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Delivering on the Promise of a Healthier Tomorrow

Implementing Data-Driven Program-Planning Strategies to Address Children's Health Equity

May 9th, 2018

A decorative graphic at the bottom of the slide consists of several overlapping, wavy bands of blue in various shades, creating a sense of movement and depth.

Intros and Overview

Who we are:

- Anna Strong
- Bolton Kirchner
- Carla Sparks

Questions we'll explore:

- How is public health is part of value-based health care
- How can hospitals plan and execute programs that measurably improve health outcomes?



Arkansas Children's



Arkansas
Children's

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Arkansas Children's Mission and Vision

Mission

- We champion children by making them better today and healthier tomorrow.

Vision

- Arkansas Children's will fundamentally transform healthcare delivery for the children of Arkansas and beyond.



Planning for the Future

- We'll always need hospitals!
- BUT: Hospitals and health systems are adopting principles that align with public health
 - Access to health care
 - Place-based initiatives (Zip Code > Genetic Code)
 - Evolving payment landscape
- Value-based care

The Challenge

How do we
— break down silos —
— change culture —
— build bridges—
for
public health and health care
to transform **health?**



Child Advocacy and Public Health

- Division formed in 2014
 - ~60 employees
 - ~50 diverse programs
 - All 75 counties
 - Countless partners across Arkansas



Child Advocacy and Public Health Purpose Statement

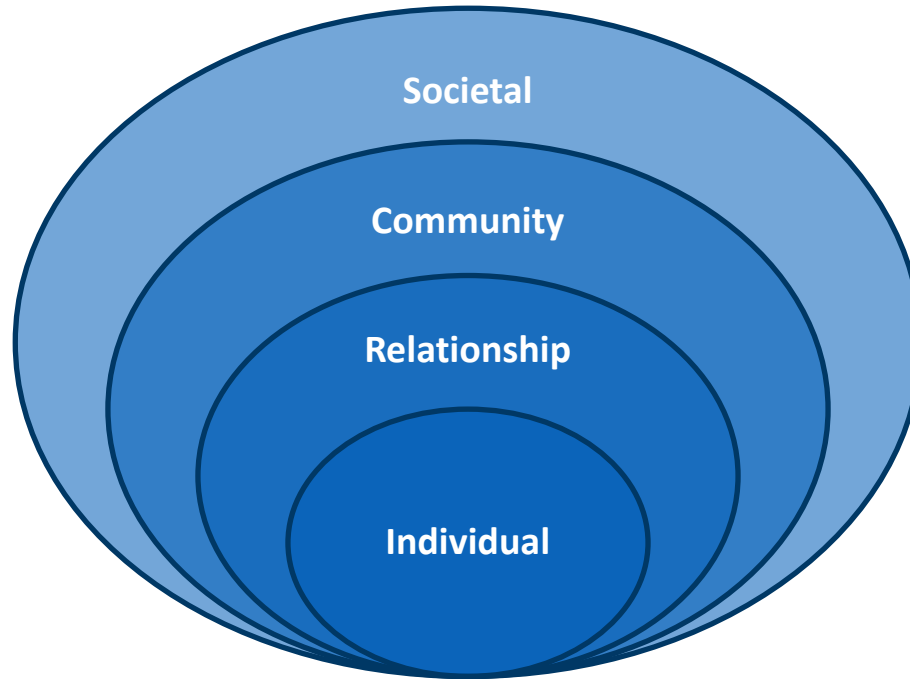
**“delivering on the promise
of a healthier tomorrow”**



Statewide Outreach

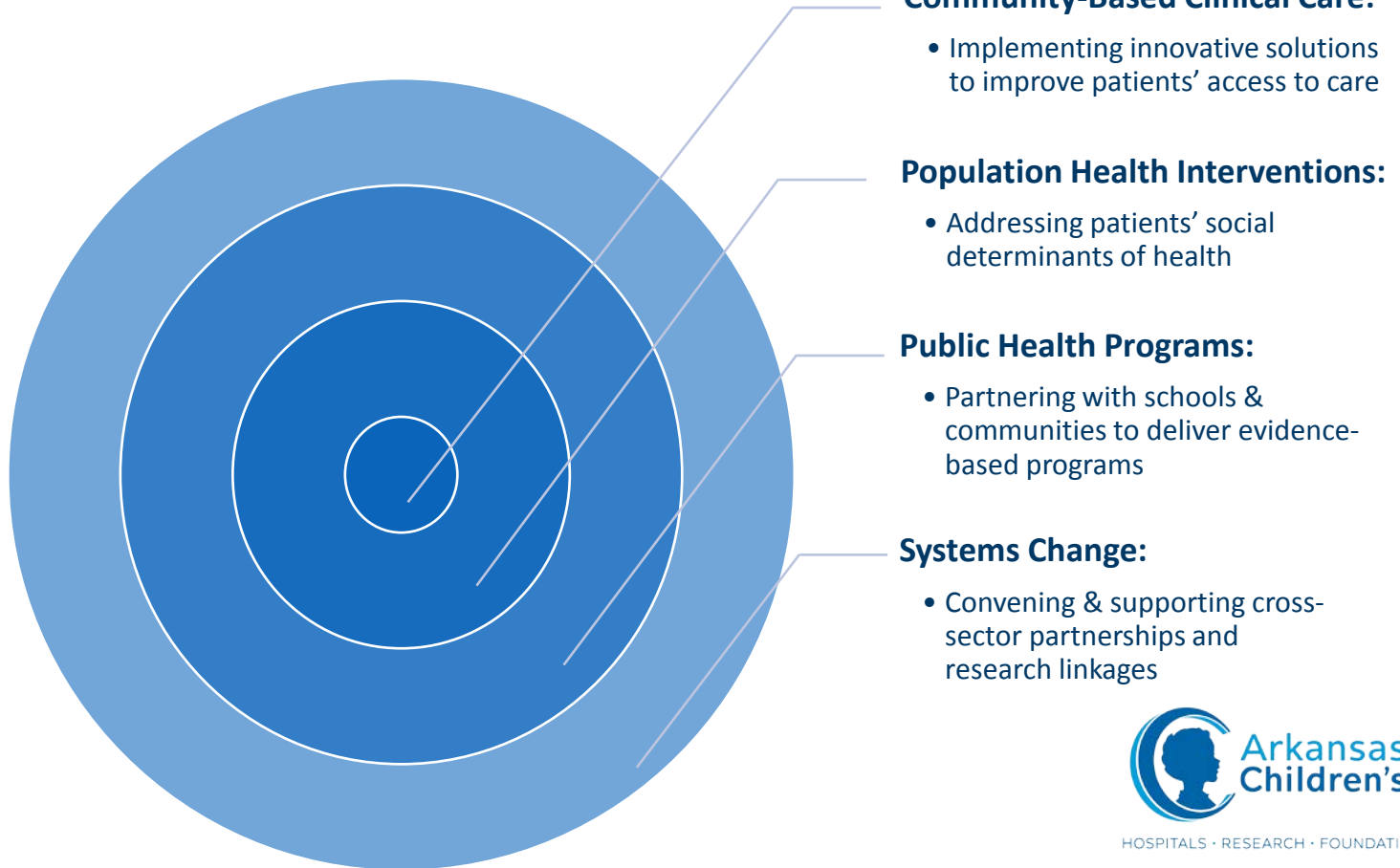


Inspiration

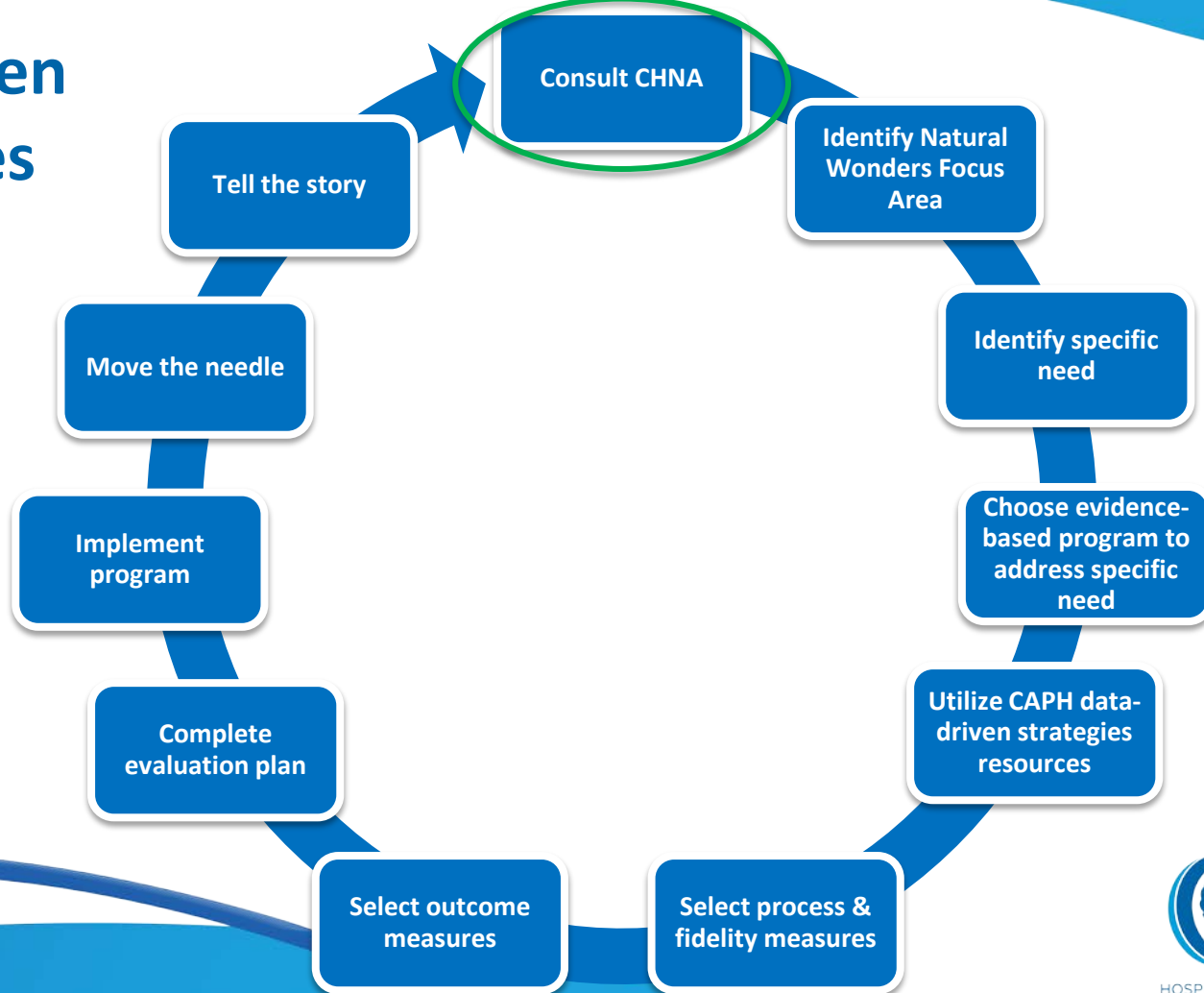


Revised Social-Ecological Model, CDC, 2007

How do we improve child health?



Data-Driven Strategies Cycle

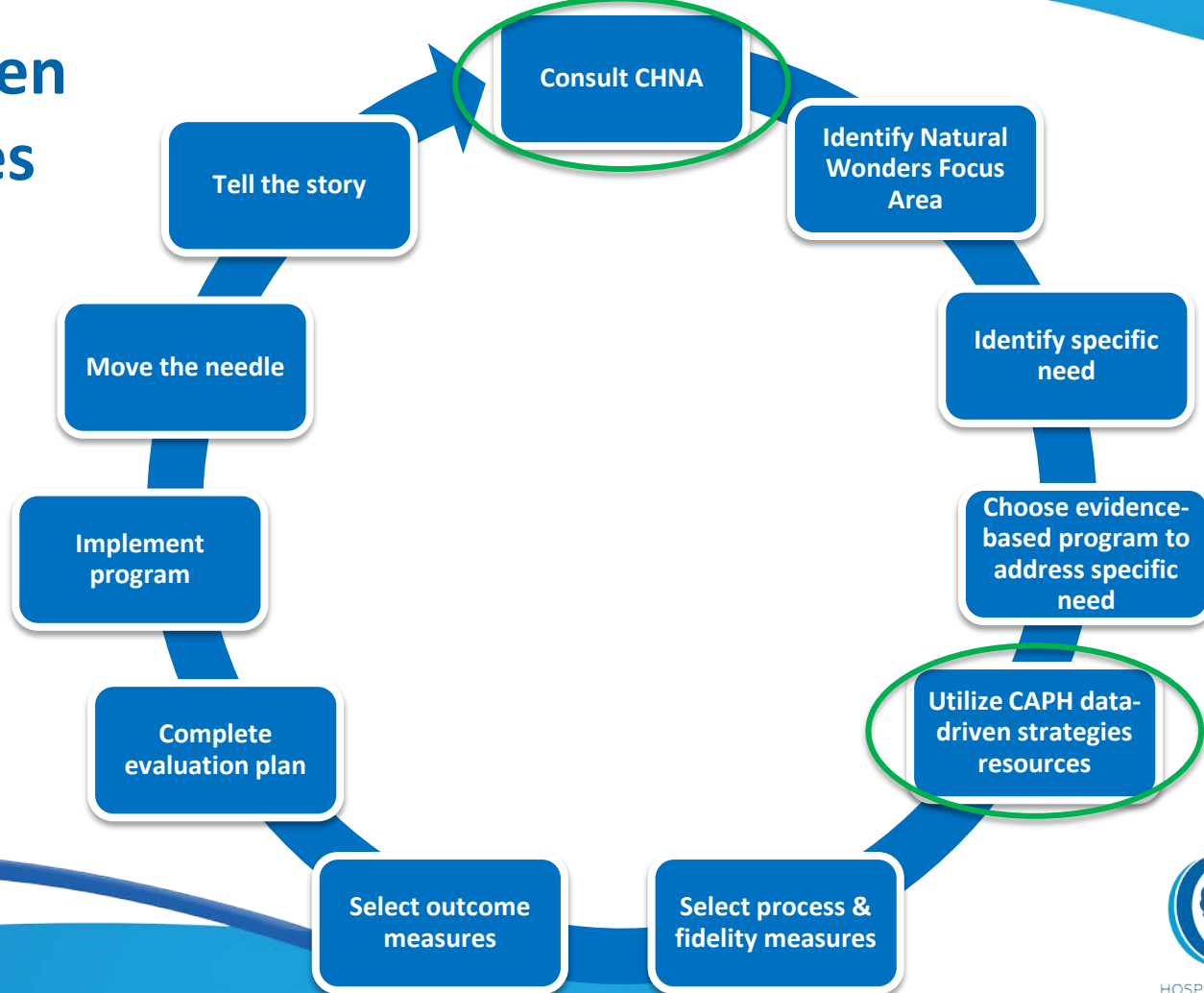


Community Health Needs Assessment and Implementation Strategy

- Informs strategy to deliver on the promise of a healthier tomorrow by better identify gaps in children's health
- Shapes ACH/ACNW community benefit strategy by giving community members a voice
- Inspires diverse partners to address needs collaboratively (Natural Wonders)



Data-Driven Strategies Cycle



Data-Driven Strategies Resources

Data

- Child Health Index
- Custom data

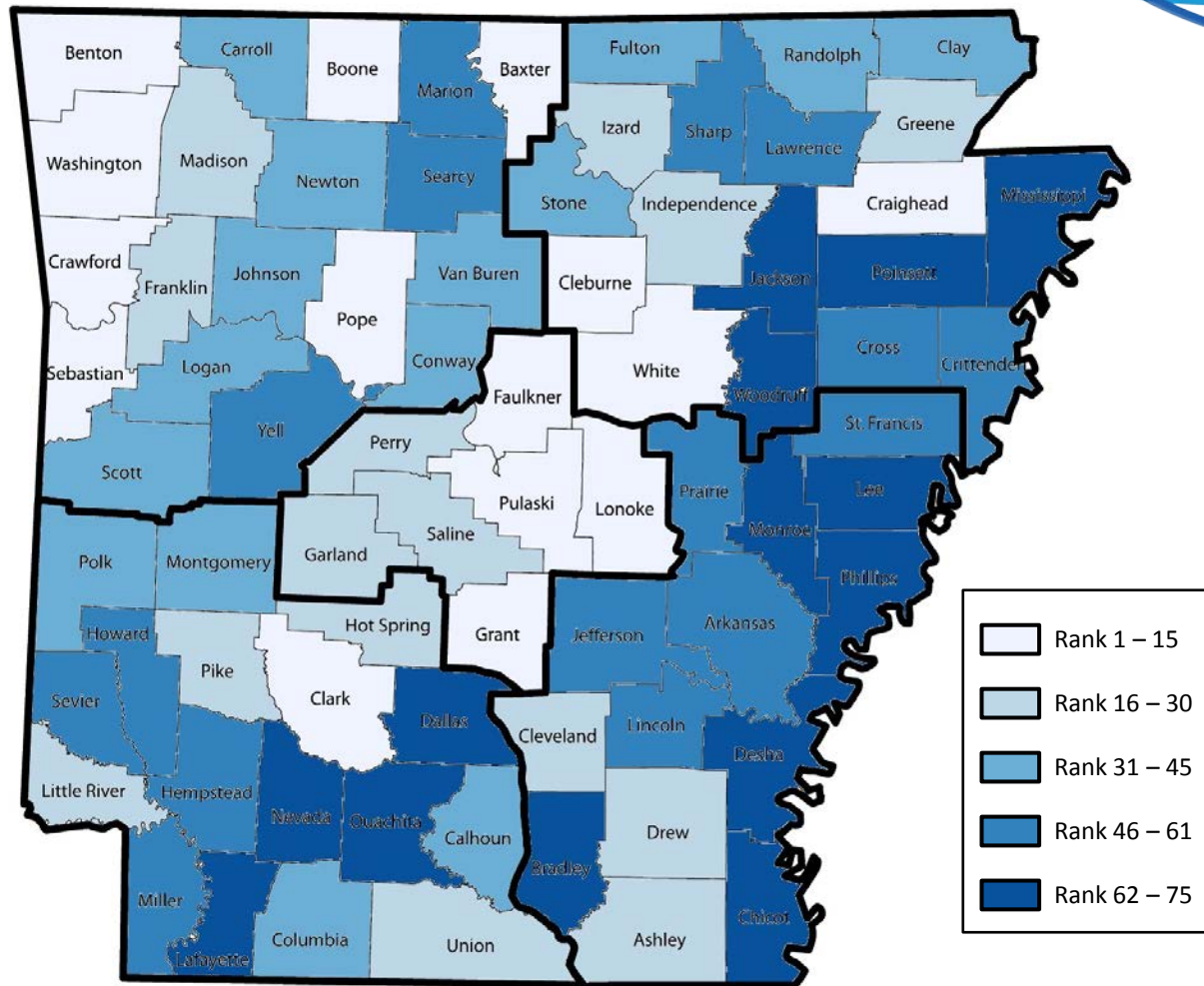
Strategy

- Clinical partnerships
- Foundation support
- Grants
- Population density

Relationships

- Rural Outreach
- Community readiness
- Historical context

Data: Child Health Index Heat Map



Child Health Index

Category	Measure	Source
Economic Circumstances	% of children (<18) living in poverty	County Health Rankings (American Community Survey -American Small Area Income and Poverty Estimates, 2011-2015)
Environment	% Households with no motor vehicle	American Community Survey (American Community Survey 5-Year Estimates, 2011-2015)
Health	% of children (<18) who are overweight or obese	ACHI, Body Mass Index Program (2015-16)
Family Structure	Teen birth rate per 1,000 females	2017 County Health Rankings (National Center for Health Statistics Natality Files, 2008-2014)
Health Care Access	Ratio of dentists to population by county	County Health Rankings (Area Health Resource File/National Provider Identification file, 2015)

Utilize CAPH Data-Driven Strategies Resources

Data

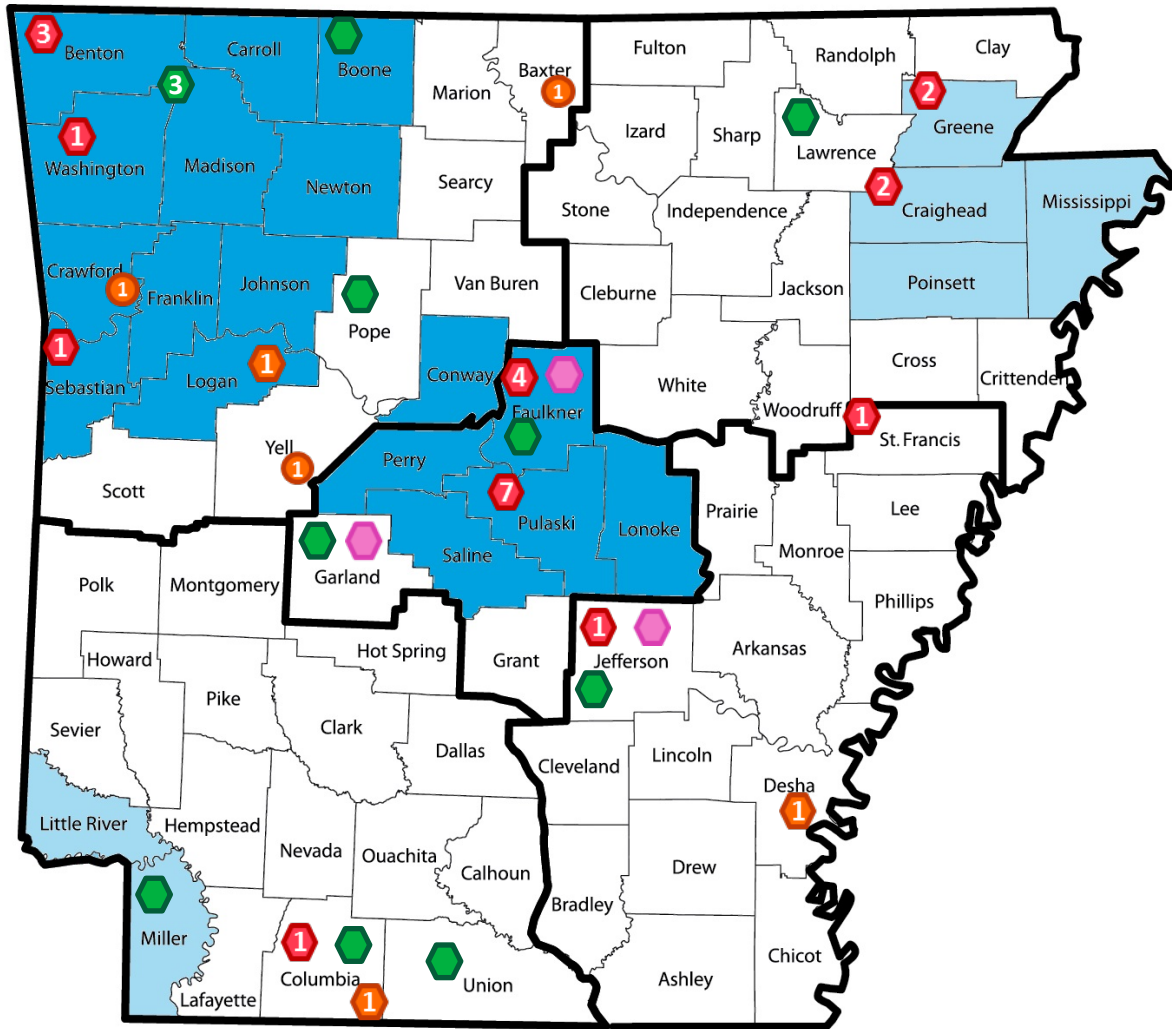
- Child Health Index
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Strategy

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Strategy: Arkansas Children's Strategic Priorities

Utilize CAPH Data-Driven Strategies Resources

Data

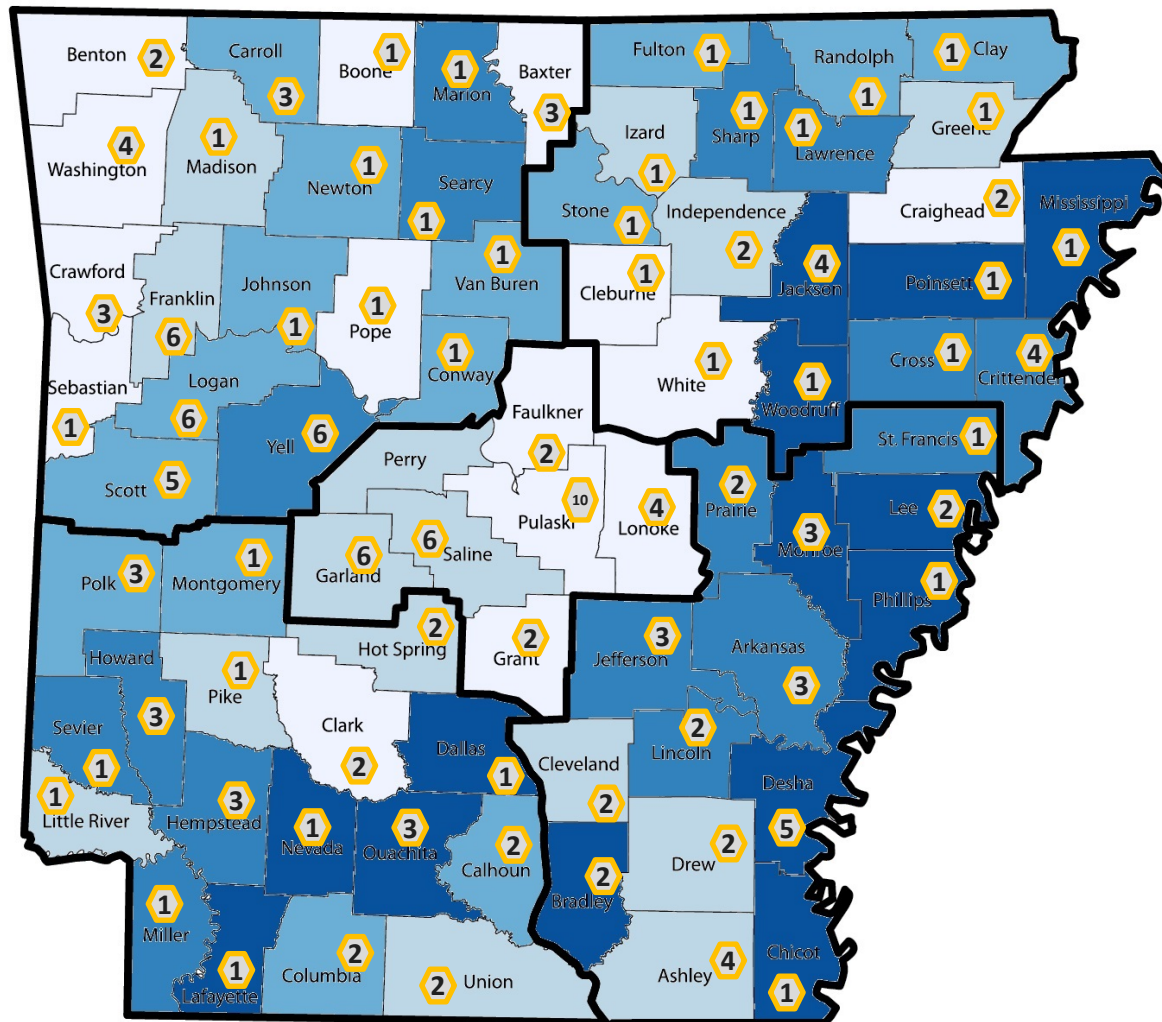
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Strategy

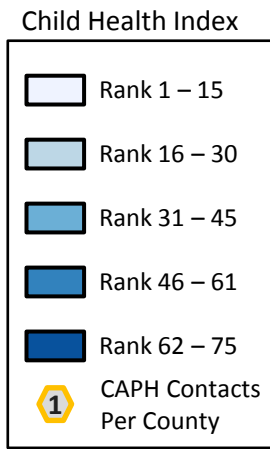
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Relationships: Priority Partners



Internal & Corporate Relationships

- Establishing a database of important community and agency relationships supporting work outside our walls
- Framing social determinants of health to facilitate corporate initiatives
- Corporate strategies and goals versus community needs and priorities

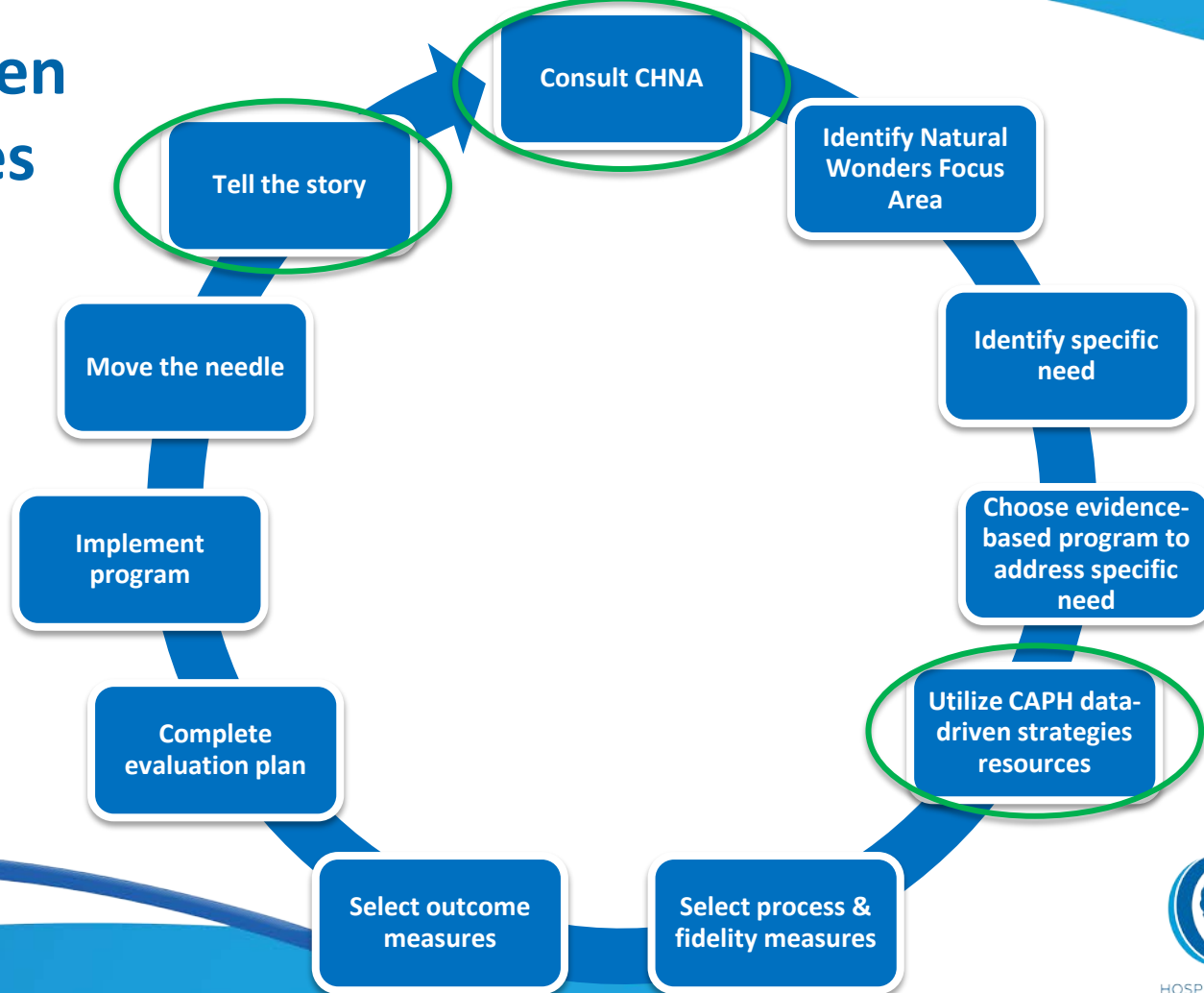
External & Community Relationships

- Community barriers and readiness
- Leveraging partnerships and other community assets
- Trust-building via communications and follow-through

Prioritizing Equity in Our Work



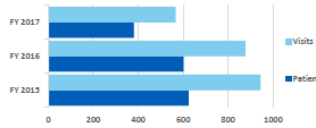
Data-Driven Strategies Cycle



CAPH Reporting & Storytelling

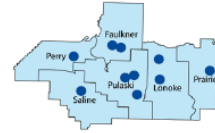
Ronald McDonald Care Mobile: Central Arkansas

MOBILE DENTAL VISITS



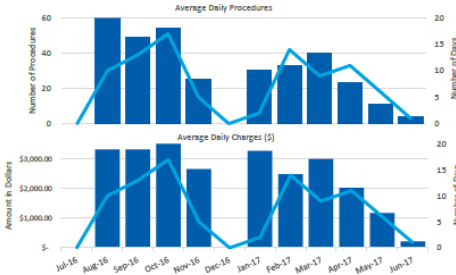
Planned clinic downtime resulted in fewer visits and patients for the fiscal year 2017 (FY17). Yet, even with this decrease there was a 19% increase in the average value of charges per visit for the fiscal year. There was an increase from \$367.21/visit in FY15 to \$438.07/visit in FY17.

FY17 RONALD MCDONALD CARE MOBILE SITES



The Ronald McDonald Care Mobile of Arkansas works in the six counties shown. The markers represent the schools where the RCMC worked in the 2017 fiscal year. The most visits were in Pulaski County.

CLINIC METRICS



These two graphs show the average daily procedures and the average daily charges compared with the number of clinic days for the month.

This year, planned clinic downtime was due to a major mobile clinic retrofit (May – August 2016) and a four month and a half month maternity leave for the dentist (November 2016 – March 2017). The value of services provided in January was higher despite the lower number of clinic days.

VALUE OF SERVICES PROVIDED

\$247,947

This value includes all of the procedures administered, examples are listed to the right. While this was lower than previous years, the average value per visit was 19% higher.

PREVENTIVE & RESTORATIVE PROCEDURES

	Preventive	Restorative	
Cleanings	285	Fillings	313
Sealants	643	Crown	102
X-rays	798	Root Canals	40
		Extractions	93

Success Story



An uninsured 3rd grader in the Little Rock School District presented with the need for extensive dental work with several dental abscesses. Dental work was done over multiple days, and clinicians proposed to the child that treatment should be delayed a day before returning. Yet, the child was so happy that his dental pain decreased, he wanted to come back the following day. This student highlights the importance of dental care close to home!



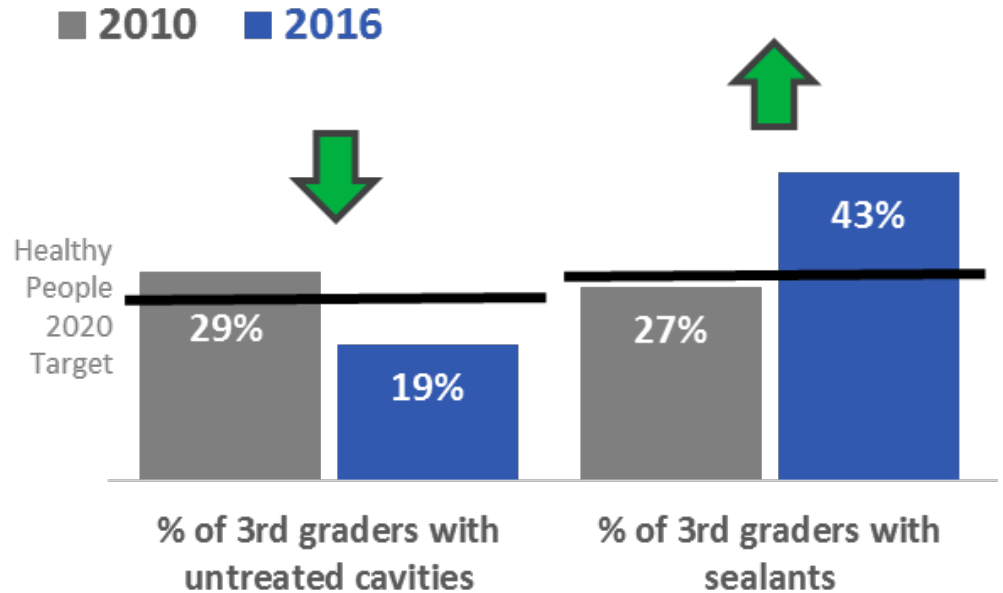
So what?



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Where have we moved the needle?

- Intervention: School-based dental sealant program
- Moved Needle by 61%



Where have we moved the needle?

- Intervention: Host of programs to address leading causes of death for children

- Injury-related deaths fell 32% since 2007

Lessons Learned

- Establishing a culture of accountability isn't easy
- Listen to your team, and push them, too
- Be patient with colleagues who aren't familiar with the practice of public health
- Balance long-term goals with short-term wins to remain relevant

We are
“delivering on the promise
of a healthier tomorrow”
for kids in Arkansas!



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Thank you!

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