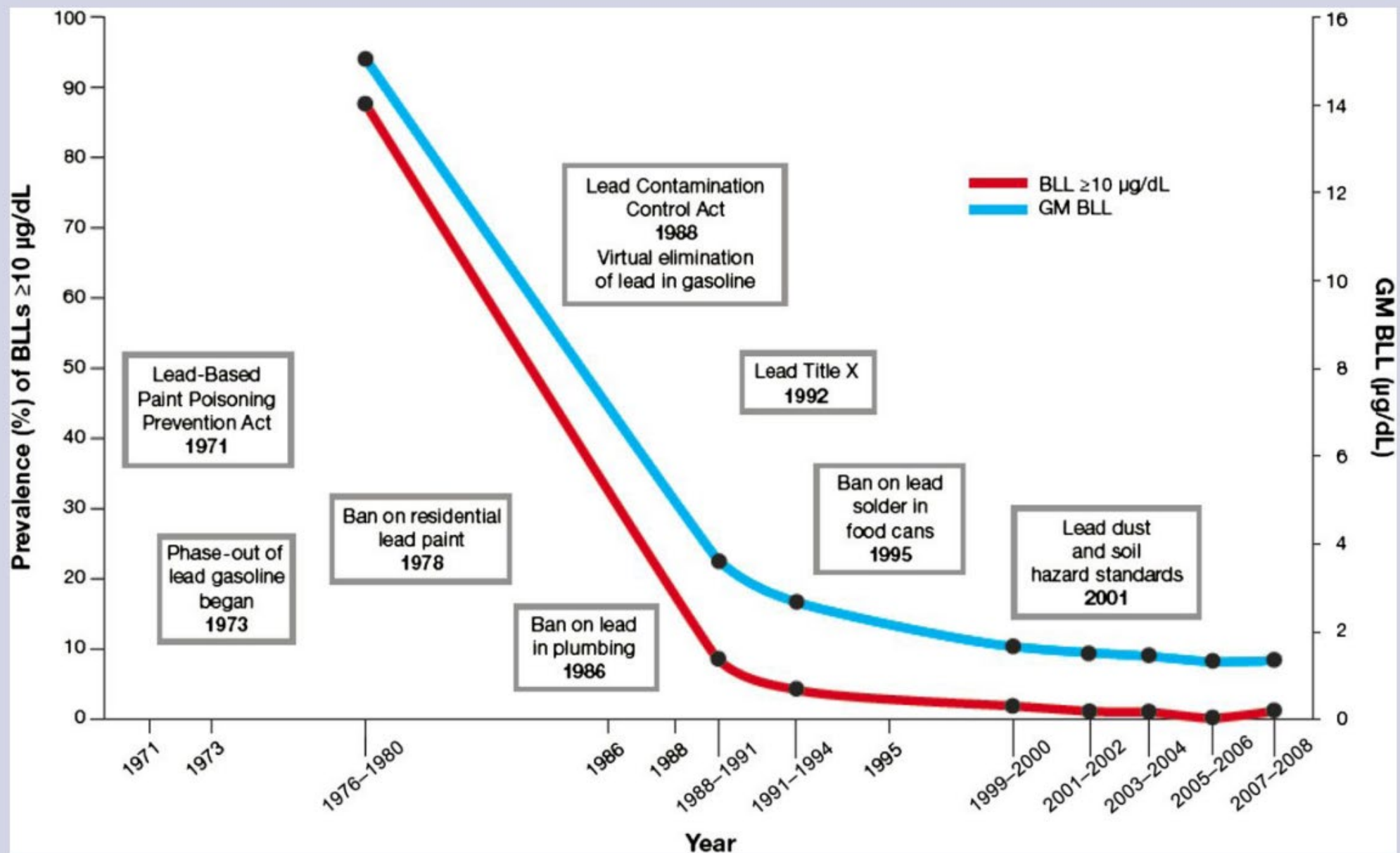
Strategy	Approach
Strengthen economic supports to families	<ul style="list-style-type: none">• Strengthening household financial security• Family-friendly work policies
Promote social norms that protect against violence and adversity	<ul style="list-style-type: none">• Public education campaigns• Legislative approaches to reduce corporal punishment• Bystander approaches• Men and boys as allies in prevention
Ensure a strong start for children	<ul style="list-style-type: none">• Early childhood home visitation• High-quality child care• Preschool enrichment with family engagement
Teach skills	<ul style="list-style-type: none">• Social-emotional learning• Safe dating and healthy relationship skill programs• Parenting skills and family relationship approaches
Connect youth to caring adults and activities	<ul style="list-style-type: none">• Mentoring programs• After-school programs
Intervene to lessen immediate and long-term harms	<ul style="list-style-type: none">• Enhanced primary care• Victim-centered services• Treatment to lessen the harms of ACEs• Treatment to prevent problem behavior and future involvement in violence• Family-centered treatment for substance use disorders

Public Health





to improve health for everyone





School

SHELTER

SENIORS

CLINIC



salon

DEPARTMENT of
HEALTH



JAIL



PARKS



IN-HOME



Health
in the
Community



Community
Center



HOSPITAL

ER



Mental
Health
Clinic



Dentist



FAITH-BASED
ORGANIZATIONS

Questions to Ponder

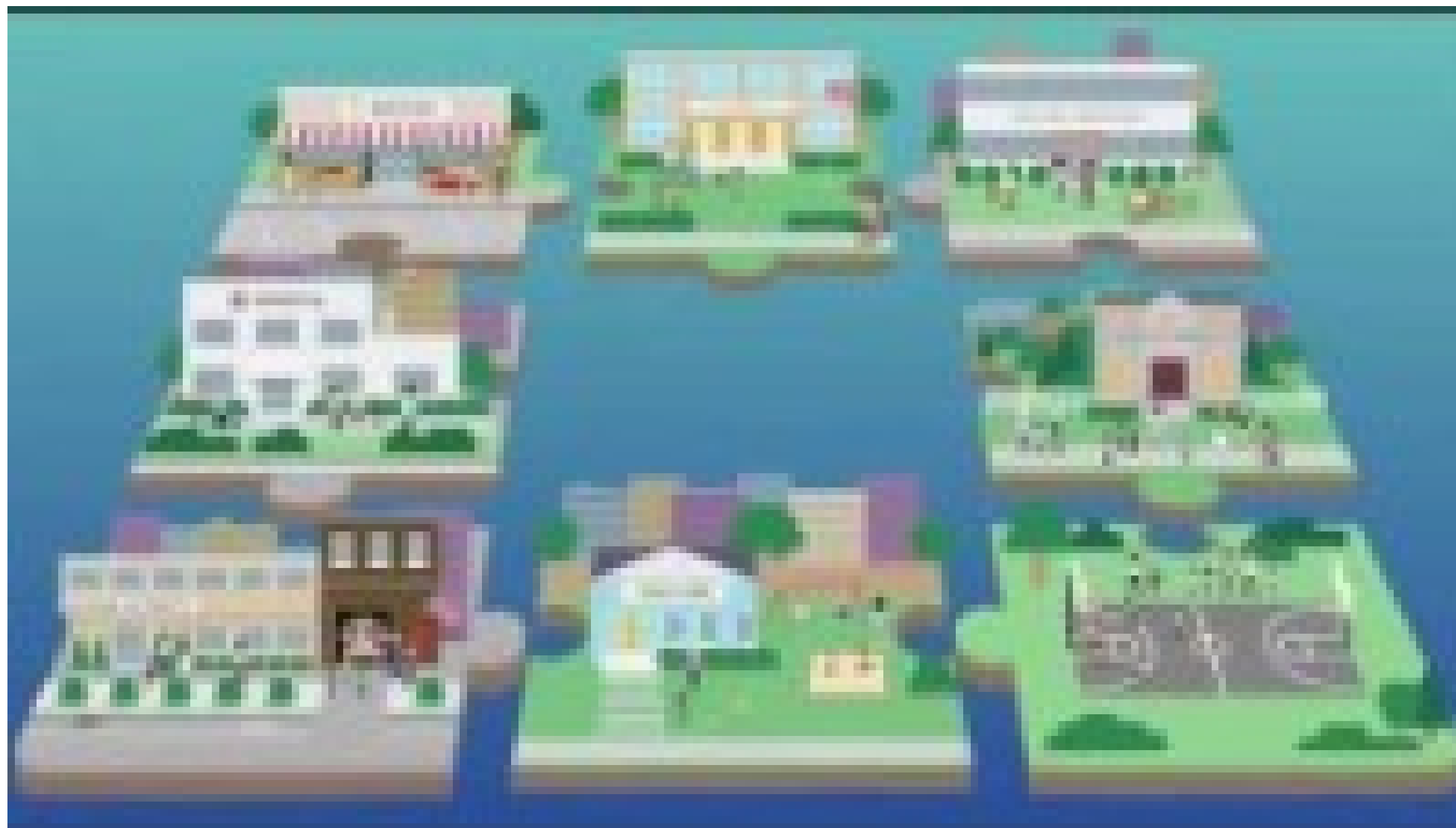
- How do we think bigger?
 - How can we better understand Community Health, Public Health and Population Health - and our partners in these fields?
- How do we “act” bigger?
 - How do we diversify and grow our interventions and actions?
 - How do we widen and deepen our partnerships?
 - We can’t do this alone!

**This is a little overwhelming—
definitely more than we can do
alone.**

Who do we partner with?

**How do we reach agreement on
priorities?**

On how to tackle issues?





Gaining Agreement on Priorities

Burden

- How much does this issue affect health in the community?

Equity

- Will addressing this issue substantially benefit those *most* in need?

Impact

- Can working on this issue achieve both short-term and long-term change?

Feasibility

- Is it possible to address this issue given infrastructure, capacity, and political will?

Collaboration

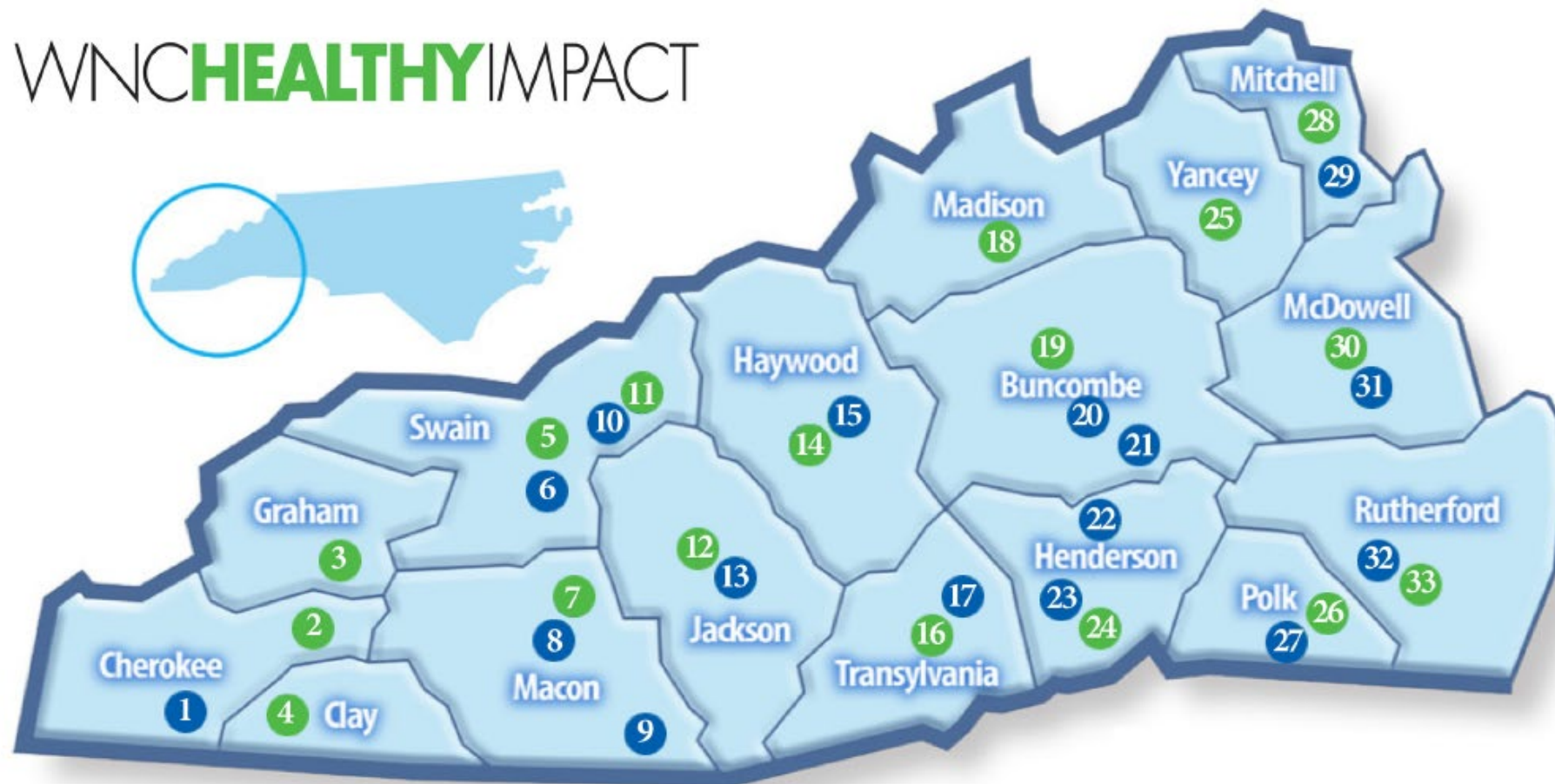
- Are there existing groups across sectors willing to work together on this issue?



Making the Case for Collaboration

- 50% Reduction in Opioid Overdoses (2004-2012)
- 78% Reduction in Drug Related Deaths (2003-2008)
- Boston Partners: Hospital, SU Coalition, Drug Court, LHDs, Social Marketing
- Interventions:
 - Campaign - anti-prescription drug overdose social marketing campaign
 - Treatment - make referrals to treatment facilities
 - Jail Diversion - offer treatment as an alternative to incarceration
 - Education - provide substance abuse curricula for children
 - Overdose Training - train local residents in the administration of Narcan (nasal naloxone) to reverse opioid overdoses

WNC HEALTHY IMPACT



- | | | | |
|--|--|---|--|
| 1 Erlanger Western Carolina Hospital | 10 Cherokee Indian Hospital | 17 Transylvania Regional Hospital | 25 Toe River Health District– Yancey |
| 2 Cherokee County Health Dept. | 11 EBCI Public Health and Human Services | 18 Madison County Health Dept. | 26 RPM Health District– Polk |
| 3 Graham County Dept. of Public Health | 12 Jackson County Dept. of Public Health | 19 Buncombe County Health and Human Services | 27 Saint Luke's Hospital |
| 4 Clay County Health Dept. | 13 Harris Regional Hospital | 20 Mission Hospital | 28 Toe River Health District– Mitchell |
| 5 Swain County Health Dept. | 14 Haywood County Health & Human Services Agency | 21 CarePartners Health Services | 29 Blue Ridge Regional Hospital |
| 6 Swain Community Hospital | 15 Haywood Regional Medical Center | 22 AdventHealth Hendersonville | 30 RPM Health District– McDowell |
| 7 Macon County Public Health Center | 16 Transylvania Public Health | 23 Pardee UNC Health Care | 31 Mission Hospital McDowell |
| 8 Angel Medical Center | | 24 Henderson County Department of Public Health | 32 Rutherford Regional Health System |
| 9 Highlands-Cashiers Hospital | | | 33 RPM Health District– Rutherford |



Okay, we've reviewed when, how/what, who (groups *and* individuals) and with whom (partners).

Now, let's get down to brass tacks! How about some concrete examples?

Outcome Achievement (TP/1115 Success)

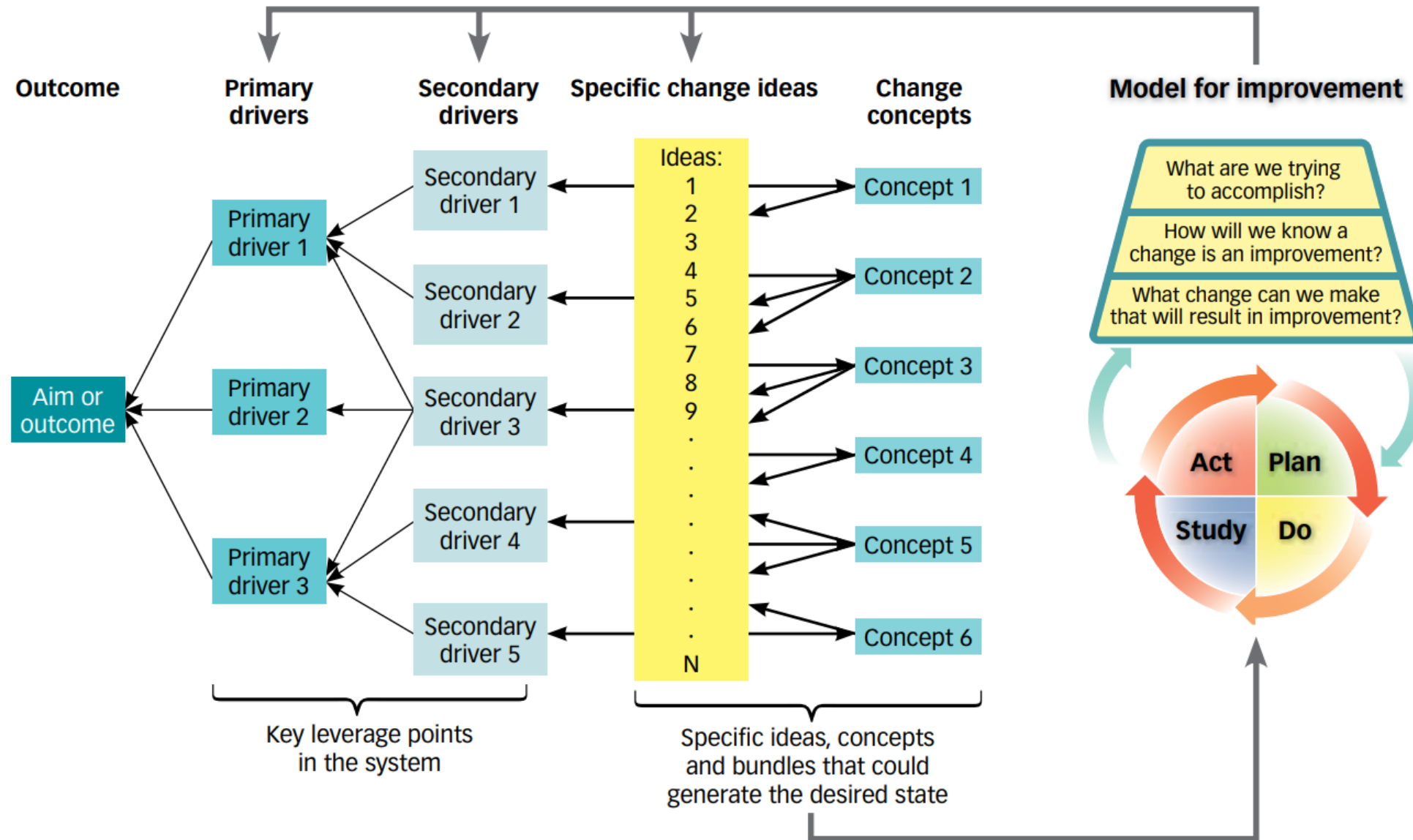
Key Driver Maps – a Roadmap to Match Outcomes with Interventions and Key Partners
Prevention and Population Health Programs (PPHPs) – Learn Them, Love Them, Use Them
Some Key Partners, Their Tools for Outcome Success, Their Needs/How We Can Help



Designing a Roadmap to Successfully Achieve Each TP Outcome

- Work backward from the desired endpoints (start with your destination)
- Move from outcome (success indicator) to broad interventions and programs to concrete workflows (who does what, with whom, how, how much, by when)
- Clarify what (really) leads to what
 - “Key driver maps”
 - High value, evidence-based approaches
 - Best return on investment (ROI)
 - Multi-faceted, multi-level, multi-partner, multi-setting

Driver diagram informs testing, testing refines theory / FIGURE 3



Controlling High Blood Pressure (Hypertension, aka HTN)

Definition

- The percentage of members 18–85 years of age who had a diagnosis of hypertension (HTN) and whose BP was adequately controlled (<140/90 mm Hg)

Measure Type

- Outcome

NQF Number and Measure Steward

- National Quality Forum# 0018
- Measure Steward: NCQA

Key Driver Map: All the Partners



SMART Aim
Meet benchmark goal percentage of adults with high blood pressure, whose BP was adequately controlled (in a healthy range).

Goals
CDC: 80% by 2025
NC DHHS (TBD)

Performance
61% (2019),
Medicaid HMOs

Key Partners (Examples)

Providers & Practitioners

Care Management (Plan/PHP or AMH+/CMA)

PHPs (Vaya, etc.)

Other Partners

Members & Families

Key Functions (Examples)

Assess, Treat, Refer to Specialists, Coordinate with Care Team & CM

Assess, Screen, Develop Care Plan, Identify Care Gaps, Referrals (SDOH, etc.), Transitions, Etc.

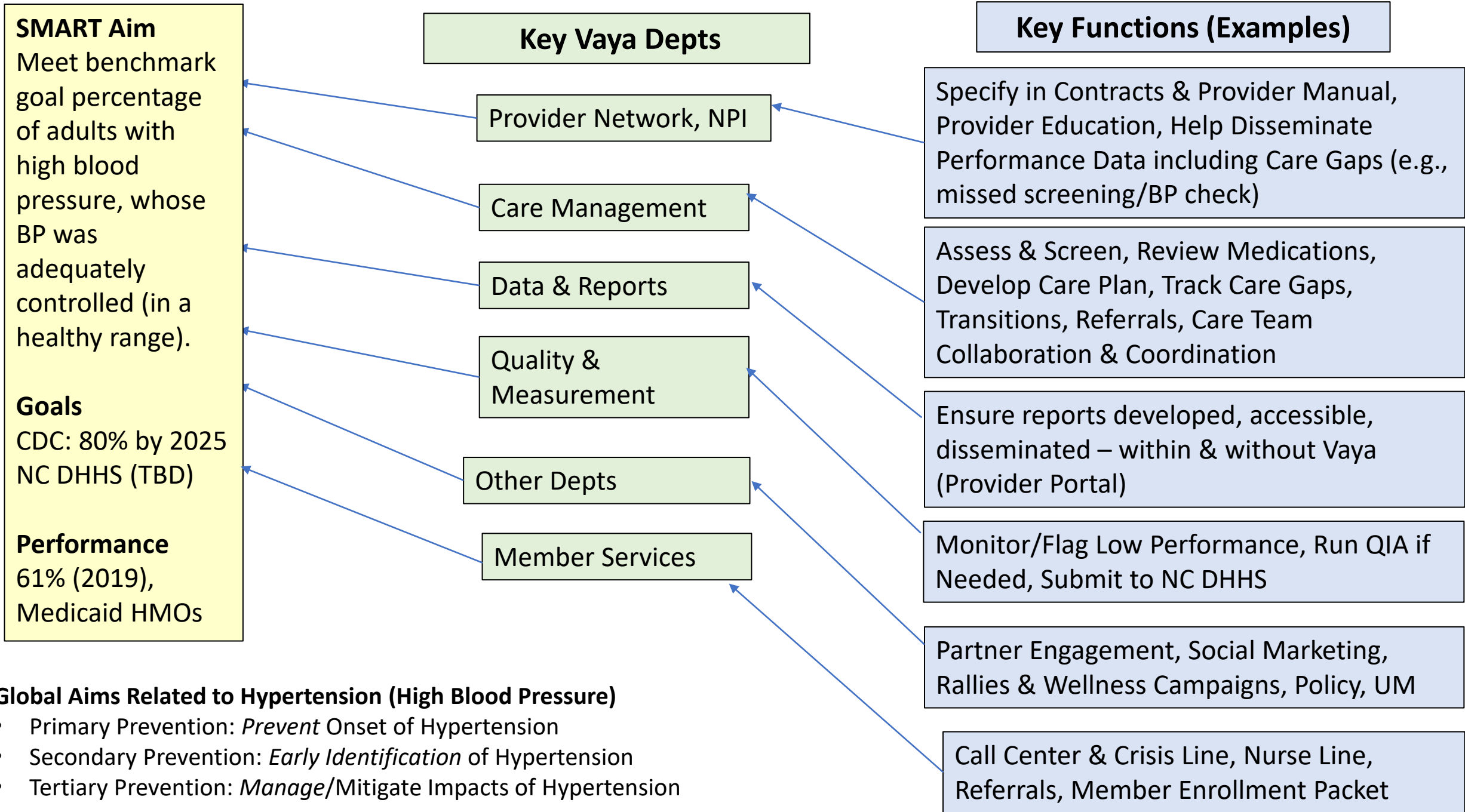
Educate & Incentivize (Providers, AMH+/CMA)
Maintain Network
Provide Data & Information
Quality Oversight
Overall Coordination of Care
Medicaid Health Home Functions

CBOs - Accept Referrals & Address SDOHs, LHDs, Health Education & Promotion, Schools, Faith Based, Parks & Rec, Govt., etc.

Self-Management, Advocacy, Shared Decision Making, Engagement in Care

- Global Aims Related to Hypertension (High Blood Pressure)**
- Primary Prevention: *Prevent* Onset of Hypertension
 - Secondary Prevention: *Early Identification* of Hypertension
 - Tertiary Prevention: *Manage/Mitigate* Impacts of Hypertension

Key Driver Map: Vaya/PHP Functions



Key Driver Map: Care Management Functions



SMART Aim

Meet benchmark goal percentage of adults with high blood pressure, whose BP was adequately controlled (in a healthy range).

Goals

CDC: 80% by 2025
NC DHHS (TBD)

Performance

61% (2019),
Medicaid HMOs

Overall Care Mgmt Functions

Identification of Members
Screening, Assessment

Care Plan & Goals

Monitoring Care, Care
Gaps (PCP visits? BP tests?)

Referrals & Transitions

Monitoring & Reports

Medication – Reconciliation,
Monitoring, Adherence

HTN Related Tasks - Examples

Identify members through claims data, pharmacy/Rx data, comprehensive assessment

Custom HTN goals related to self-management skills, health education (RN), nutrition, exercise, salt intake, medical visits

Communication with Member/Care Team

Cardiology? HTN/CVD inpatient/rehab?

-CM Workflows Followed?
-Clinical Care Received?
-Health Status - most recent BP?

Identify HTN Rx, Track, PBM & Prescribers

Hypertension Outcome Achievement: Big Dreams and Expectations

Through these collective interventions, we hope to:

- Prevent/arrest cardiovascular damage
- Reduce the incidence of
 - Stroke
 - Ischemic heart disease
 - Heart failure
 - End stage renal disease
- Increase the numbers of members with blood pressure checks and medication adherence

Prevention and Population Health Programs (PPHPs)

These Match the Priority Conditions/Health Domains for TP/1115

Required Part of Each Region's/PHP's Strategy for Tailored Plan

PPHPs – Learn Them, Love Them, Use Them

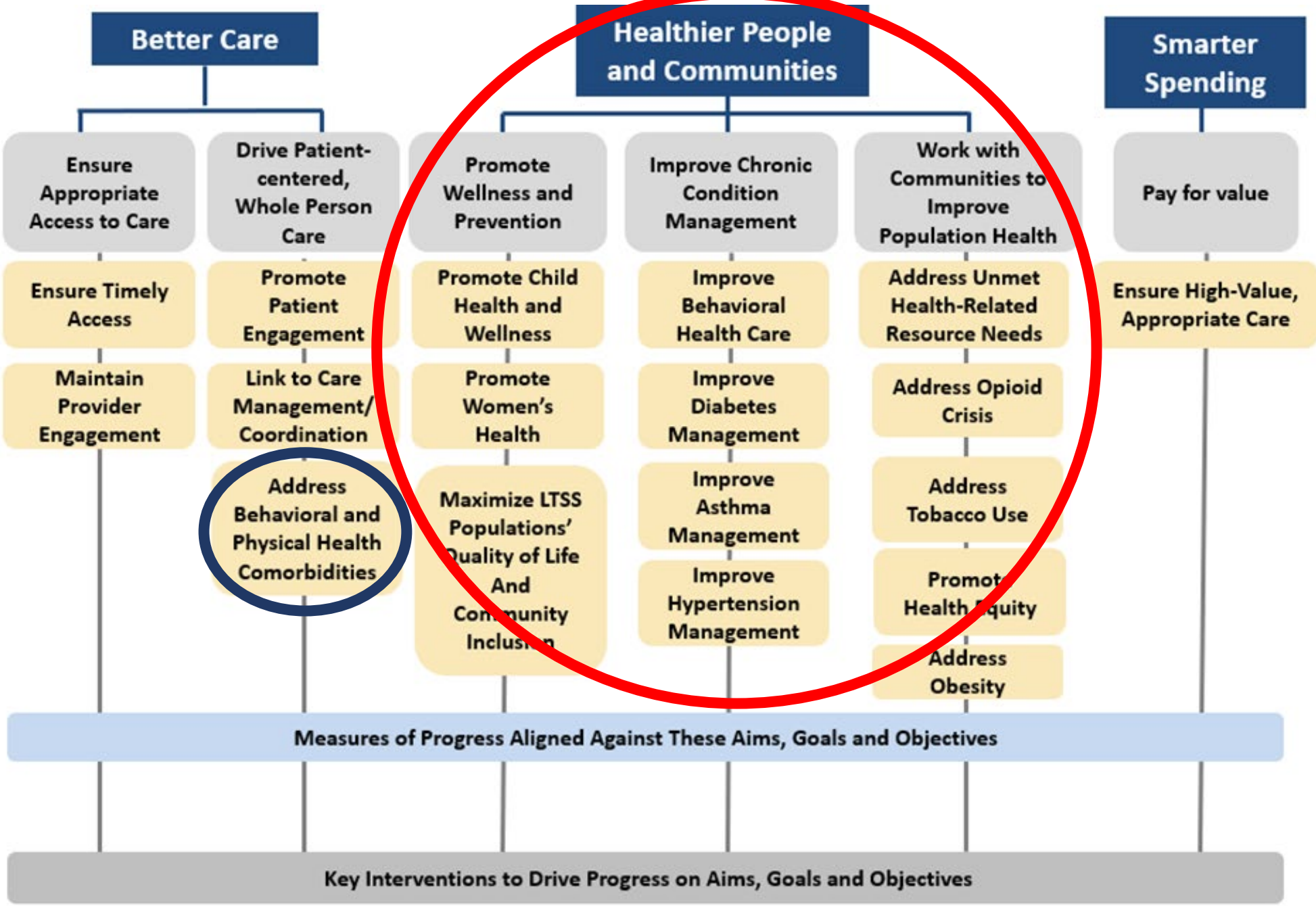


Aims

Goals

Objectives

Interventions Measures



Each Program Has Three (3) Levels of Interventions

System/Community
Clinical/Care Team
Individual/Member

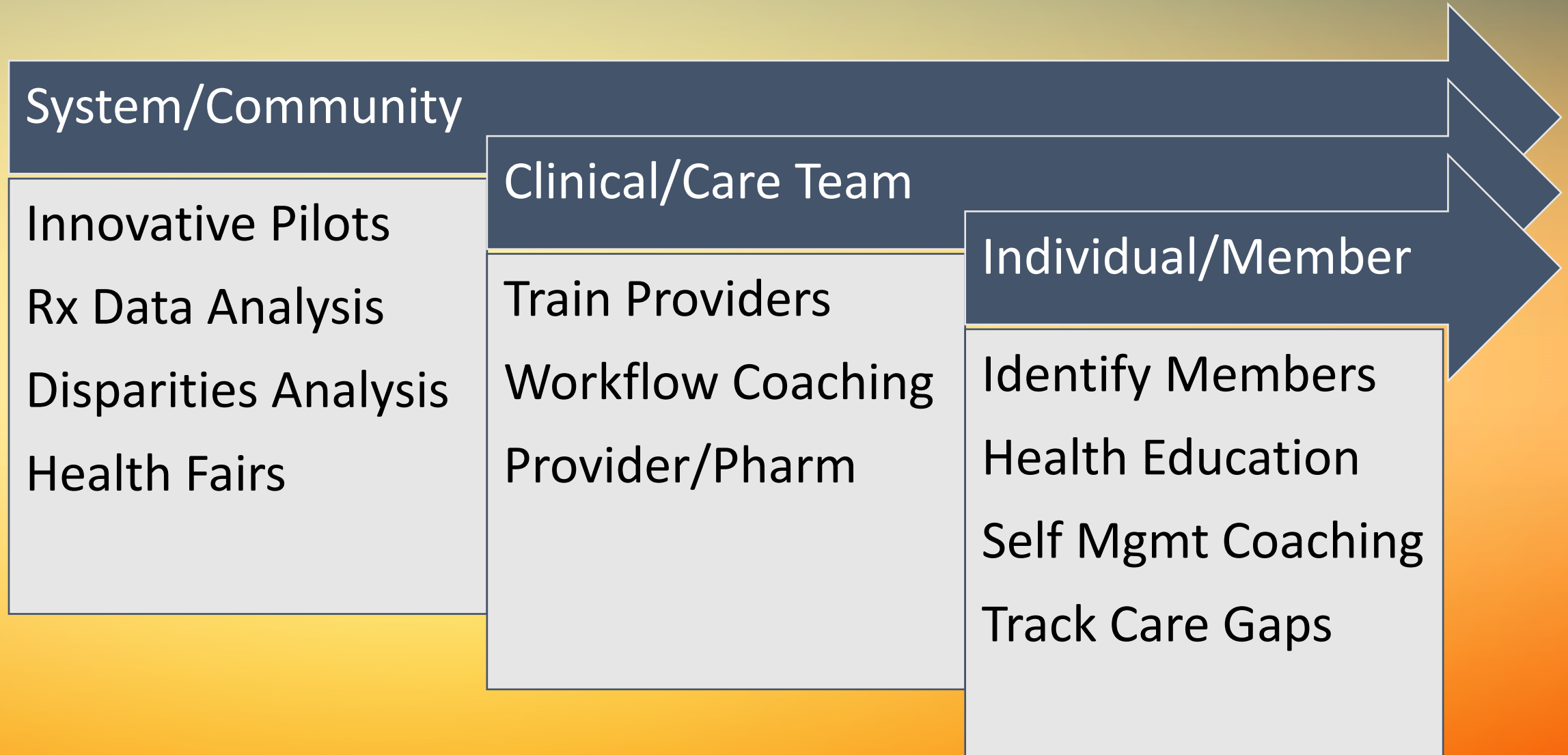
Programs


- Diabetes Prevention
- Diabetes Management
- Asthma
- Obesity
- Hypertension (High Blood Pressure)
- Tobacco Cessation
- Pregnancy Intendedness
- Infant Mortality/Low Birth Weight
- Early Childhood Health & Development
- Hepatitis C Virus (HCV)
- Etc.



Hypertension/HTN Program

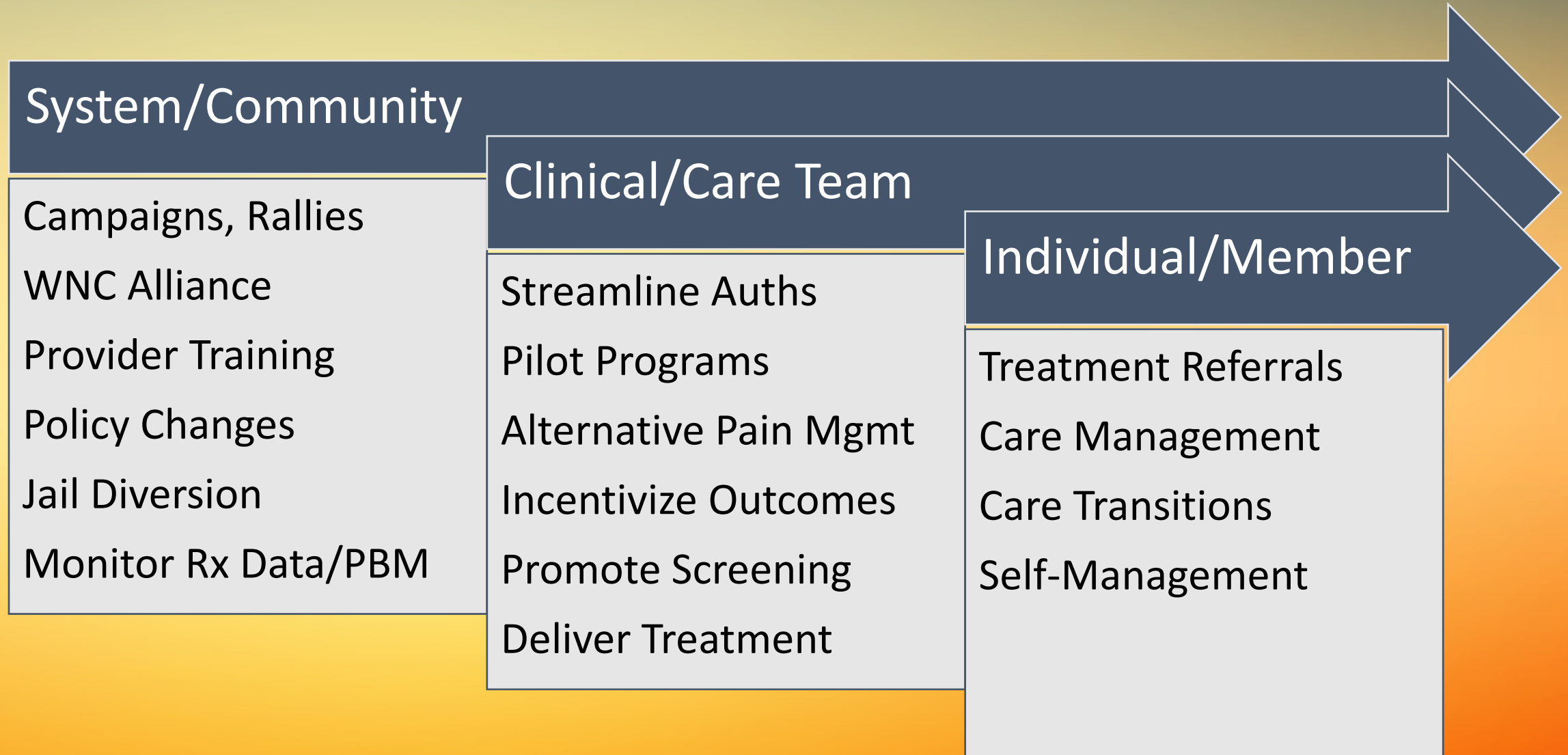
(Intervention Examples)





Opioid Prevention & Misuse

(Intervention Examples)



Special Programs and Efforts

- “Big” prevention and population health programs for Tailored Plan
 - Opioid misuse and prevention
 - Tobacco cessation
- Members with LTSS
 - Quality of life, diversion, de-institutionalization, supported living, etc.
- Addressing unmet social/resource needs
 - Screening and identification
 - Referral (NCCARE 360, uniteus platform)
 - Healthy Opportunities pilots
- Reducing disparities
 - Identification of disparities
 - For each health outcome/measure
 - Setting improvement targets and goals
 - Engaging partners

Collaboration, Alignment, Synergies

- Women, Infants, and Children (WIC) program
- Newborn Screening programs
- Vaccines for Children (VFC) program
- NC Immunization Registry (NCIR)
- NC Women's Health Report Card

Key Partners

Their Tools

Their Needs

Key Driver Maps, Process Workflows, and “Change Packages”



Key Partners (a few examples)

- PCP = Primary Care Provider
 - Physicians and advanced practitioners
- AMH = Advanced Medical Home
 - Designation through NC DHHS
- PCMH = Patient Centered Medical Home
 - Recognition through NCQA
- LHD = Local Health Department
- CBO = Community Based Organization
- AHEC = Area Health Education Center
 - MAHEC = Mountain Area Health Education Center

Let's Be Good Neighbors

PCPs/AMHs

- They know the big outcome measures VERY well – in most cases, much better than PHPs or MH/SU/IDD providers
- Through EHR adoption (years ago!) and various public (Medicare, ACO) and private payer (e.g., BCBS) initiatives, they are used to monitoring outcomes, pay for value, mapping workflows, process improvement
- AHECs play a big role in teaching, training, and quality improvement with AMHs across NC

Local Health Departments

- The essence of community-based population health
- Most know how to work on a shoestring - and partner with everybody and their brother
- We (still) don't know, what we don't know
 - E.g., the culture, social norms, stressors, limitations, lingo for primary care practices
 - Therefore, it's probably helpful to take an attitude of attentive, respectful learner – ready to listen and hear feedback on what these providers and partners are seeking from PHPs like Vaya – or other providers, as part of the integrated care team

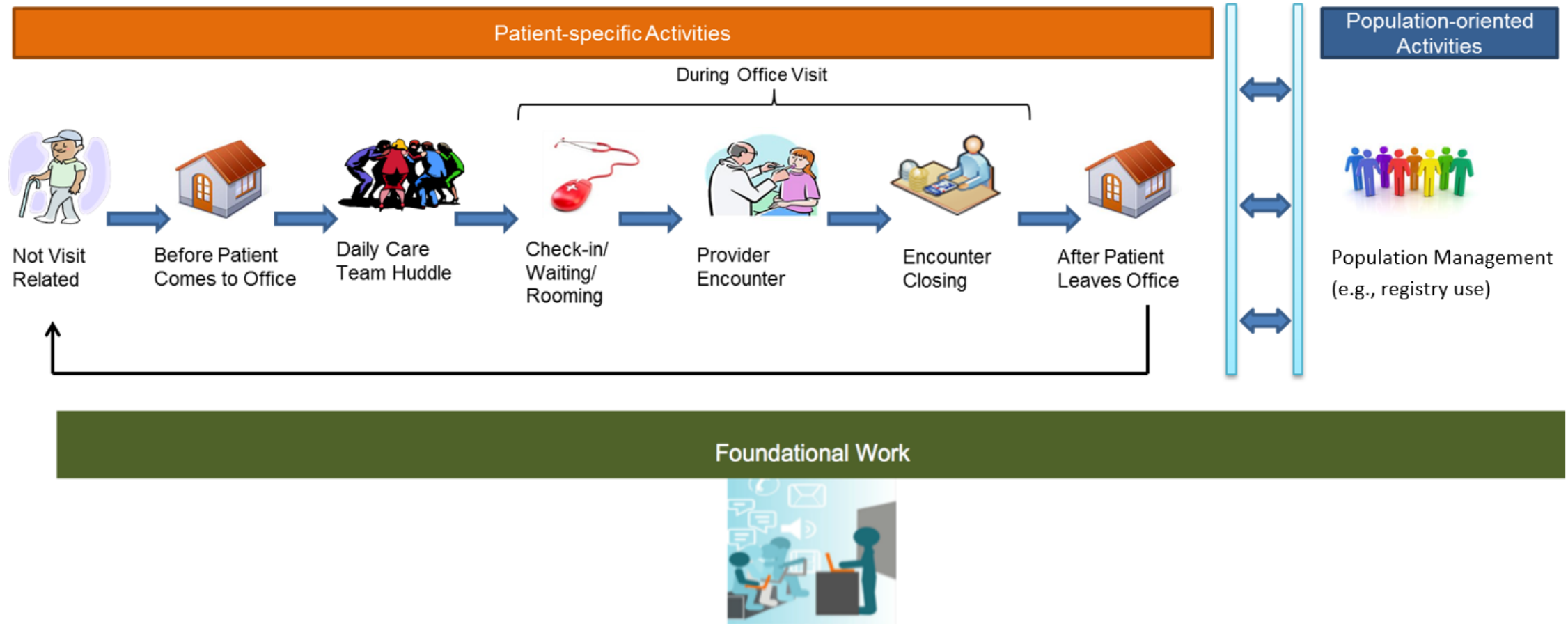
Outcome Performance Improvement

- Many excellent, existing resources for most common conditions
 - No need to reinvent the wheel!
 - Many CINs have quality improvement departments or teams, very familiar

Resources used by AMHs, CINs, quality collaboratives, etc.

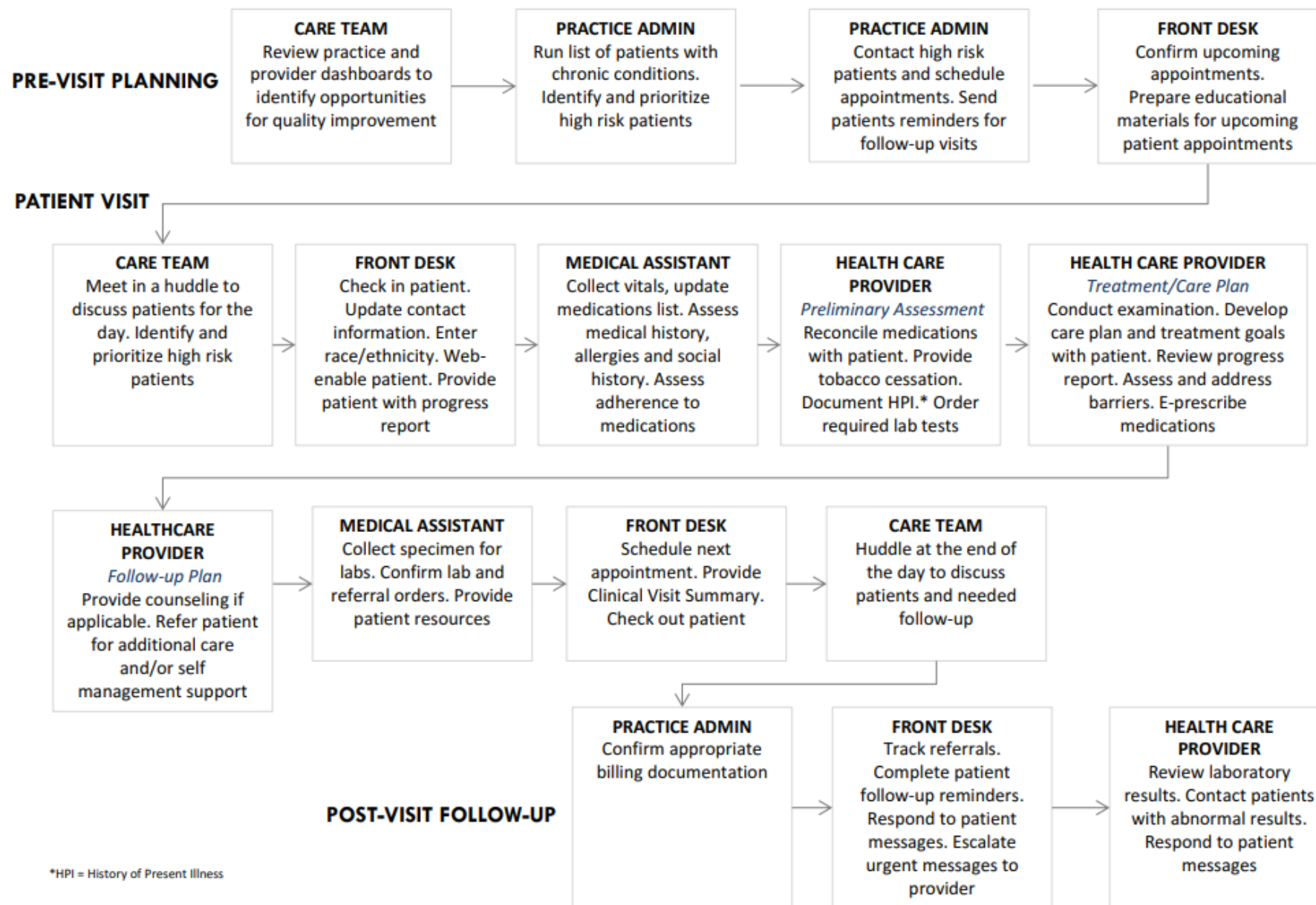
- Roadmaps and key driver maps, workflow diagrams
- Intervention guides and program plans
- “Change Packages”
 - How/what to change for improvement and outcome achievement
 - At multiple levels including individual member (patient) and whole groups (e.g., everyone with diabetes), foundational work, work before/during/after the visit)

Performance Drivers for this Target:

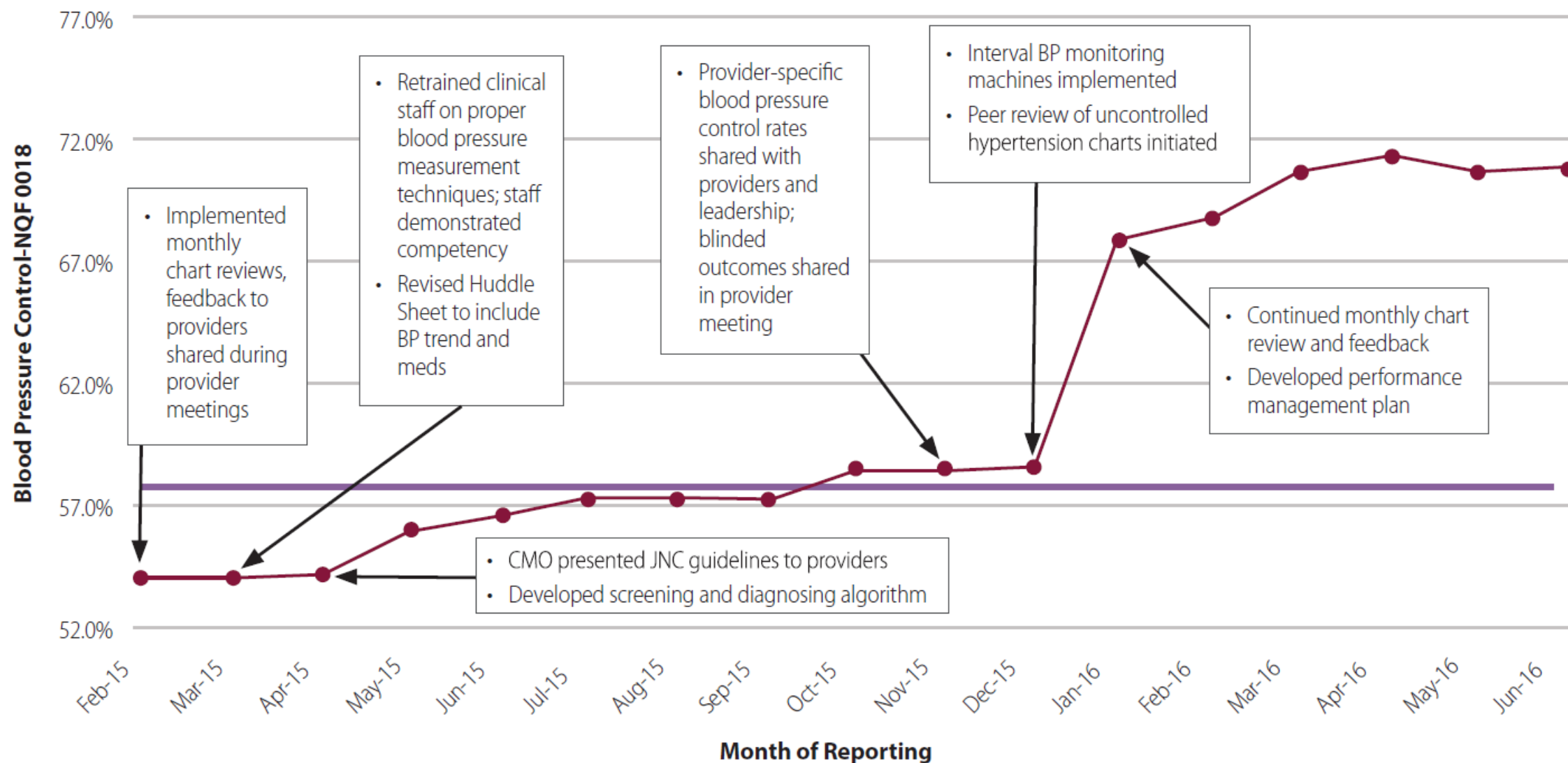


"Activities that are foundational to current patient-specific and population management activities and/or planned enhancements - e.g., staff training, policies and procedures, EHR tool development, etc."

WORKFLOW MAPPING WORKSHEET: EXAMPLE OF CHRONIC CARE BEST PRACTICE



Blood Pressure Control, Grace Community Health Center, February 2015–June 2016





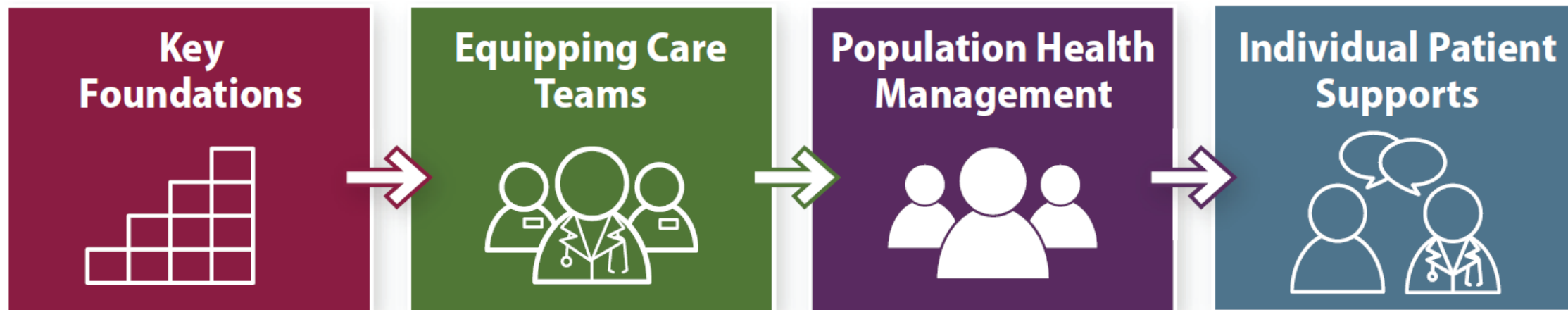
Million Hearts®

- Initiative co-led by U.S. Department of Health and Human Services, Centers for Disease Control and Prevention and Centers for Medicare & Medicaid Services
- Goal of preventing one million heart attacks and strokes by 2022



Hypertension Control Change Package — Quick Reference

Focus Areas





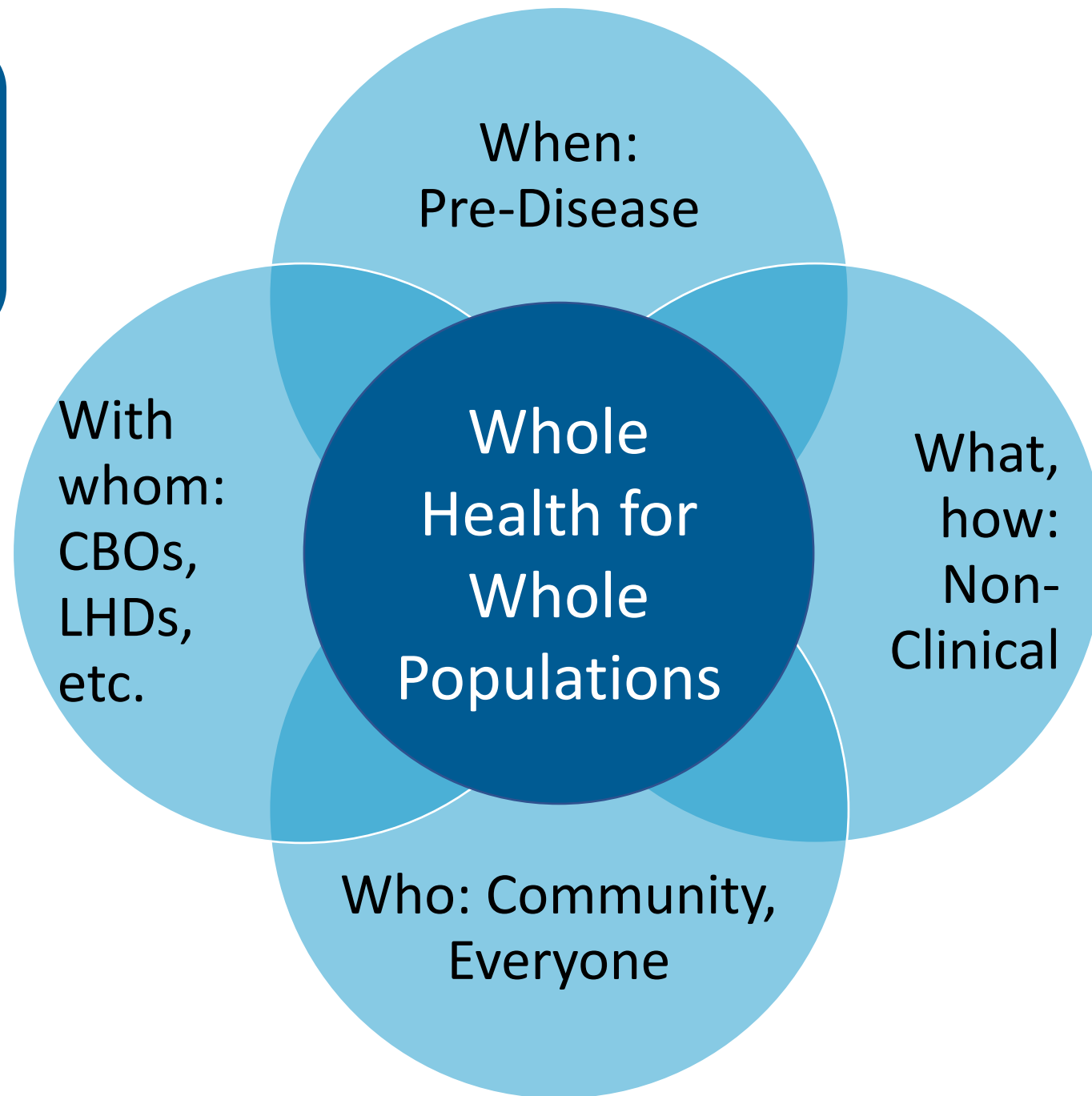
Key Foundations	Equipping Care Teams	Population Health Management	Individual Patient Supports
Make HTN Control a Practice Priority	Train and Evaluate Direct Care Staff on Accurate BP Measurement and Documenting	Identify Patients with Potentially Undiagnosed HTN	Prepare Patients Before the Office Visit via Pre-Visit Patient Outreach
Implement a Policy or Process to Address BP for Every Patient with HTN at Every Visit	Equip Direct Care Staff to Facilitate Patient Self-Management	Identify Patients with Potentially Undiagnosed CKD (chronic kidney disease)	Optimize Patient Intake to Support HTN Management (e.g., check-in, waiting, rooming)
	Establish a Self-Measured BP (SMBP) Monitoring Program	Use a Registry to Track and Manage Patients with HTN	Optimize the Patient–Clinician Encounter (e.g., documentation, orders, education/engagement)
	Prepare the Care Team Beforehand for Effective HTN Management During Office Visits (e.g., via team huddles, using EHR data)	Use Clinician-Managed Protocols for Medication Adjustments and Lifestyle Recommendations	Support Patients in HTN Self-Management During Their Routine Daily Activities (i.e., outside of the clinical encounter)
		Use Practice Data to Drive Improvement	Optimize the Encounter Closing (i.e., checkout)
			Follow Up to Monitor and Reinforce HTN Management Plans (i.e., after visits)



Key Foundations	Equipping Care Teams	Population Health Management	Individual Patient Supports
Make HTN Control a Practice Priority	Train and Evaluate Direct Care Staff on HTN Management	Identify Patients with Potentially Undiagnosed HTN	Prepare Patients Before Encounter via Pre-Visit Patient Communication
Implement a Policy or Process to Address BP for Every Patient with HTN at Every Visit	Access to Claims & Encounter Data, Pharm Data to Identify Patients	Identify Patients with Potentially Undiagnosed CKD (chronic kidney disease)	Care Mngr Help Support Patient with HTN Self Mgmt
	Establish SMBP (SMBP) Monitoring Program	Use a Registry to Track and Manage Patients with HTN	Optimize Patient In-Clinician Encounter (e.g., documentation, orders, education/engagement)
Add to Care Team: Pharmacist or Rx Consultation, Care Manager, Peer or CHW	Prepare the Care Team Beforehand for Effective HTN Management During Office Visits (e.g., via huddle, using HR data)	Use Clinician-Managed Protocols for Medication Adjustments and Lifestyle Recommendations	Support Patients in HTN Self-Management During Their Routine Daily Activities (i.e., outside of the clinical encounter)
	Provide Data – Outcome Performance, Care Gaps	Use Practice Data to Drive Improvement	Optimize the Encounter Closing (i.e., checkout)
			Follow Up to Monitor and Reinforce HTN Management Plans (i.e., after visits)



Outcome
Achievement Tools:
Key Driver Maps,
Change Packages



Whole Health is:

- Beyond the Body
 - Integrated Care: Body and Mind, Physical and MH/SU/IDD
- Beyond/Before Illness and Disease - *When*
 - Wellness, Health Promotion
 - Prevention (Primary, Secondary, Tertiary)
 - Intervening Upstream, Root Causes (e.g., Adverse Childhood Events, ACEs)
- Beyond Clinical Care and Treatment – *What and How*
 - Barriers and Needs
 - Unmet Health Related Resource Needs (Social Determinants of Health), CBO Partners, Etc.
 - Facilitating Factors and Strengths
 - Natural & Peer Supports, Community Resiliency, Life Engagement and Purpose

Whole Population Approaches are:

- Beyond the Individual – *Who*
 - Individual, family, neighborhood, community, city, state, nation, world
 - All of us/everyone - all residents/all people, potentially payer blind/agnostic
 - Public Health, Community Health, Collective Health
- Beyond What Vaya/Providers Can Do Alone – *With Whom*
 - Based on deep, wide, and diverse partnerships
 - More than MCOs/PHPs **or** associated networks of providers and practitioners
 - Non-clinical partners such as community based organizations (CBOs)
 - Different methods of communication, collaboration, coordination
 - New or changed relationships, interdependence and trust
 - Some needed partners may not be “within our network” (no formal leverage or contract)

Questions?

