



# Legislative Service Commission social determinants of infant mortality

Advisory Group Meeting #4  
October 17, 2017



# Objectives

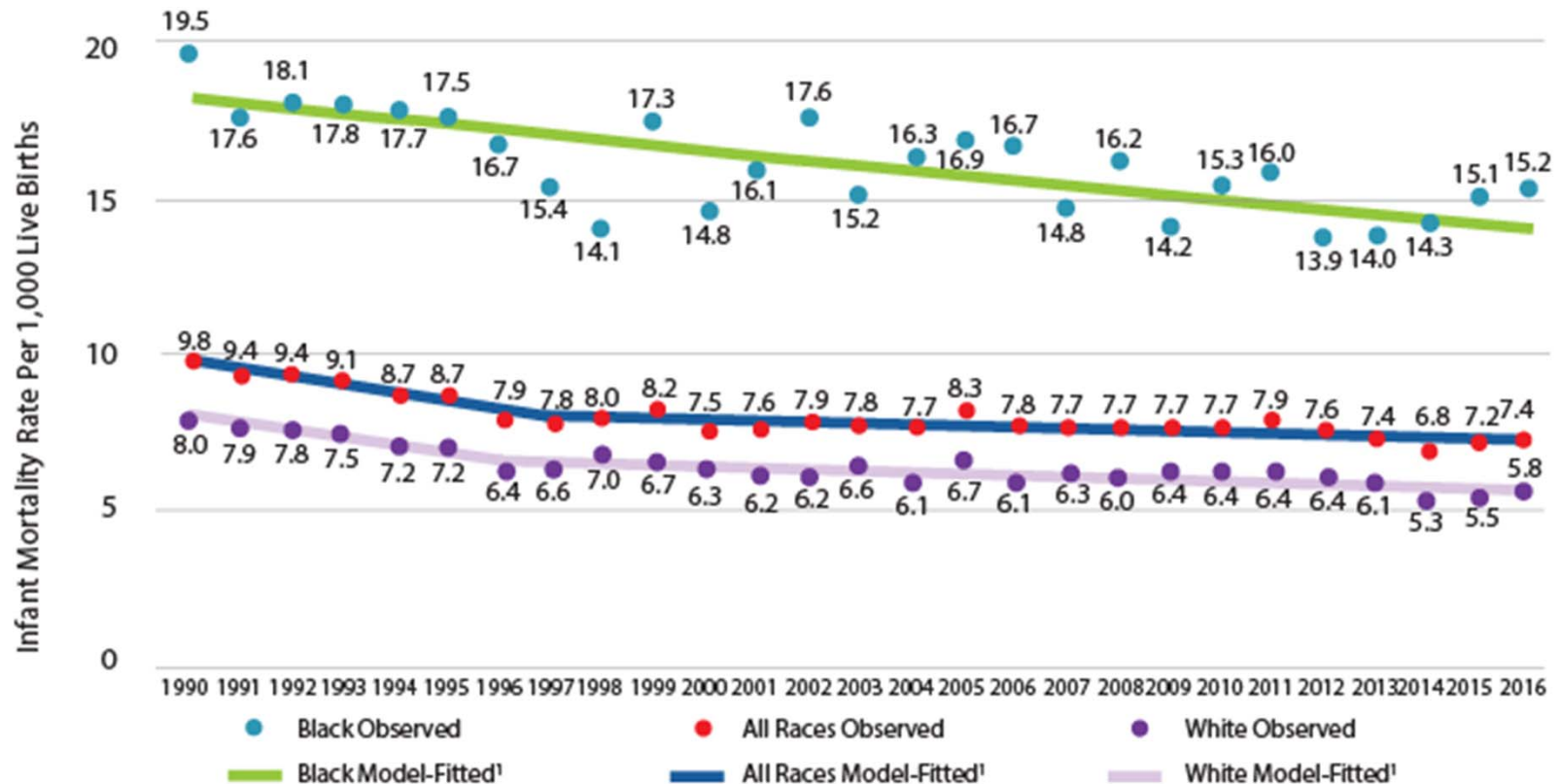
- Draft list of policy recommendations that address housing, transportation, education and employment
  - Refine and strengthen initial draft recommendations
  - Add new recommendations for consideration
  - Discuss prioritization

## Meetings:

- Advisory Group: 4
- Housing Subcommittee: 2
- Steering Committee: 3



# Trends in Ohio infant mortality rates, by race (1990-2016)



Source: Ohio Department Of Health, Bureau Of Vital Statistics.

<sup>1</sup> "Model-Fitted" Definition – Joinpoint software models were used to test the statistical significance of changes in trends. For each group the best fitting trend lines are presented. A change in trend was observed for all races infant mortality in 1996 and for white mortality in 1997. No change in trend was detected for black infant mortality.

# Timeline and deliverables

Deliverable/activity	May	June	July	Aug	Sept	Oct	Nov	Dec
Recruit and convene stakeholder groups		6/28 AG meeting		8/17 AG meeting 8/23 HS meeting	9/14 AG meeting 9/21 HS meeting	10/17 AG meeting		
Most improved state research and <i>Dashboard</i> analysis								
Literature review and environmental scan: Housing, transportation, employment, education — including focus on rental assistance program								
Inventory of evidence-informed SDOH strategies								
Development and prioritization of recommendations								
Final report							Draft	Final report due Dec. 1

AG= Advisory Group

HS= Housing Subcommittee

# SB 332 requirements

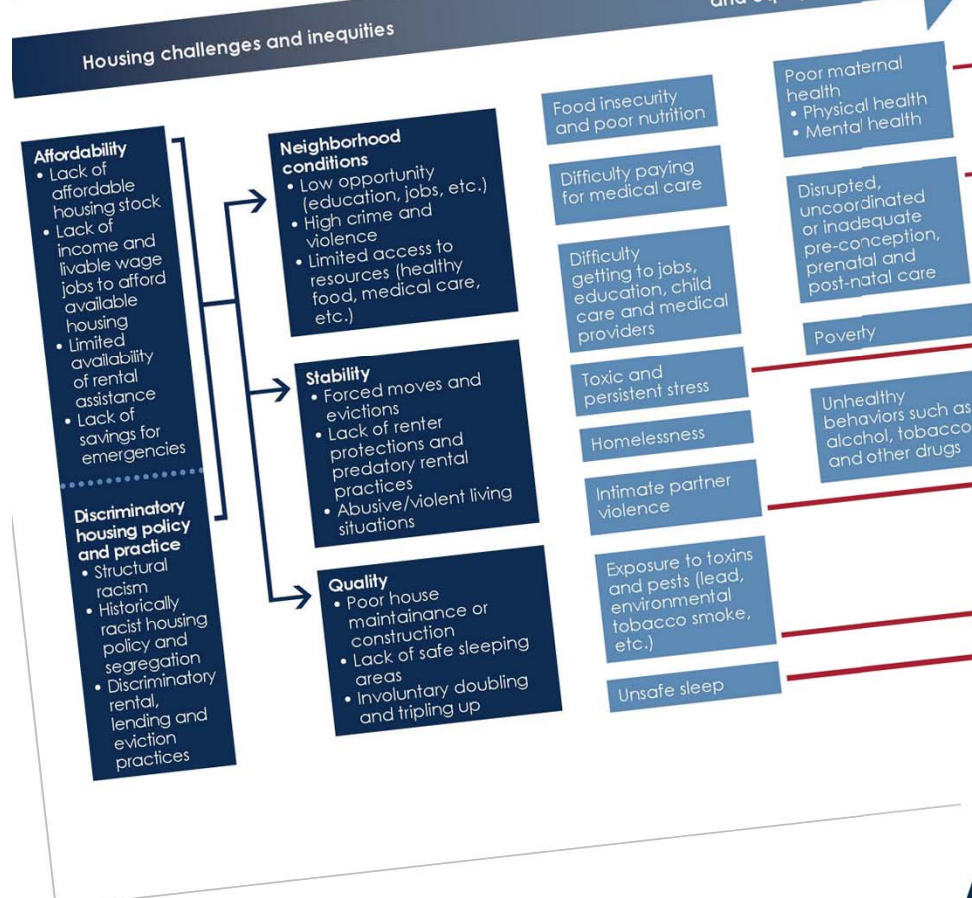
1. Review of policies and programs: housing, transportation, education, employment
2. Identify opportunities to improve policies and programs
3. Study impact of state-funded rental assistance program
4. Evaluate best practices from other states

## Small group discussions at August Advisory Group meeting:

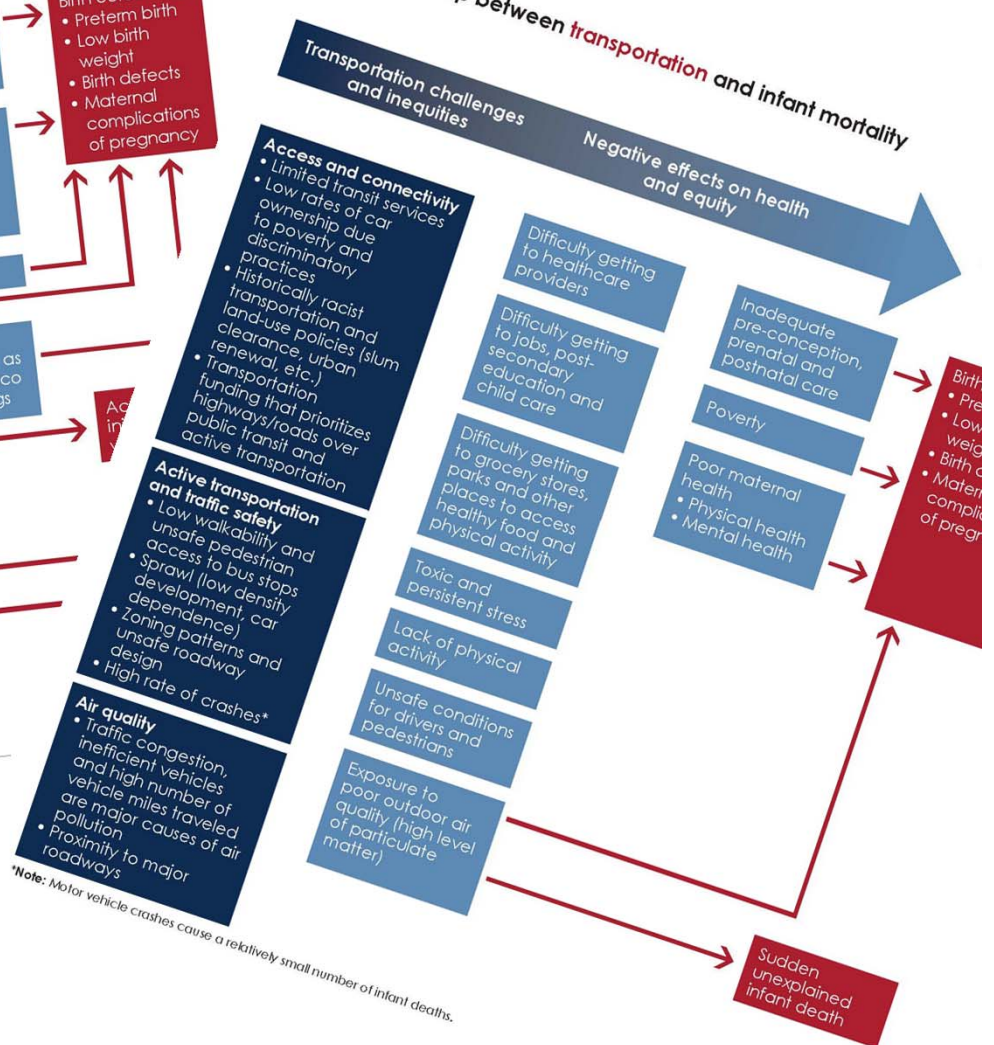
- Housing
- Transportation
- Education
- Employment



# 1 Relationship between housing and infant mortality



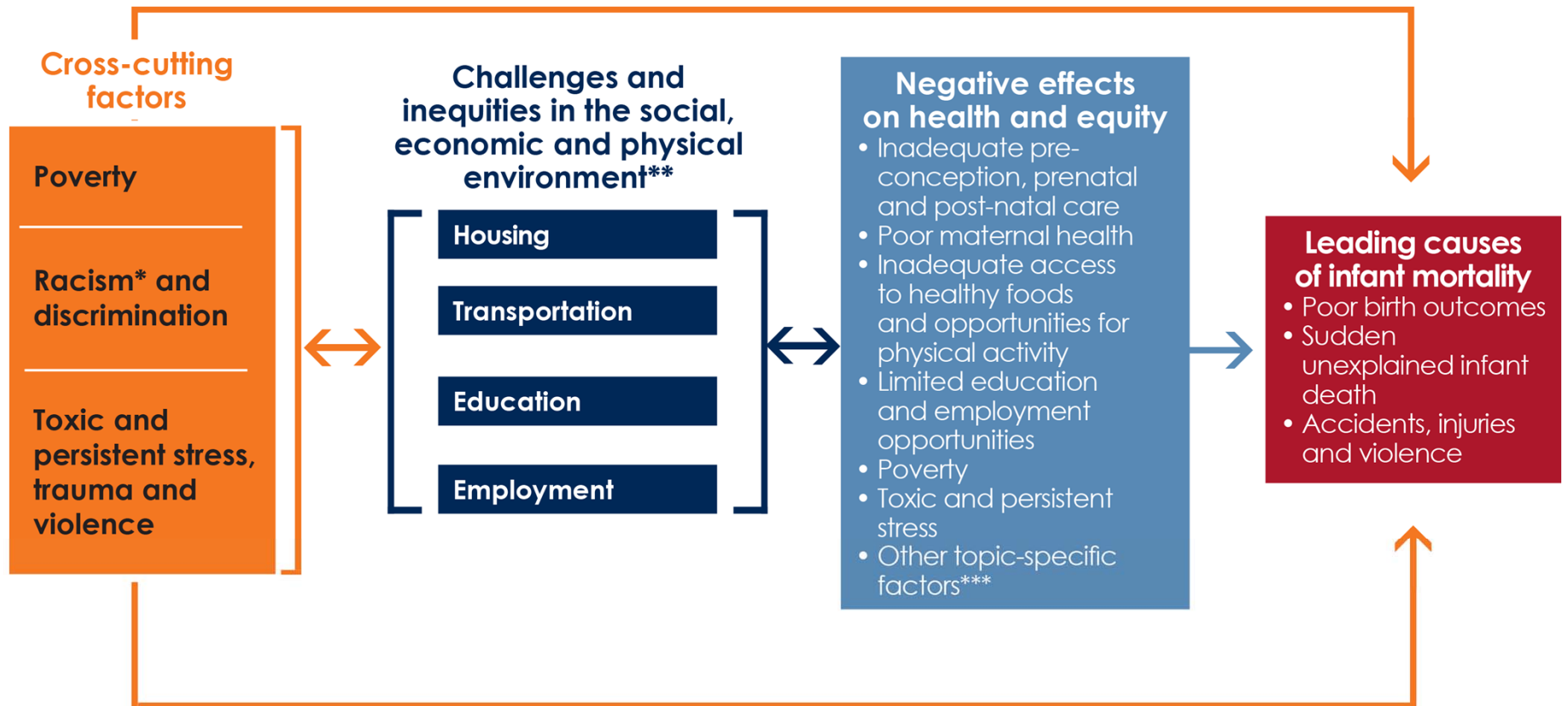
# 2 Relationship between transportation and infant mortality



\*Note: Motor vehicle crashes cause a relatively small number of infant deaths.



# Summary of relationships between housing, transportation, education, employment and infant mortality



\* Structural, institutional, interpersonal and internalized racism

\*\* Topics specified for study by SB 332

\*\*\* See figures 2-5 for details



# Policy recommendations



# Policy recommendation development process

- ✓ Gather initial policy ideas through literature review and Advisory Group discussions
- ✓ Create evidence inventories for each topic
- ✓ Share evidence inventories and initial draft recommendations as pre-read before Oct. 17 AG meeting

# Policy recommendation development process, cont.

- ❑ Discuss and refine recommendations at Oct. 17 Advisory Group meeting
- ❑ Prioritization by Advisory Group via online survey (immediately after Oct. 17 meeting)
- ❑ Finalize recommendations (Oct.-Nov.)

# Policy recommendations are informed by...

Inventory of evidence-based policies and programs

(from evidence registries and systematic review)

Literature reviews

Most-improved state analysis

Suggestions and priorities from Advisory Group

# HOUSING evidence inventory

Effective strategies to address housing challenges and inequities relevant to infant mortality  
10-12-2017

**Key**

**Green**= 2017-2019 State Health Improvement Plan strategy      **Red**= Leading causes of infant mortality

## Affordability<sup>1</sup>

Relevant policy goals<sup>2</sup>:

- Increase access to housing rental assistance programs
- Reduce structural barriers to accessing affordable housing
- Increase the supply of affordable housing for renters with children
- Improve coordination of services for low-income families

Policy or program	Evidence rating and direct outcomes documented in evidence review
1. <b>Tenant-based rental assistance SHIP</b>	<p>CG: Recommended:</p> <ul style="list-style-type: none"> <li>• Reduced exposure to crimes against person and property</li> <li>• Decreases in neighborhood social disorder</li> </ul> <p>WWFH (<a href="#">Housing Choice Voucher Program (Section 8)</a>): Some evidence</p> <ul style="list-style-type: none"> <li>• Increased neighborhood choice</li> <li>• Increased neighborhood socio-economic diversity</li> <li>• Reduced exposure to crime</li> </ul>
2. <b>Low-income housing tax</b>	<p>WWFH: Some evidence:</p> <ul style="list-style-type: none"> <li>• Increased access to affordable housing</li> </ul>

# EDUCATION evidence inventory

Effective policies and programs to address education challenges and inequities relevant to infant mortality  
HPIO draft: 10/12/17

**Key**

**Green**= 2017-2019 State Health Improvement Plan strategy      **Red**= Leading causes of infant mortality      *Italics*= Outcomes also relevant to housing, employment, poverty, racism, stress or violence

## Educational attainment<sup>1</sup>

Relevant policy goals<sup>2</sup>:

- Increase high school graduation rates through programs geared toward the highest risk students
- Strengthen dropout prevention and recovery schools and programs
- Increase the number of Ohio adults who take and pass high school equivalency exams or pursue of a high school diploma
- Improve college preparation and college entry programs and services for low-income Ohioans
- Strengthen career-technical education programs
- Reduce financial barriers to post-secondary education
- Reduce other barriers to high school completion programs and post-secondary education for students

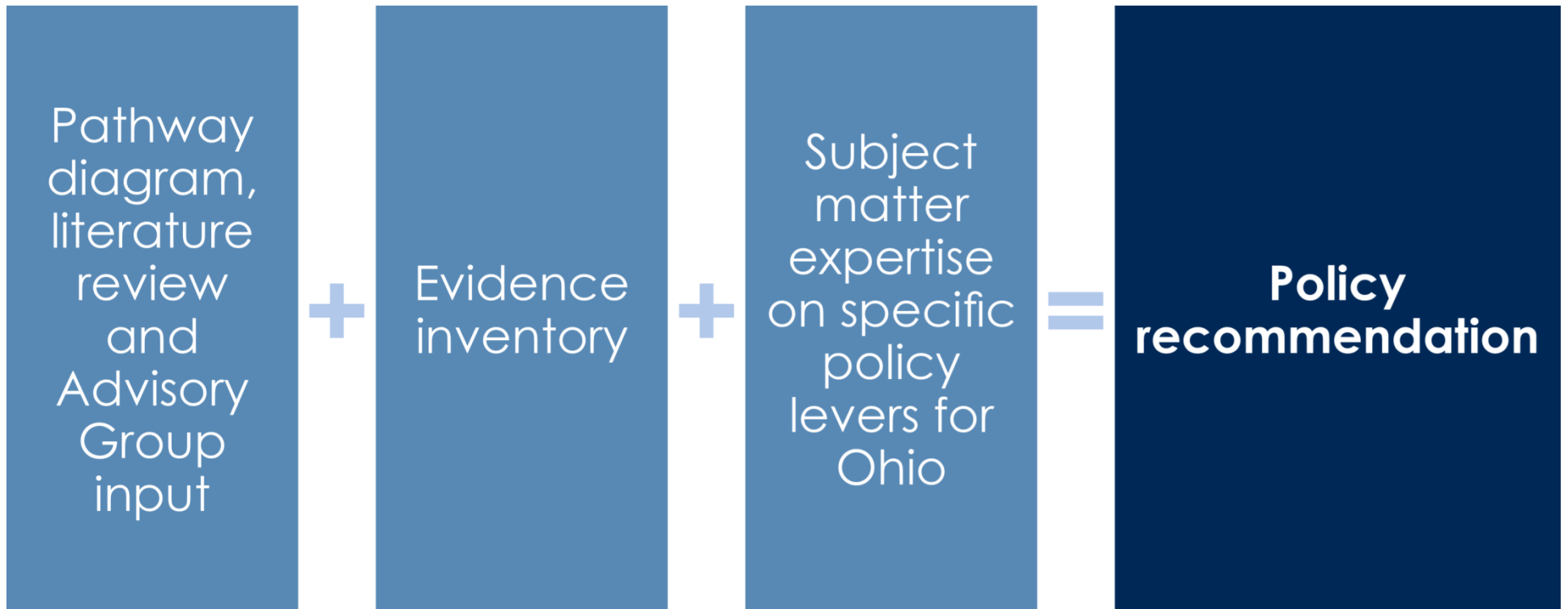
Policy or program	Evidence rating and direct outcomes documented in evidence review	Indirect/other potential outcomes in evidence review
1. <b>Career academies</b>	<p>WWFH: Scientifically supported:</p> <ul style="list-style-type: none"> <li>• Increased high school graduation</li> <li>• Increased academic achievement</li> <li>• Improved student attendance</li> </ul> <p><b>Top Tier Evidence:</b> Top Tier:</p> <ul style="list-style-type: none"> <li>• Sustained increase in annual earnings for men</li> </ul>	<p>WWFH: Other potential beneficial outcomes:</p> <ul style="list-style-type: none"> <li>• Increased earnings</li> </ul>

# Types of evidence



Source: Puddy and Wilkens (2011)





# Criteria for prioritizing policy recommendations

- Strength of evidence of effectiveness
- Relevance to the priority populations for infant mortality
- Potential size of impact on overall infant mortality rate and risk factors
- Potential size of impact on inequities and disparities
- Opportunities given current landscape and awareness of the problem in Ohio
- Short-term political feasibility (2 years)\*

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# 132<sup>nd</sup> General Assembly

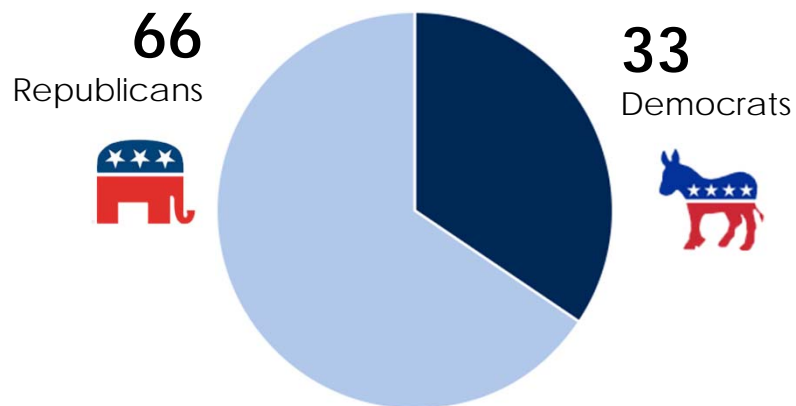
## House



**Rep. Cliff Rosenberger**  
Speaker



**Rep. Fred Strahorn**  
Minority Leader



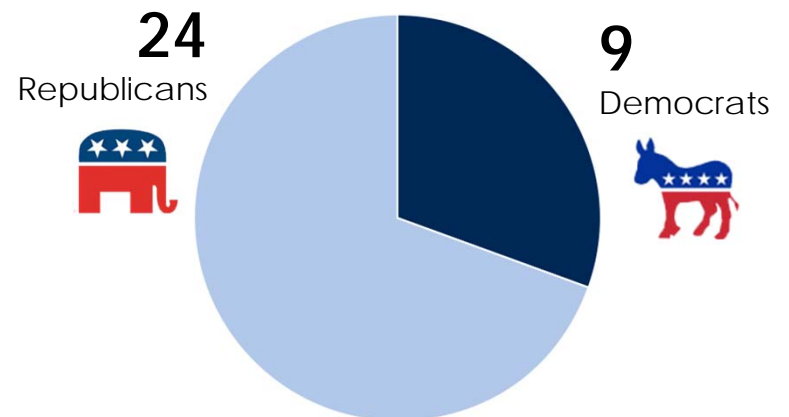
## Senate



**Sen. Larry Obhof**  
Senate President



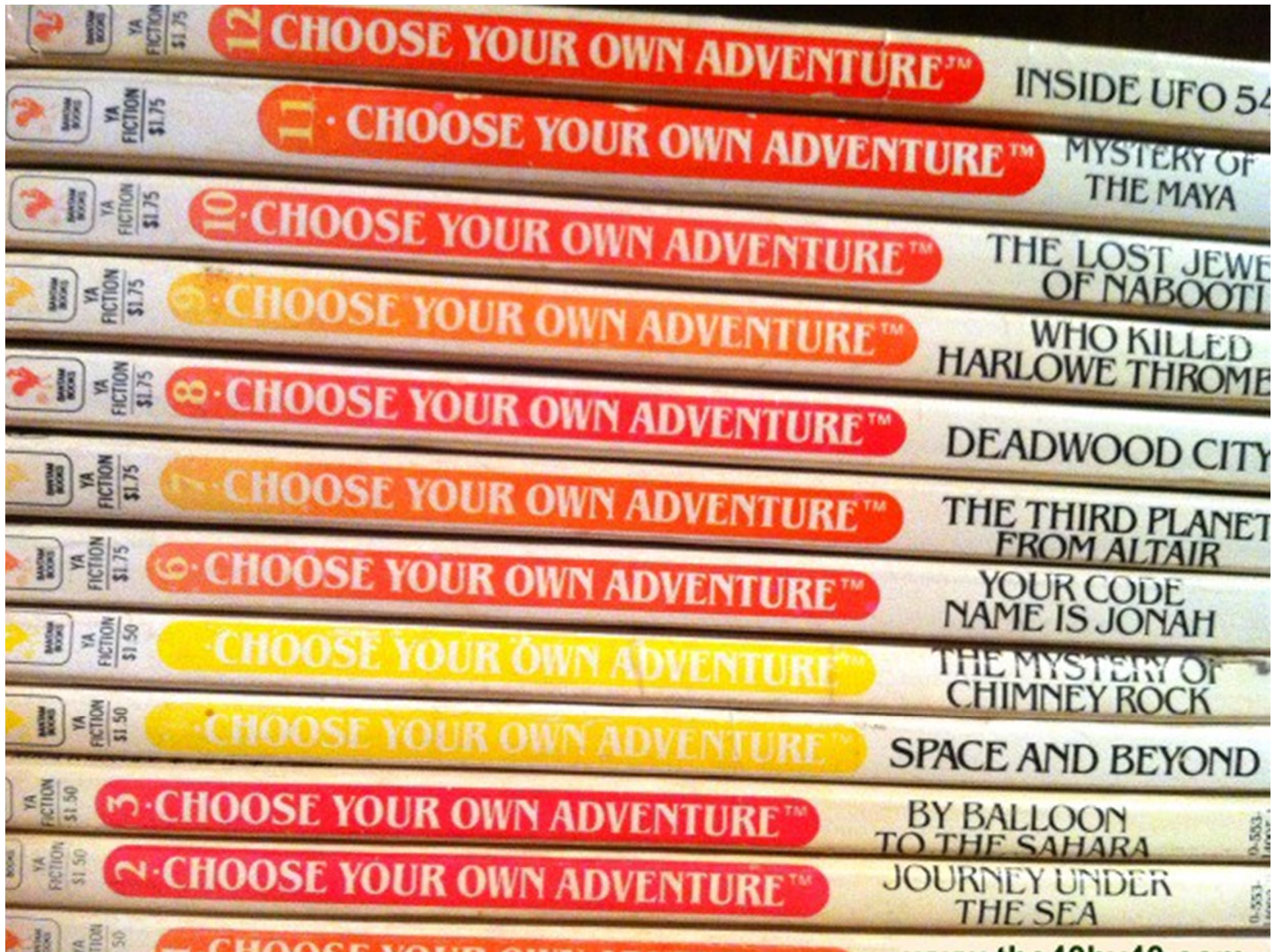
**Sen. Kenny Yuko**  
Minority Leader



# Policy goals

**Tier 1 recommendations:  
Politically feasible within  
next two years  
(emphasize in report)**

**Tier 2 recommendations:  
Policy options for the  
longer-term  
(include in report)**



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INSIDE UFO 54

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MYSTERY OF THE MAYA

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THE LOST JEWEL OF NABOOTI

9 · CHOOSE YOUR OWN ADVENTURE™

WHO KILLED HARLOWE THROME

8 · CHOOSE YOUR OWN ADVENTURE™

DEADWOOD CITY

7 · CHOOSE YOUR OWN ADVENTURE™

THE THIRD PLANET FROM ALTAIR

6 · CHOOSE YOUR OWN ADVENTURE™

YOUR CODE NAME IS JONAH

5 · CHOOSE YOUR OWN ADVENTURE™

THE MYSTERY OF CHIMNEY ROCK

4 · CHOOSE YOUR OWN ADVENTURE™

SPACE AND BEYOND

3 · CHOOSE YOUR OWN ADVENTURE™

BY BALLOON TO THE SAHARA  
JOURNEY UNDER THE SEA

2 · CHOOSE YOUR OWN ADVENTURE™

# Effective policy recommendations are....

- Specific and actionable
- Directed at the decision-making authority that can implement the change
  - Legislative, executive or judicial branch
  - Federal, state or local
  - Public or private
- Evidence-informed
- Realistic within policy landscape

“Health is about more than health care, and the same is true for health equity.”

-Steven H. Woolf  
*Health Affairs*, June 2017



# Health inequities, disparities and equity

## Health inequities

Disparities in rates due to **differences in the distribution of social, economic, environmental or healthcare resources\***



## Health disparities

**differences in health status** among segments of the population such as by race or ethnicity, education, income or disability status

**Health equity**

\*Working definition from the CDC Health Equity Working Group, October 2007

# Priority populations

Groups of Ohioans most at risk for infant mortality:

- African Americans
- People with low levels of educational attainment
- People with low income
- Residents of infant mortality “hot spot” communities
  
- Pregnant women and parents of infants
- People of childbearing age

# Small groups

	Policy goals	Policy recommendations
Housing	7	29
Transportation	6	25
Education	7	17
Employment	5	24

# Contact

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Health Policy Institute of Ohio

[astevens@healthpolicyohio.org](mailto:astevens@healthpolicyohio.org)

Upcoming HPIO forum

# Politics, perceptions and the role of evidence in policymaking

Thursday, Oct. 26, 2017

Sheraton Columbus Hotel at Capitol Square

**Speakers include:**

- **Ron Haskins**, Co-Chair, Commission on Evidence-Based Policymaking and Brookings Institution
- **Jennifer Haberkorn**, Politico
- **Aaron Sharockman**, PolitiFact

For more information or to register, visit

[www.hpio.net](http://www.hpio.net)