



# Putting the Pieces Together:

The Strategy Behind  
Population Health  
Improvement

**Scott Dahl**

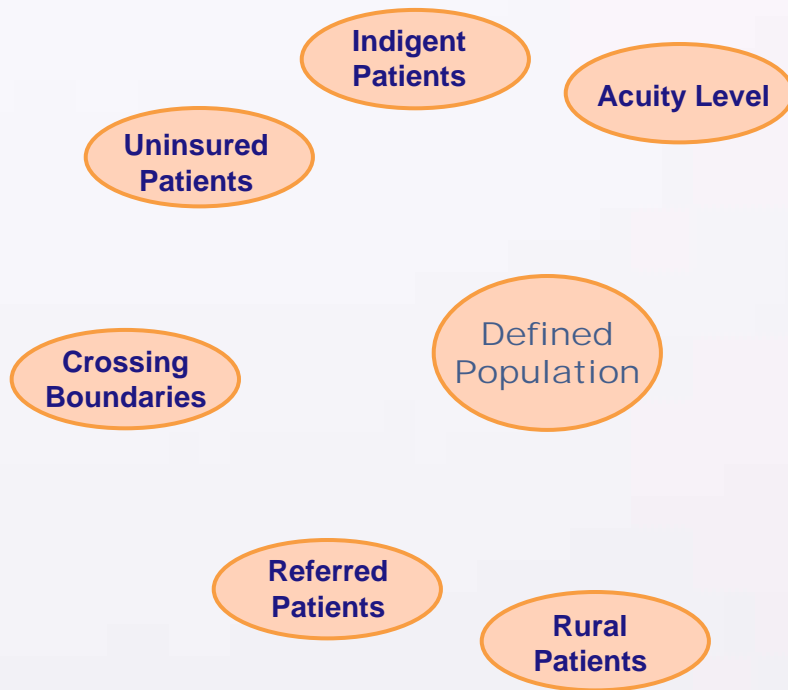
*Director,  
Healthy Communities Institute*



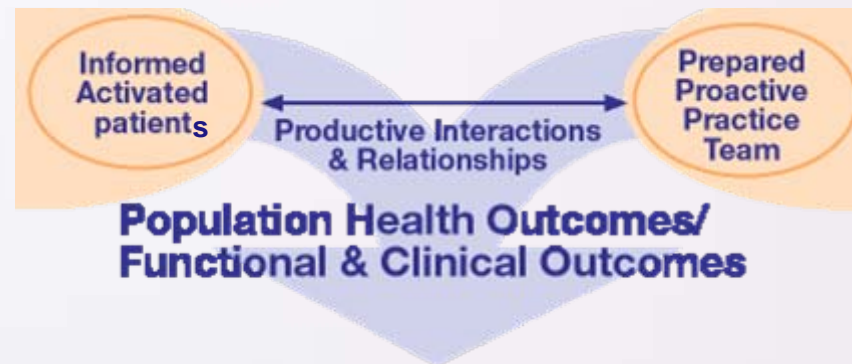
*“When the world comes  
to us in pieces and  
fragments, lacking any  
overall pattern, it is hard  
to see how it might be  
transformed.”*

-- Bellah, *Habits of the Heart*

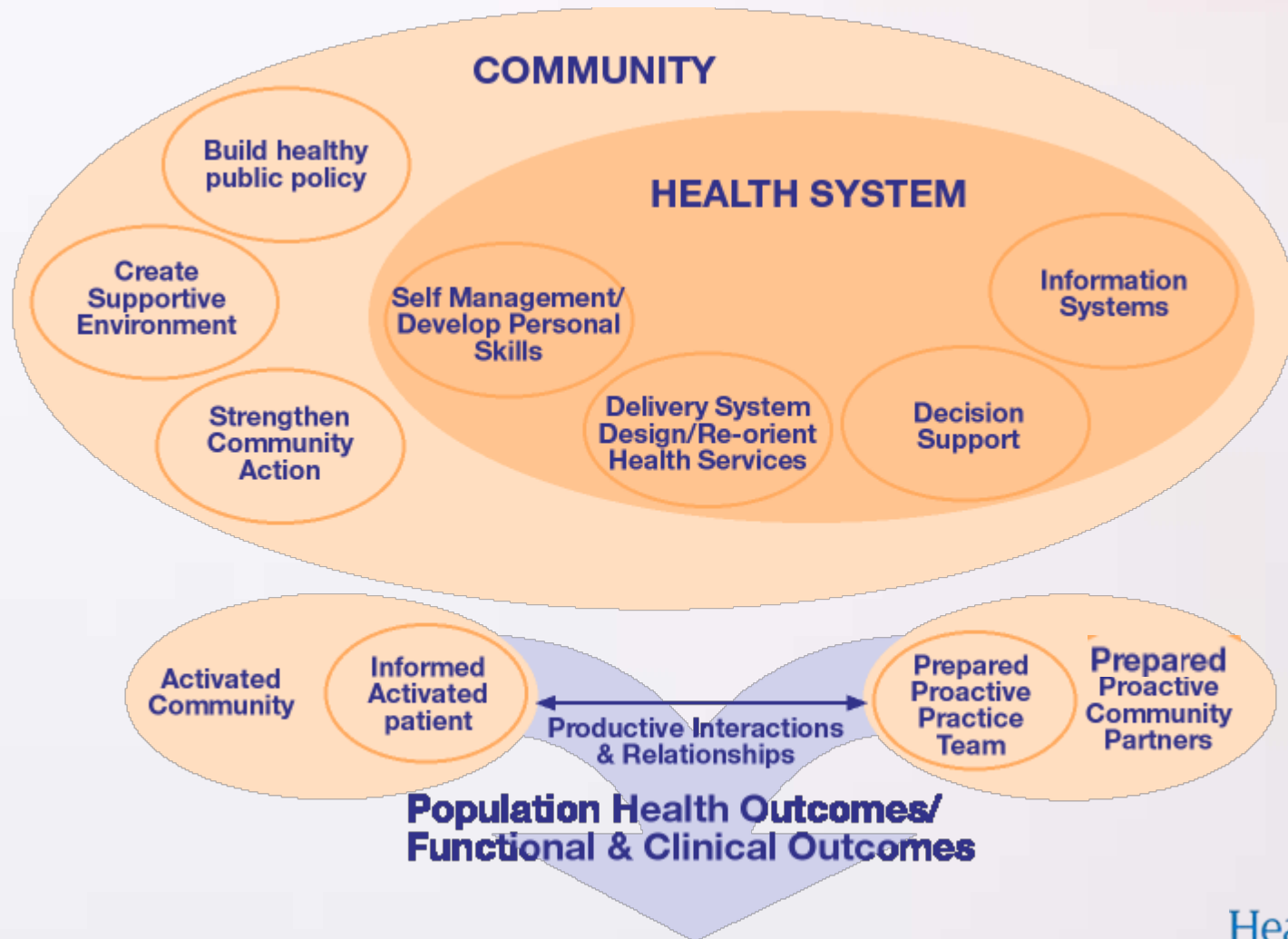
# A Narrow Approach to Population Health



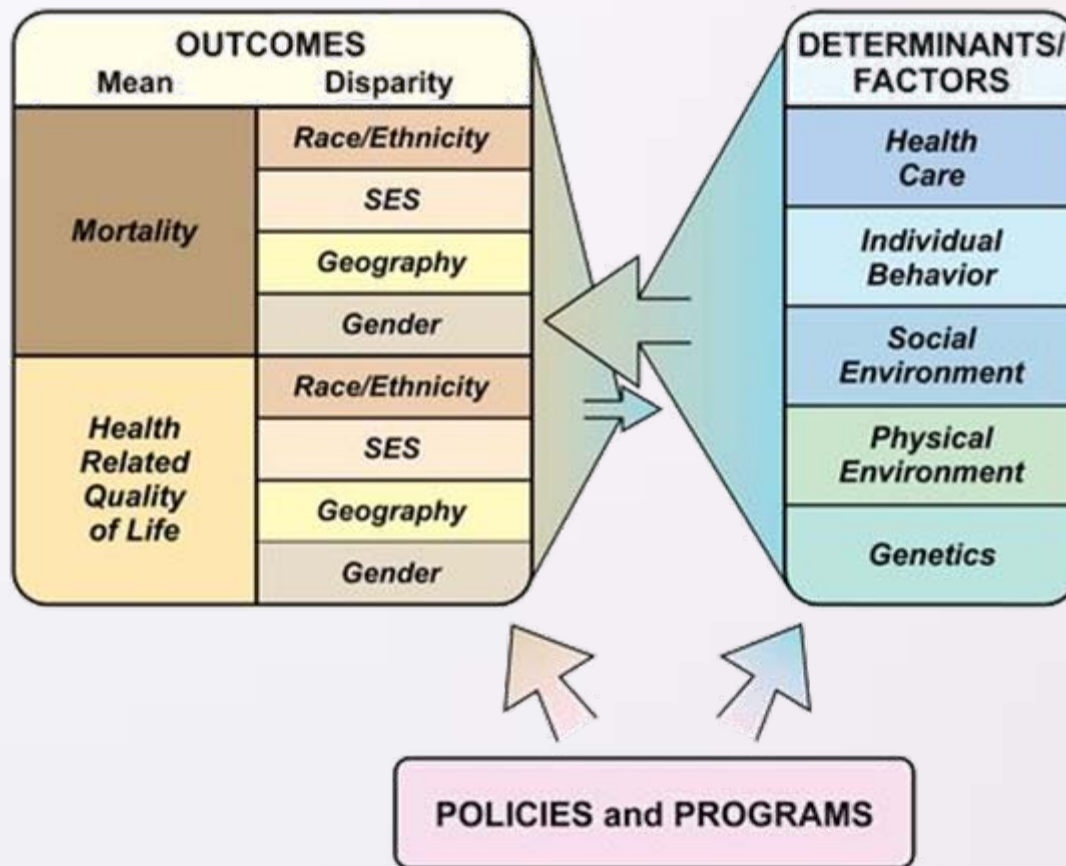
# A Narrow Approach to Population Health



# Health Problems Occur Within a Community System



# Identifying Factors That Cause Health Outcomes




Kindig D, Asada Y, Booske B. (2008). [A Population Health Framework for Setting National and State Health Goals](#). JAMA, 299, 2081-2083.

Evans R, Stoddart GC. (1990). [Producing Health, Consuming Health Care](#). Soc. Sci. Med. 33, 1347-1363.

Kindig, DA, Stoddart G. (2003). [What is population health?](#) American Journal of Public Health, 93, 366-369.

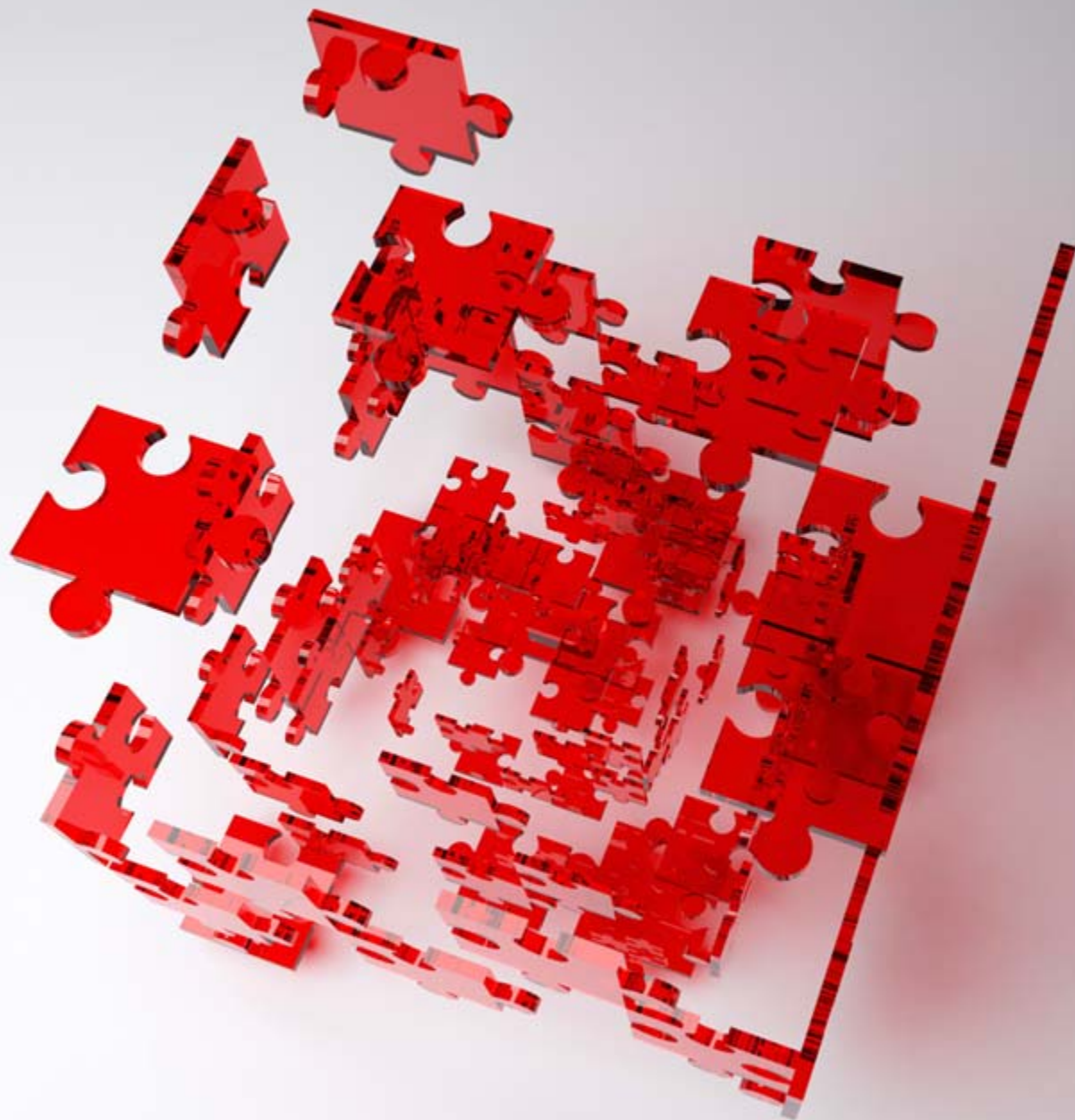
# Three Conceptual Domains





*“To move to the second curve of population health, hospitals and care systems will need to align their missions, organizational cultures and services with a population health approach that addresses the needs of the community.”*

The Second Curve of Population Health  
March 2014 Issue Brief  
Health Research & Education Trust, AHA



# Case Study



## Strategy

- Increase Appropriate Utilization
- Reduce Readmission Rates


[Home](#) > [About Us](#)
[Home](#) > [Community Dashboard](#)

## Community Dashboard

- Community Dashboard
- Disparities Dashboard
- Healthy People 2020 Tracker
- Demographics
- Promising Practices
- Report Center
- Report Assistant



Health



Economy



Education



Environment


 Government &  
Politics


Public Safety


 Social  
Environment


Transportation



 Location Type: 

 Location: 

 Breakout By: 





 Order By: 

### Indicators for County: Marion

[View the Legend](#)

#### Health

##### Access to Health Services











- |   |                           |   |
|---|---------------------------|---|
| ▣ Adults with Health Insurance <b>MAP</b>   | Comparison: U.S. Counties |  |
| ▣ Children with Health Insurance <b>MAP</b> | Comparison: U.S. Counties |  |
| ▣ Preventable Hospital Stays <b>MAP</b>     | Comparison: U.S. Counties |  |
| ▣ Primary Care Provider Rate <b>MAP</b>     | Comparison: U.S. Counties |  |



##### Cancer

- |   |                           |   |
|---|---------------------------|---|
| ▣ Age-Adjusted Death Rate due to Breast Cancer <b>MAP</b> | Comparison: U.S. Counties |  |
|---|---------------------------|---|






▣ Age-Adjusted Death Rate due to Colorectal Cancer MAP	Comparison: U.S. Counties	
▣ Age-Adjusted Death Rate due to Lung Cancer MAP	Comparison: U.S. Counties	
▣ Age-Adjusted Death Rate due to Prostate Cancer MAP	Comparison: U.S. Counties	
▣ Breast Cancer Incidence Rate MAP	Comparison: U.S. Counties	
▣ Cancer: Medicare Population MAP	Comparison: U.S. Counties	
▣ Colorectal Cancer Incidence Rate MAP	Comparison: U.S. Counties	
▣ Lung and Bronchus Cancer Incidence Rate MAP	Comparison: U.S. Counties	
▣ Mammography Screening: Medicare Population MAP	Comparison: U.S. Counties	
▣ Oral Cavity and Pharynx Cancer Incidence Rate MAP	Comparison: U.S. Counties	
▣ Prostate Cancer Incidence Rate MAP	Comparison: U.S. Counties	

### County Health Rankings

▣ Clinical Care Ranking MAP	Comparison: IN Counties	
▣ Health Behaviors Ranking MAP	Comparison: IN Counties	
▣ Morbidity Ranking MAP	Comparison: IN Counties	
▣ Mortality Ranking MAP	Comparison: IN Counties	
▣ Physical Environment Ranking MAP	Comparison: IN Counties	
▣ Social and Economic Factors Ranking MAP	Comparison: IN Counties	

### Diabetes

▣ Age-Adjusted Death Rate due to Diabetes MAP	Comparison: U.S. Counties	
▣ Age-Adjusted Hospitalization Rate due to Diabetes MAP	Comparison: IN Counties	
▣ Age-Adjusted Hospitalization Rate due to Long-Term Complications of Diabetes MAP	Comparison: IN Counties	

▣ Age-Adjusted Hospitalization Rate due to Short-Term Complications of Diabetes <b>MAP</b>	Comparison: IN Counties	
▣ Age-Adjusted Hospitalization Rate due to Uncontrolled Diabetes <b>MAP</b>	Comparison: IN Counties	
▣ Diabetes: Medicare Population <b>MAP</b>	Comparison: U.S. Counties	
▣ Diabetic Screening: Medicare Population <b>MAP</b>	Comparison: U.S. Counties	

### Disabilities

▣ Adults with an Independent Living Difficulty	Comparison: U.S. Value	
▣ Persons with a Cognitive Difficulty	Comparison: U.S. Value	
▣ Persons with a Disability	Comparison: U.S. Value	
▣ Persons with a Self-Care Difficulty	Comparison: U.S. Value	
▣ Persons with an Ambulatory Difficulty	Comparison: U.S. Value	
▣ Persons with Disability Living in Poverty <b>MAP</b>	Comparison: U.S. Counties	

### Exercise, Nutrition, & Weight

▣ Adults who are Obese <b>MAP</b>	Comparison: IN Counties	
▣ Adults who are Sedentary <b>MAP</b>	Comparison: IN Counties	
▣ Low-Income Preschool Obesity <b>MAP</b>	Comparison: U.S. Counties	

### Family Planning








▣ Teen Birth Rate <b>MAP</b>	Comparison: IN Counties	
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### Food Safety







▣ Salmonella Infection Incidence Rate <b>NEW</b>	Comparison: IN State Value	
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### Heart Disease & Stroke





▣ Age-Adjusted Death Rate due to Cerebrovascular Disease (Stroke) <b>MAP</b>	Comparison: U.S. Counties	
▣ Age-Adjusted Death Rate due to Coronary Heart Disease <b>MAP</b>	Comparison: U.S. Counties	
▣ Age-Adjusted Hospitalization Rate due to Congestive Heart Failure <b>MAP</b>	Comparison: U.S. Counties	

▣ Age-Adjusted Hospitalization Rate due to Congestive Heart Failure <b>MAP</b>	Comparison: IN Counties	
▣ Atrial Fibrillation: Medicare Population <b>MAP</b>	Comparison: U.S. Counties	
▣ Heart Failure: Medicare Population <b>MAP</b>	Comparison: U.S. Counties	
▣ Hyperlipidemia: Medicare Population <b>MAP</b>	Comparison: U.S. Counties	
▣ Hypertension: Medicare Population <b>MAP</b>	Comparison: U.S. Counties	
▣ Ischemic Heart Disease: Medicare Population <b>MAP</b>	Comparison: U.S. Counties	
▣ Stroke: Medicare Population <b>MAP</b>	Comparison: U.S. Counties	

### Immunizations & Infectious Diseases

▣ Age-Adjusted Death Rate due to Influenza and Pneumonia <b>MAP</b>	Comparison: U.S. Counties	
▣ Age-Adjusted Hospitalization Rate due to Bacterial Pneumonia <b>MAP</b>	Comparison: IN Counties	
▣ Age-Adjusted Hospitalization Rate due to Hepatitis <b>MAP</b>	Comparison: IN Counties	
▣ Age-Adjusted Hospitalization Rate due to Immunization-Preventable Pneumonia and Influenza <b>MAP</b>	Comparison: IN Counties	
▣ Chlamydia Incidence Rate <b>MAP</b>	Comparison: IN Counties	
▣ HIV Prevalence Rate	Comparison: IN State Value	

### Maternal, Fetal & Infant Health

▣ Babies with Low Birth Weight <b>MAP</b>	Comparison: IN Counties	
▣ Babies with Very Low Birth Weight	Comparison: IN State Value	
▣ Infant Mortality Rate	Comparison: IN State Value	
▣ Mothers who Received Early Prenatal Care <b>MAP</b>	Comparison: IN Counties	
▣ Mothers who Smoked During Pregnancy <b>MAP</b>	Comparison: IN Counties	
▣ Preterm Births <b>MAP</b>	Comparison: IN Counties	

- Preterm Births **MAP**

Comparison: IN Counties



## Mental Health & Mental Disorders

- Age-Adjusted Death Rate due to Suicide **MAP**

Comparison: U.S. Counties



- Depression: Medicare Population **MAP**

Comparison: U.S. Counties



- Inadequate Social Support **MAP**

Comparison: U.S. Counties



- Poor Mental Health Days **MAP**

Comparison: U.S. Counties



## Older Adults & Aging

- Age-Adjusted Death Rate due to Alzheimer's Disease **MAP**

Comparison: U.S. Counties



- Alzheimer's Disease or Dementia: Medicare Population **MAP**

Comparison: U.S. Counties



## Oral Health

- Dentist Rate **MAP**

Comparison: U.S. Counties



## Other Chronic Diseases

- Chronic Kidney Disease: Medicare Population **MAP**

Comparison: U.S. Counties



- Osteoporosis: Medicare Population **MAP**

Comparison: U.S. Counties



- Rheumatoid Arthritis or Osteoarthritis: Medicare Population **MAP**

Comparison: U.S. Counties



## Other Conditions

- Age-Adjusted Hospitalization Rate due to Dehydration **MAP**

Comparison: IN Counties



- Age-Adjusted Hospitalization Rate due to Urinary Tract Infections **MAP**

Comparison: IN Counties



## Prevention & Safety

- Age-Adjusted Death Rate due to Unintentional Injuries **MAP**

Comparison: U.S. Counties



## Respiratory Diseases

- Age-Adjusted Death Rate due to Chronic Lower Respiratory Diseases **MAP**

Comparison: U.S. Counties






- Age-Adjusted Hospitalization Rate due to Adult Asthma **MAP**

Comparison: IN Counties





<ul style="list-style-type: none"> <li>Age-Adjusted Hospitalization Rate due to Asthma <b>MAP</b></li> </ul>	Comparison: IN Counties	
<ul style="list-style-type: none"> <li>Age-Adjusted Hospitalization Rate due to COPD <b>MAP</b></li> </ul>	Comparison: IN Counties	
<ul style="list-style-type: none"> <li>Age-Adjusted Hospitalization Rate due to Pediatric Asthma <b>MAP</b></li> </ul>	Comparison: IN Counties	
<ul style="list-style-type: none"> <li>Asthma: Medicare Population <b>MAP</b></li> </ul>	Comparison: U.S. Counties	
<ul style="list-style-type: none"> <li>COPD: Medicare Population <b>MAP</b></li> </ul>	Comparison: U.S. Counties	

### Substance Abuse

<ul style="list-style-type: none"> <li>Adults who Drink Excessively <b>MAP</b></li> </ul>	Comparison: U.S. Counties	
<ul style="list-style-type: none"> <li>Adults who Smoke <b>MAP</b></li> </ul>	Comparison: U.S. Counties	
<ul style="list-style-type: none"> <li>Age-Adjusted Hospitalization Rate due to Alcohol Abuse <b>MAP</b></li> </ul>	Comparison: IN Counties	

### Wellness & Lifestyle


<ul style="list-style-type: none"> <li>Poor Physical Health Days <b>MAP</b></li> </ul>	Comparison: U.S. Counties	
<ul style="list-style-type: none"> <li>Self-Reported General Health Assessment: Poor or Fair <b>MAP</b></li> </ul>	Comparison: U.S. Counties	

### Economy




#### Employment

<ul style="list-style-type: none"> <li>Unemployed Workers in Civilian Labor Force <b>NEW</b> <b>MAP</b></li> </ul>	Comparison: U.S. Counties	
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#### Government Assistance Programs

<ul style="list-style-type: none"> <li>Households with Cash Public Assistance Income <b>NEW</b> <b>MAP</b></li> </ul>	Comparison: U.S. Counties	
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#### Homeownership

<ul style="list-style-type: none"> <li>Foreclosure Rate <b>MAP</b></li> </ul>	Comparison: U.S. Counties	
<ul style="list-style-type: none"> <li>Homeowner Vacancy Rate <b>NEW</b> <b>MAP</b></li> </ul>	Comparison: U.S. Counties	
<ul style="list-style-type: none"> <li>Homeownership <b>NEW</b> <b>MAP</b></li> </ul>	Comparison: U.S. Counties	

#### Housing Affordability & Supply

<ul style="list-style-type: none"> <li>Renters Spending 30% or More of Household Income</li> </ul>		
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## Housing Affordability & Supply

- Renters Spending 30% or More of Household Income on Rent **NEW** **MAP** Comparison: U.S. Counties



## Income

- Median Household Income **NEW** **MAP** Comparison: U.S. Counties
- Per Capita Income **NEW** **MAP** Comparison: U.S. Counties



## Poverty

- Child Food Insecurity Rate **MAP** Comparison: U.S. Counties
- Children Living Below Poverty Level **NEW** **MAP** Comparison: U.S. Counties
- Food Insecurity Rate **MAP** Comparison: U.S. Counties
- Low-Income Persons who are SNAP Participants **MAP** Comparison: U.S. Counties
- People 65+ Living Below Poverty Level **NEW** **MAP** Comparison: U.S. Counties
- People Living 200% Above Poverty Level **NEW** **MAP** Comparison: U.S. Counties
- People Living Below Poverty Level **NEW** **MAP** Comparison: U.S. Counties
- Students Eligible for the Free Lunch Program **MAP** Comparison: U.S. Counties



## Education

### Educational Attainment in Adult Population

- High School Graduation **MAP** Comparison: IN Counties



### Higher Education

- People 25+ with a Bachelor's Degree or Higher **NEW** **MAP** Comparison: U.S. Counties



### School Environment




- Student-to-Teacher Ratio **MAP** Comparison: U.S. Counties



### Student Performance K-12





- 4th Grade Students Proficient in English/Language Arts **MAP** Comparison: IN Counties



▣ 4th Grade Students Proficient in Math <b>MAP</b>	Comparison: IN Counties	
▣ 8th Grade Students Proficient in English/Language Arts <b>MAP</b>	Comparison: IN Counties	
▣ 8th Grade Students Proficient in Math <b>MAP</b>	Comparison: IN Counties	

## Environment

### Air

▣ Annual Ozone Air Quality <b>MAP</b>	Comparison: Air Quality Index	
▣ Annual Particle Pollution <b>MAP</b>	Comparison: Air Quality Index	
▣ Daily Ozone Air Quality	Comparison: Air Quality Index	
▣ Recognized Carcinogens Released into Air	Comparison: Prior Value	

### Built Environment

▣ Farmers Market Density	Comparison: U.S. Value	
▣ Fast Food Restaurant Density <b>MAP</b>	Comparison: U.S. Counties	
▣ Grocery Store Density <b>MAP</b>	Comparison: U.S. Counties	
▣ Households with No Car and Low Access to a Grocery Store <b>MAP</b>	Comparison: U.S. Counties	
▣ Liquor Store Density <b>MAP</b>	Comparison: U.S. Counties	
▣ Low-Income and Low Access to a Grocery Store <b>MAP</b>	Comparison: U.S. Counties	
▣ Recreation and Fitness Facilities	Comparison: U.S. Value	
▣ SNAP Certified Stores <b>MAP</b>	Comparison: U.S. Counties	

### Toxic Chemicals

▣ Houses Built Prior to 1950 <b>NEW</b> <b>MAP</b>	Comparison: U.S. Counties	
▣ PBT Released	Comparison: Prior Value	

## Water

- Drinking Water Safety **MAP**

Comparison: U.S. Counties



## Government & Politics

### Elections & Voting

- Voter Turnout **MAP**

Comparison: IN Counties



## Public Safety

### Transportation Safety

- Age-Adjusted Death Rate due to Motor Vehicle Collisions **MAP**

Comparison: U.S. Counties



## Social Environment

### Children's Social Environment

- Child Abuse Rate **MAP**

Comparison: IN Counties



### Family Structure

- Single-Parent Households **NEW** **MAP**

Comparison: U.S. Counties



### Neighborhood/Community Attachment

- People 65+ Living Alone **NEW** **MAP**

Comparison: U.S. Counties



## Transportation

### Commute To Work

- Mean Travel Time to Work **NEW** **MAP**

Comparison: U.S. Counties



- Workers who Drive Alone to Work **NEW** **MAP**

Comparison: U.S. Counties



### Personal Vehicle Travel

- Households without a Vehicle **NEW** **MAP**

Comparison: U.S. Counties



### Public Transportation

- Workers Commuting by Public Transportation **NEW** **MAP**

Comparison: U.S. Counties



## Environment

### Air

- |  |                               |
|--|-------------------------------|
| ▣ Annual Ozone Air Quality <b>MAP</b>      | Comparison: Air Quality Index |
| ▣ Annual Particle Pollution <b>MAP</b>     | Comparison: Air Quality Index |
| ▣ Daily Ozone Air Quality                  | Comparison: Air Quality Index |
| ▣ Recognized Carcinogens Released into Air | Comparison: Prior Value       |



### Built Environment

- |   |                           |
|---|---------------------------|
| ▣ Farmers Market Density  | Comparison: U.S. Value    |
| ▣ Fast Food Restaurant Density <b>MAP</b>                             | Comparison: U.S. Counties |
| ▣ Grocery Store Density <b>MAP</b>                                    | Comparison: U.S. Counties |
| ▣ Households with No Car and Low Access to a Grocery Store <b>MAP</b> | Comparison: U.S. Counties |
| ▣ Liquor Store Density <b>MAP</b>                                     | Comparison: U.S. Counties |
| ▣ Low-Income and Low Access to a Grocery Store <b>MAP</b>             | Comparison: U.S. Counties |
| ▣ Recreation and Fitness Facilities                                   | Comparison: U.S. Value    |
| ▣ SNAP Certified Stores <b>MAP</b>                                    | Comparison: U.S. Counties |



### Toxic Chemicals

- |  |                           |
|--|---------------------------|
| ▣ Houses Built Prior to 1950 <b>NEW</b> <b>MAP</b> | Comparison: U.S. Counties |
| ▣ PBT Released                                     | Comparison: Prior Value   |



### Water

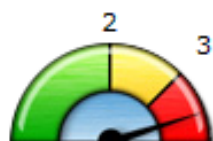
- |                                    |                           |
|------------------------------------|---------------------------|
| ▣ Drinking Water Safety <b>MAP</b> | Comparison: U.S. Counties |
|------------------------------------|---------------------------|



## Government & Politics


[Home](#) > [About Us](#)
[Home](#) > [Community Dashboard](#)

County



Red > 3  
Green ≤ 2  
In-between = Yellow  
[View the Legend](#)

## Daily Ozone Air Quality

**Value:** 4

**Measurement Period:** March 18, 2014 10:00 EDT

**Location:** County : Marion

**Comparison:** Air Quality Index

**Categories:** Environment / Air  
Health / Environmental & Occupational Health

### What is this Indicator?

This indicator shows today's level of ozone pollution.

Please note that the value represents the daily ozone air quality as measured by a monitor or combination of monitors near the stated location.

### Why this is important:

Ozone is an extremely reactive gas composed of three oxygen atoms. It is the primary ingredient of smog air pollution and very harmful to breathe. Ozone essentially attacks lung tissue by reacting chemically with it. It also damages crops, trees and other matter – even breaking down rubber compounds.

**Technical Note:** The distribution is based on data from AIRNow's rating system. Green values (0-50) represent good air quality days. Yellow values (51-100) represent moderate air quality. Red values represent conditions that are unhealthy to sensitive groups (101-150), unhealthy (151-200), very unhealthy (201-300) and hazardous (>300).



### RELATED CONTENT

#### INDICATORS

- [Annual Ozone Air Quality](#) **MAP**
- [Recognized Carcinogens Released into Air](#)
- [PBT Released](#)
- [Workers Commuting by Public Transportation](#) **NEW** **MAP**
- [Households without a Vehicle](#) **NEW** **MAP**
- [Annual Particle Pollution](#) **MAP**

[More](#)

#### PROMISING PRACTICES

- [Outdoor Air Quality Flag Program](#)
- [Air North Texas](#)
- [AirNow](#)
- [Green Flag Incentive Program](#)
- [Harris County Public Health Ozone Monitoring Network](#)
- [Breathe Better Air at](#)

- [Community Dashboard](#)
- [Disparities Dashboard](#)
- [Healthy People 2020 Tracker](#)
- [Demographics](#)
- [Promising Practices](#)
- [Report Center](#)
- [Report Assistant](#)

# Community Dashboard

Location Type: Location: Breakout By: Order By: [View the Legend](#)

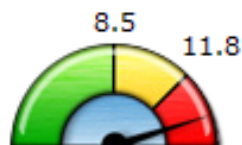
## Indicators for County: Marion

### Health

▪ Social and Economic Factors Ranking <b>MAP</b>	Comparison: IN Counties	
▪ Age-Adjusted Hospitalization Rate due to Diabetes <b>MAP</b>	Comparison: IN Counties	
▪ Age-Adjusted Hospitalization Rate due to Long-Term Complications of Diabetes <b>MAP</b>	Comparison: IN Counties	
▪ Age-Adjusted Hospitalization Rate due to Hepatitis <b>MAP</b>	Comparison: IN Counties	
▪ Chlamydia Incidence Rate <b>MAP</b>	Comparison: IN Counties	
▪ Chronic Kidney Disease: Medicare Population <b>MAP</b>	Comparison: U.S. Counties	
▪ Age-Adjusted Hospitalization Rate due to Adult Asthma <b>MAP</b>	Comparison: IN Counties	
▪ Age-Adjusted Hospitalization Rate due to Asthma <b>MAP</b>	Comparison: IN Counties	
▪ Age-Adjusted Hospitalization Rate due to Pediatric Asthma <b>MAP</b>	Comparison: IN Counties	
▪ Age-Adjusted Hospitalization Rate due to Short-Term Complications of Diabetes <b>MAP</b>	Comparison: IN Counties	

County

Time Period



Red > 11.8  
Green ≤ 8.5  
In-between = Yellow  
Unit:  
hospitalizations/10,000  
population under 18  
years

[View the Legend](#)

## Age-Adjusted Hospitalization Rate due to Pediatric Asthma

**Value:** 32.7 hospitalizations/10,000  
population under 18 years

**Measurement  
Period:** 2009-2011

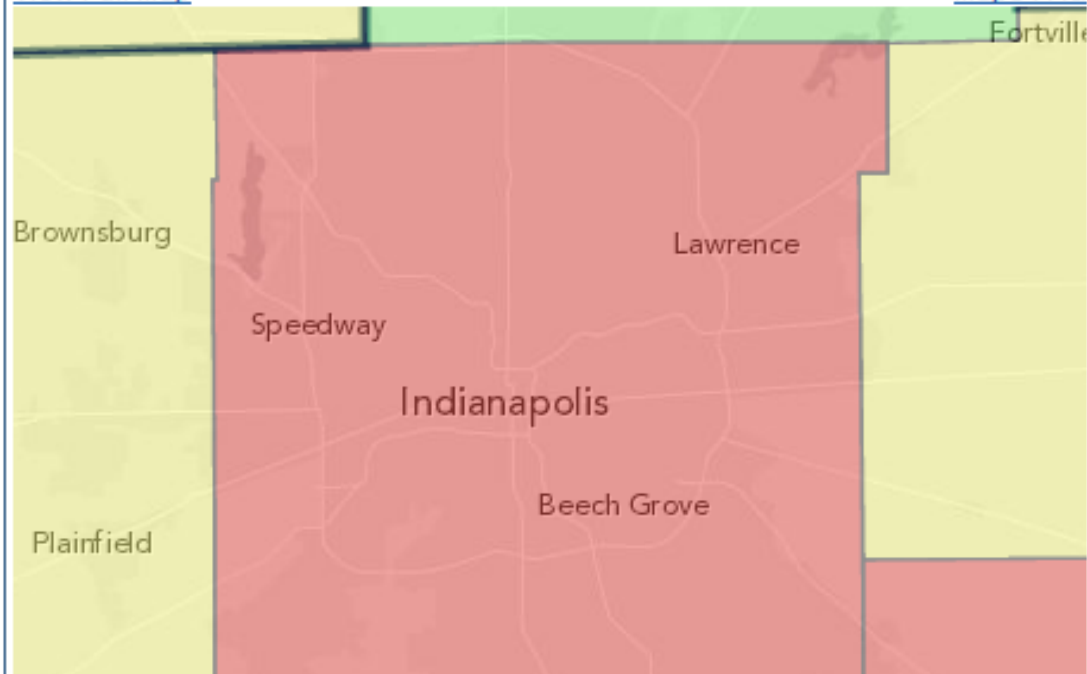
**Location:** County : Marion  
[ [View Every County](#) ]

**Comparison:** IN Counties

**Categories:** Health / Respiratory Diseases  
Health / Children's Health  
Health / Environmental &  
Occupational Health

[View Full Map](#)

[Maps FAQ](#)



## RELATED CONTENT

### INDICATORS

- [Age-Adjusted Hospitalization Rate due to Asthma](#) [MAP](#)
- [Age-Adjusted Hospitalization Rate due to Adult Asthma](#) [MAP](#)
- [Age-Adjusted Hospitalization Rate due to COPD](#) [MAP](#)
- [Age-Adjusted Death Rate due to Chronic Lower Respiratory Diseases](#) [MAP](#)
- [Age-Adjusted Hospitalization Rate due to Immunization-Preventable Pneumonia and Influenza](#) [MAP](#)
- [Age-Adjusted Hospitalization Rate due to Bacterial Pneumonia](#) [MAP](#)

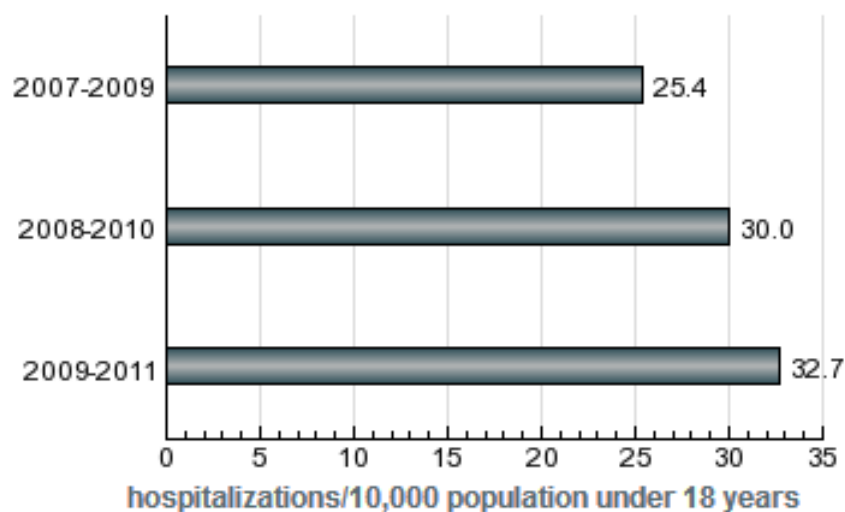
[More](#)

### PROMISING PRACTICES

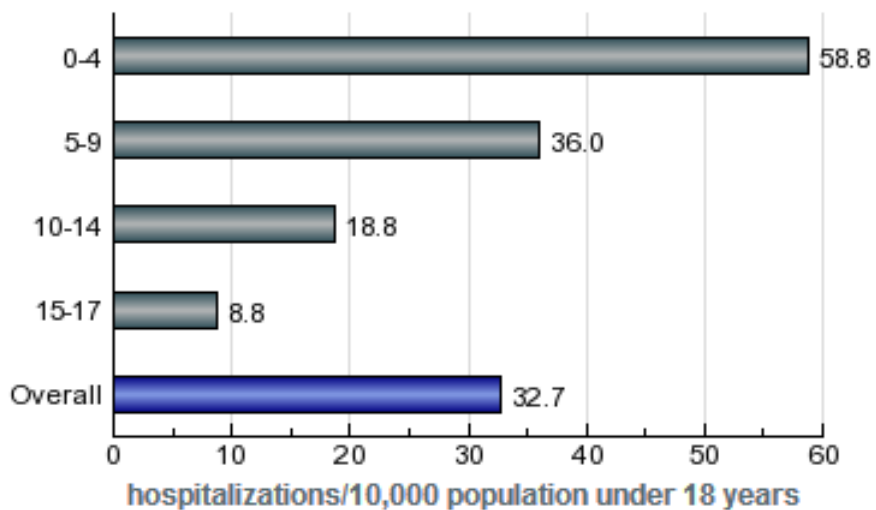
- [Breathmobile®](#)
- [Coordinated Asthma Referral and Education \(CARE\) Program](#)
- [Texas Emergency Department Asthma Surveillance](#)

- [Healthy People 2020 Tracker](#)
- [Demographics](#)
- [Promising Practices](#)
- [Report Center](#)
- [Report Assistant](#)

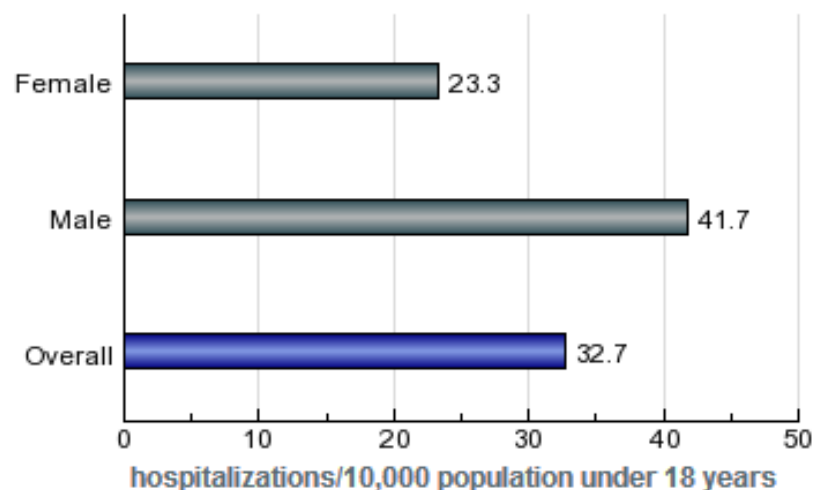
### Time Series Data



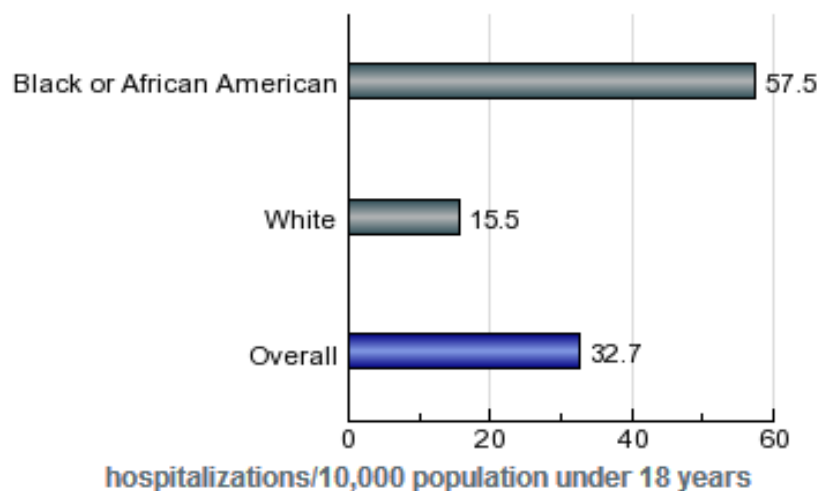
### Age-Adjusted Hospitalization Rate due to Pediatric Asthma by Age



### Age-Adjusted Hospitalization Rate due to Pediatric Asthma by Gender



### Age-Adjusted Hospitalization Rate due to Pediatric Asthma by Race/Ethnicity



County

Time Period

RELATED CONTENT

- Healthy People 2020 Tracker
- Demographics
- Promising Practices
- Report Center
- Report Assistant

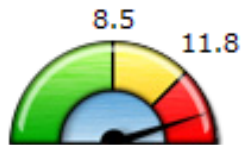
## INDICATORS

- [Age-Adjusted Hospitalization Rate due to Asthma](#) **MAP**
- [Age-Adjusted Hospitalization Rate due to Adult Asthma](#) **MAP**
- [Age-Adjusted Hospitalization Rate due to COPD](#) **MAP**
- [Age-Adjusted Death Rate due to Chronic Lower Respiratory Diseases](#) **MAP**
- [Age-Adjusted Hospitalization Rate due to Immunization-Preventable Pneumonia and Influenza](#) **MAP**
- [Age-Adjusted Hospitalization Rate due to Bacterial Pneumonia](#) **MAP**

[More](#)

## PROMISING PRACTICES

- [Breathmobile®](#)
- [Coordinated Asthma Referral and Education \(CARE\) Program](#)
- [Texas Emergency Department Asthma Surveillance](#)



Red > 11.8  
Green <= 8.5  
In-between = Yellow  
Unit:  
hospitalizations/10,000  
population under 18  
years

[View the Legend](#)

## Age-Adjusted Hospitalization Rate due to Pediatric Asthma

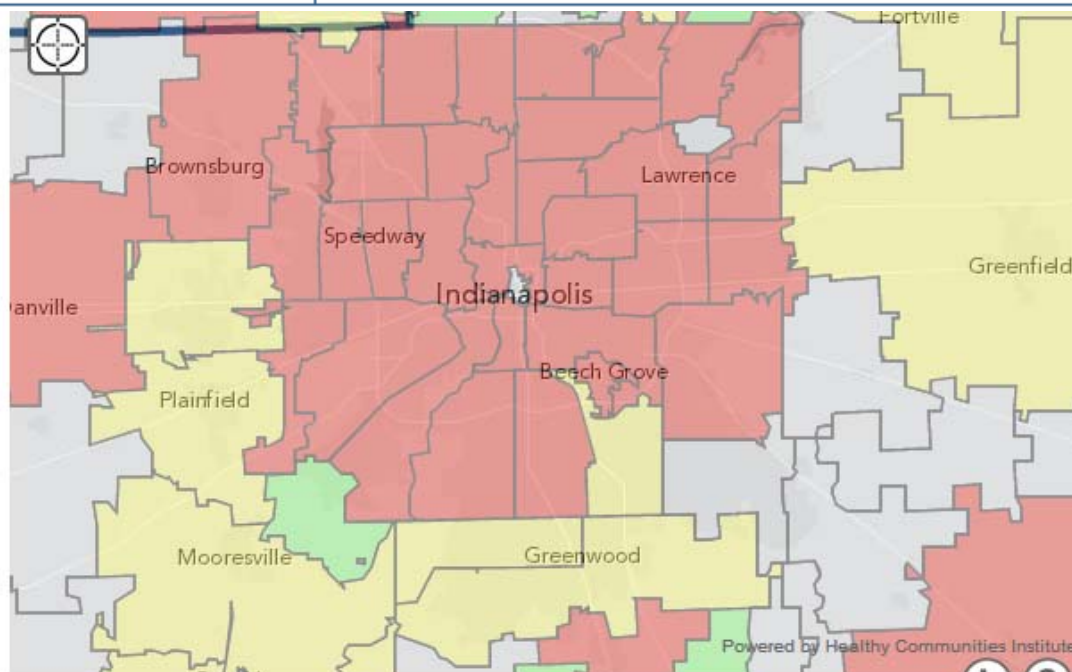
**Value:** 32.7 hospitalizations/10,000 population under 18 years

**Measurement Period:** 2009-2011

**Location:** County : Marion  
[\[ View Every County \]](#)

**Comparison:** IN Counties

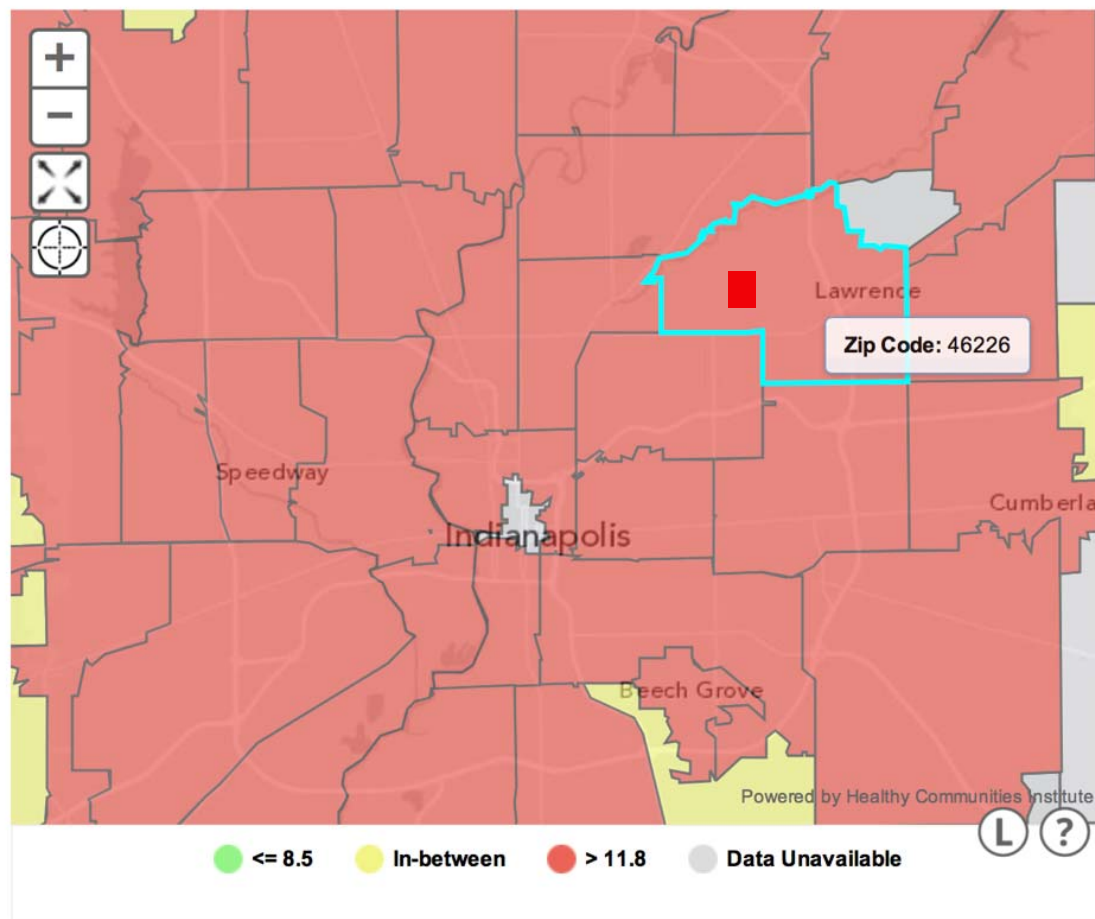
**Categories:** Health / Respiratory Diseases  
Health / Children's Health  
Health / Environmental & Occupational Health



● <= 8.5 ● In-between ● > 11.8 ● Data Unavailable



## ⌂ Age-Adjusted Hospitalization Rate due to Pediatric Asthma (Hospitalizations/10,000 population under 18 years)



Indicator View:  [Clear](#)

Age-Adjusted  
Hospitalization  
Rate due to  
Pediatric Asthma

Zip Code  
46226



42.8  
Hospitalizations/10,000  
population under 18 years

Measurement Period: 2009-2011  
Source: Indiana Hospital Association  
Comparison: IN Counties

## RELATED CONTENT

### INDICATORS

- [Age-Adjusted Hospitalization Rate due to Asthma](#) [MAP](#)
- [Age-Adjusted Hospitalization Rate due to Adult Asthma](#) [MAP](#)
- [Age-Adjusted Hospitalization Rate due to COPD](#) [MAP](#)
- [Age-Adjusted Death Rate due to Chronic Lower Respiratory Diseases](#) [MAP](#)
- [Age-Adjusted Hospitalization Rate due to Immunization-Preventable Pneumonia and Influenza](#) [MAP](#)
- [Age-Adjusted Hospitalization Rate due to Bacterial Pneumonia](#) [MAP](#)

[More](#)

### PROMISING PRACTICES

- [Breathmobile®](#)
- [Coordinated Asthma Referral and Education \(CARE\) Program](#)
- [Texas Emergency Department Asthma Surveillance](#)

- [Healthy People 2020 Tracker](#)
- [Demographics](#)
- [Promising Practices](#)
- [Report Center](#)
- [Report Assistant](#)

# Promising Practices

The Promising Practices database informs professionals and community members about documented approaches to improving community health and quality of life.

The ultimate goal is to support the systematic adoption, implementation, and evaluation of successful programs, practices, and policy changes. The database provides carefully reviewed, documented, and ranked practices that range from good ideas to evidence-based practices. Learn more about the [ranking methodology](#).

[+ Submit a Promising Practice](#)

## Bay Area Adult ADHD (California)

**LOCAL**

Filed under [Local](#), [Evidence-Based Practice](#), [Health / Mental Health & Mental Disorders](#), [Adults](#), [Women](#), [Men](#)

**GOAL:** There are 8 million Adults in the US that are struggling with symptoms of ADHD yet fewer than 11% of these adults have received a diagnosis or treatment for their symptoms. The mission of Bay Area Adult ADHD is to improve the lives of people affected by ADHD through raising awareness of the disorder, helping increasing numbers of individuals impacted by this disorder receive services, and to continue to build collaboration among clinicians in the field who work with ADHD.

## Flex Your Power Case Study: Elihu M Harris State Building (San Francisco)

**LOCAL**

Search Filters [Clear all](#)  
(2125 results)

### Keyword Search ?

[Search](#)

### Sorting

Sort by relevance ▾

### Ranking

- ☐ Evidence-Based Practice
- ☐ Effective Practice
- ☐ Good Idea

### Featured ?

- ☐ Local
- ☐ CDC Community Guide
- ☐ Spotlight

### Primary Target Audience

- ☐ Children
- ☐ Teens
- ☐ Adults
- ☐ Women
- ☐ Men

# Promising Practices

The Promising Practices database informs professionals and community members about documented approaches to improving community health and quality of life.

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[+ Submit a Promising Practice](#)

## Yes We Can Urban Asthma Partnership (San Francisco, CA)

**LOCAL**

Filed under [Local](#), [Evidence-Based Practice](#), [Health / Children's Health](#), [Children](#), [Urban](#)

**GOAL:** The goal of the Yes We Can Urban Asthma Partnership is to improve asthma control among low-income children with asthma.

## Asthma Basics for Children (ABC) (New York, NY)

Filed under [Evidence-Based Practice](#), [Health / Respiratory Diseases](#), [Children](#), [Urban](#)

**GOAL:** The goal of the program was to provide a multi-layered asthma management program for parents, children, and staff of early childhood centers.

Search Filters [Clear all](#)  
(14 results)

[Save a link to this search](#)

### Keyword Search ?

Search

### Sorting

Sort by relevance ▼

### Ranking

- ☒ Evidence-Based Practice
- ☐ Effective Practice
- ☐ Good Idea

### Featured ?

- ☐ Local
- ☐ CDC Community Guide
- ☐ Spotlight

### Primary Target Audience

- ☒ Children
- ☐ Teens
- ☐ Adults
- ☐ Women

# Asthma Basics for Children (ABC)

An Evidence-Based Practice 

## Description

Funded by CDC's Controlling Asthma in America's Cities Project, this multi-level intervention sought to provide a preschool-based asthma management program for children in New York City. The program consisted of the following components: 1) training early childhood center staff about asthma basics, identification and management, 2) identifying children with asthma via a parent questionnaire, 3) providing two 1-hour asthma education workshops for parents and supplemental education activities, 4) educating children about asthma signs and triggers through games, activities and video, 5) reducing asthma triggers at the centers by training teachers as well as janitorial and kitchen staff, and 6) inviting parent-identified physicians to enroll in a quarterly Physician Asthma Care Education (PACE) 4-hour training, as well as providing these clinicians with additional tools for working with parents.

## Goal / Mission


The goal of the program was to provide a multi-layered asthma management program for parents, children, and staff of early childhood centers.

## Results / Accomplishments

From 2003 to 2008, 31 early childhood centers from communities with high rates of early childhood asthma hospitalization enrolled in the program. Of the 871 parents enrolled in the program, 85% reported reducing triggers for their child and 80% felt confident in their ability to manage their child's asthma. When compared to baseline data, the program followed by the centers resulted in a 10% reduction in asthma hospitalizations.

### RELATED PROMISING PRACTICES

- 1 Early HeartSmarts Program
- 2 Physician Asthma Care Education (PACE)
- 3 Early Literacy and Learning Model
- 4 Fight Asthma Milwaukee Allies
- 5 Home Instruction for Parents of Preschool Youngsters (HIPPY)
- 6 Long Beach Alliance for Children with Asthma (LBACA)

More 

enrolled in the program, 85% reported reducing triggers for their child and 80% felt confident in their ability to manage their child's asthma. When compared to baseline data, parents at follow-up reported a decrease in daytime and nighttime symptoms, daycare absences, asthma-related emergency department (ED) visits, and asthma-related hospitalizations ( $p < 0.001$  for all).

Children who had more exposure to the ABC program because of parent and/or physician participation had the best outcomes. For example, children who did not have a parent or physician participate did not have a significant decrease in asthma-related ED visits in the previous 6 months ( $p = 0.108$ ). In comparison, children whose parent or physician participated did have a significant decrease in these ED visits ( $p < 0.001$  for parent and  $p = 0.001$  for physician).

---

## About this Promising Practice

### Primary Contact

Sally Findley, PhD, MURP, MA  
Heilbrunn Department of Population and Family Health  
Mailman School of Public Health  
Columbia University  
60 Haven Avenue #B2  
New York, New York 10032  
212-304-5200  
[sef5@columbia.edu](mailto:sef5@columbia.edu)  
<http://www.mailman.columbia.edu/academic-departmen...>

### Categories

Health / Respiratory Diseases  
Health / Children's Health  
Education / Childcare & Early Childhood Education

### Organization(s)

Columbia University, Mailman School of Public Health

### Source

Journal of Urban Health: Bulletin of the New York Academy of Medicine

### Date of publication

Feb 2011

### Date of implementation

2003

### Geographic Type

Urban

### Location

New York, NY

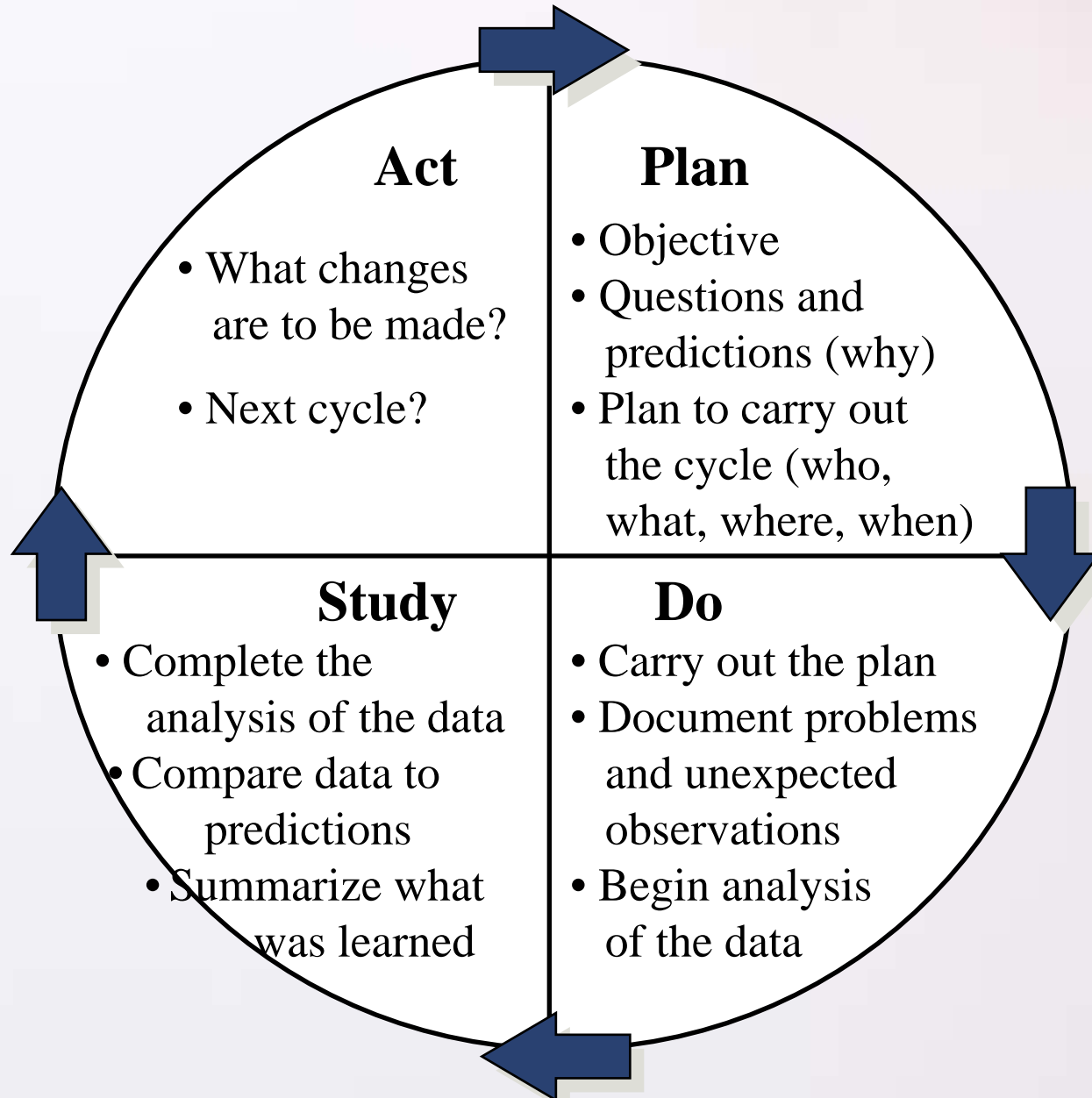
### For more details

<http://www.ncbi.nlm.nih.gov/pubmed/21337055>  
<http://www.aafa.org/display.cfm?id=4&sub=79&cont=4...>

### Target Audience

Children

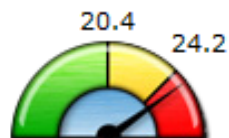
# The PDSA Cycle for Continuous Improvement



County

Time Period

HP 2020 Target



## Adults who Smoke

**Value:** 25.7 percent

**Measurement Period:** 2005-2011

**Location:** County : Marion  
[ [View Every County](#) ]

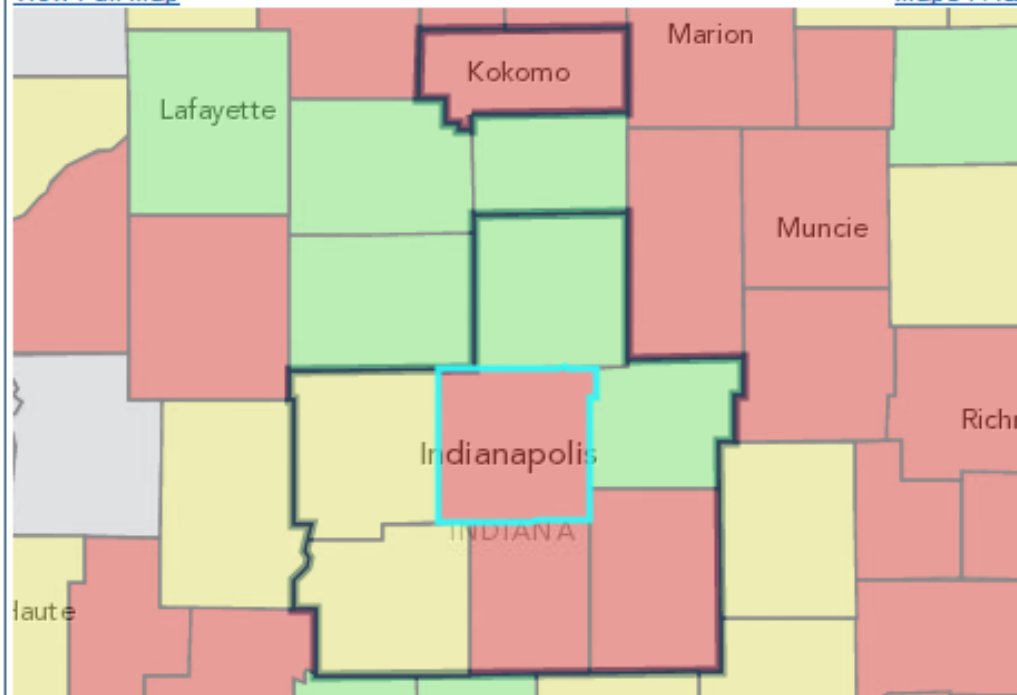
**Comparison:** U.S. Counties

**Categories:** Health / Substance Abuse

Red > 24.2  
Green <= 20.4  
In-between = Yellow  
Unit: percent  
[View the Legend](#)

[View Full Map](#)

[Maps FAQ](#)



### What is this Indicator?

This indicator shows the percentage of adults who currently smoke cigarettes.

### Why this is important:

Tobacco is the agent most responsible for avoidable illness and death in America today. Tobacco use brings premature death to almost half a million Americans each year, and it contributes to profound disability and pain in many others.

## RELATED CONTENT

- [Healthy People 2020 Tracker](#)
- [Demographics](#)
- [Promising Practices](#)
- [Report Center](#)
- [Report Assistant](#)

## INDICATORS

• [Mothers who Smoked During Pregnancy](#)

[MAP](#)

• [COPD: Medicare Population](#)

[MAP](#)

• [Age-Adjusted Death Rate due to Lung Cancer](#)

[MAP](#)

• [Lung and Bronchus Cancer Incidence Rate](#)

[MAP](#)

• [Preterm Births](#)

[MAP](#)

• [Babies with Very Low Birth Weight](#)

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## PROMISING PRACTICES

• [Commit to Quit](#)

• [New York State Smokers' Quitline](#)

• [Web-Based Committed Quitters Stop Smoking Plan](#)

• [Not-On-Tobacco \(N-O-T\)](#)

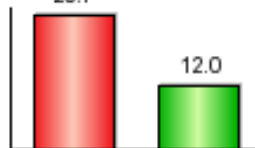
• [Put It Out Rockland](#)

• [Sonoma County Tobacco Use Prevention](#)

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[County](#)
[Time Period](#)
[HP 2020 Target](#)
**Target Not Met**

25.7



Current Target

## Adults who Smoke

**Value:** 25.7 percent

**Healthy People 2020 Target:** 12.0 percent

**Measurement Period:** 2005-2011

**Location:** County : Marion  
[ [View Every County](#) ]

**Comparison:** Healthy People 2020 Target

**Categories:** Health / Substance Abuse

Unit: percent

[View the Legend](#)

### What is this Indicator?

This indicator shows the percentage of adults who currently smoke cigarettes.

### Why this is important:

Tobacco is the agent most responsible for avoidable illness and death in America today. Tobacco use brings premature death to almost half a million Americans each year, and it contributes to profound disability and pain in many others. Approximately one-third of all tobacco users in this country will die prematurely because of their dependence on tobacco. Areas with a high smoking prevalence will also have greater exposure to secondhand smoke for non-smokers, which can cause or exacerbate a wide range of adverse health effects, including cancer, respiratory infections, and asthma.

The Healthy People 2020 national health target is to reduce the proportion of



### RELATED CONTENT

- [Community Dashboard](#)
- [Disparities Dashboard](#)
- [Healthy People 2020 Tracker](#)
- [Demographics](#)
- [Promising Practices](#)
- [Report Center](#)
- [Report Assistant](#)

### INDICATORS

- [Mothers who Smoked During Pregnancy](#)

[MAP](#)

- [COPD: Medicare Population](#)

[MAP](#)

- [Age-Adjusted Death Rate due to Lung Cancer](#)

[MAP](#)

- [Lung and Bronchus Cancer Incidence Rate](#)

[MAP](#)

- [Preterm Births](#)

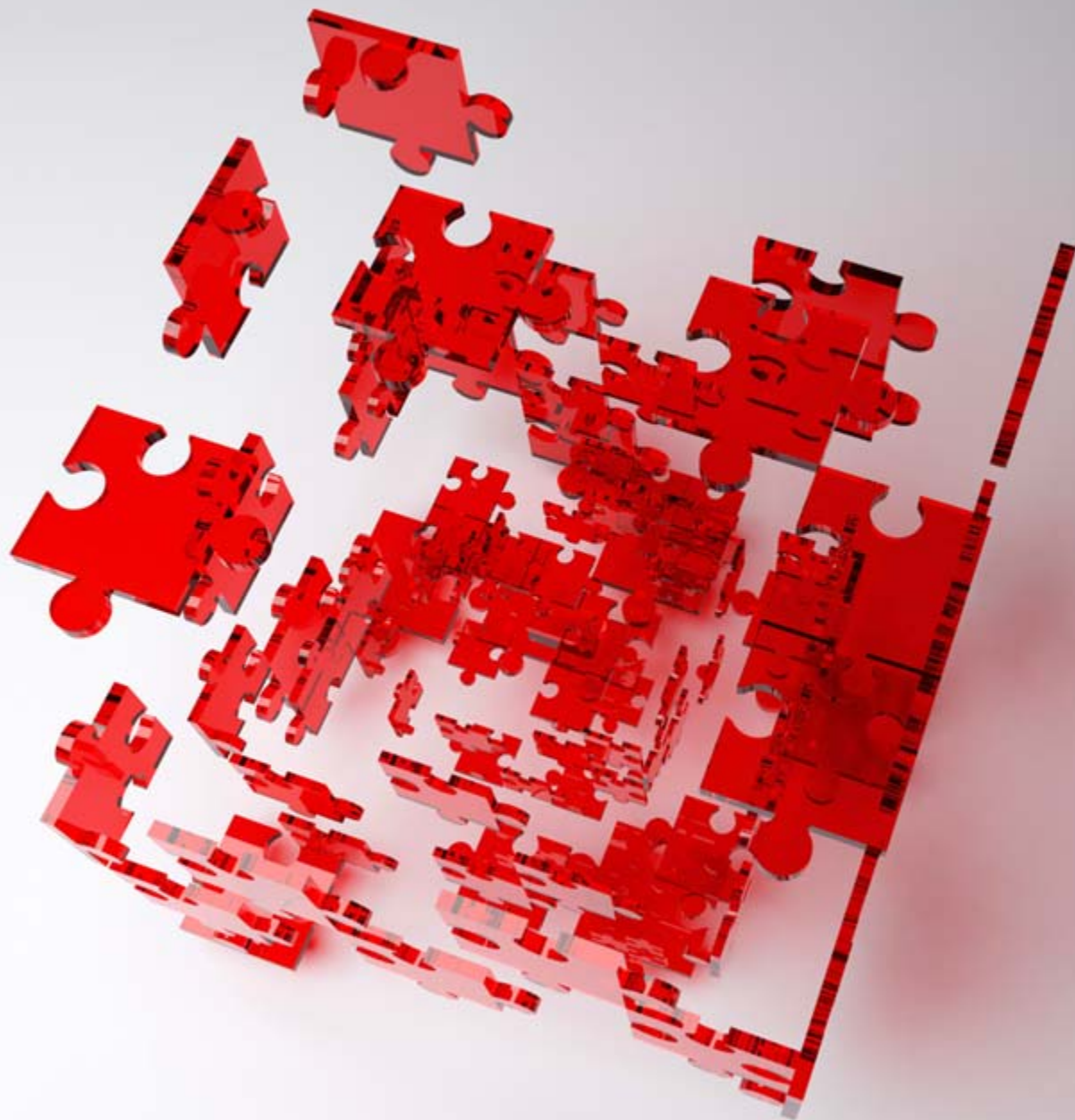
[MAP](#)

- [Babies with Very Low Birth Weight](#)

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### PROMISING PRACTICES

- [Commit to Quit](#)
- [New York State Smokers' Quitline](#)
- [Web-Based Committed Quitters Stop Smoking Plan](#)
- [Not-On-Tobacco \(N-O-T\)](#)



# Case Study



## Strategy

- Contain or Reduce Costs of Care
- Improve Access to Care

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## ► Community Dashboard

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Location Type:

Location:

Breakout By:

Order By:

## Indicators for County: San Francisco

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### Health

▪ Liver and Bile Duct Cancer Incidence Rate 	Comparison: U.S. Counties	
▪ Age-Adjusted Death Rate due to HIV/AIDS	Comparison: CA Counties	
▪ AIDS Incidence Rate	Comparison: CA Counties	
▪ Chlamydia Incidence Rate	Comparison: US Metropolitan Statistical Areas	
▪ Gonorrhea Incidence Rate	Comparison: US Metropolitan Statistical Areas	
▪ Influenza Vaccination Rate 65+	Comparison: CA Counties	
▪ Primary and Secondary Syphilis Incidence Rate	Comparison: US Metropolitan Statistical Areas	
▪ Tuberculosis Incidence Rate 	Comparison: CA Counties	
▪ Osteoporosis: Medicare Population  	Comparison: U.S. Counties	
▪ Children and Teens with Asthma 	Comparison: CA Counties	
▪ Adults who Binge Drink 	Comparison: CA Counties	
▪ Age-Adjusted ER Rate due to Alcohol Abuse 	Comparison: CA Counties	
▪ Teens who have Used Alcohol 	Comparison: CA Counties	
▪ Youth who Smoke 	Comparison: CA Counties	

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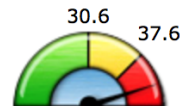
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**County** **Community Target**



Red > 37.6  
Green <= 30.6  
In-between = Yellow  
Unit: ER visits/10,000 population 18+ years  
[View the Legend](#)

## Age-Adjusted ER Rate due to Alcohol Abuse

**Value:** 60.9 ER visits/10,000 population 18+ years

**Measurement Period:** 2009-2011

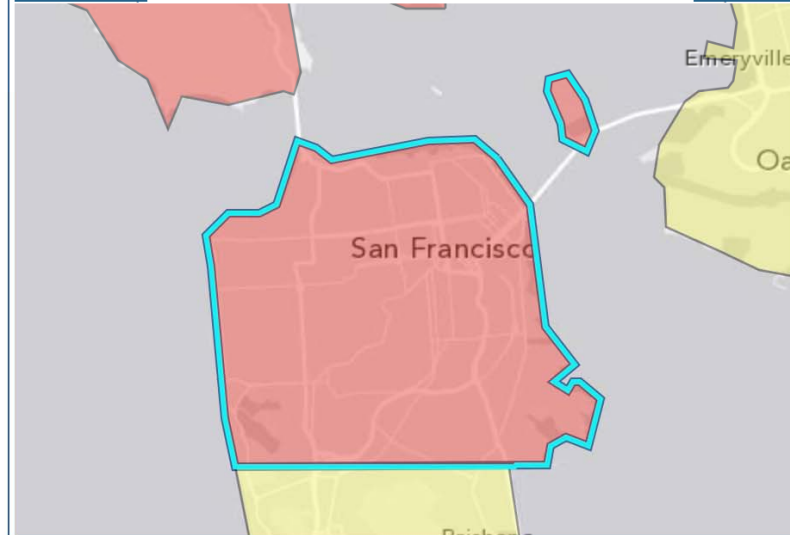
**Location:** County : San Francisco  
[\[ View All Location Types \]](#)

**Comparison:** CA Counties

**Categories:** Health / Substance Abuse  
Health / Mental Health & Mental Disorders  
Health / Other Chronic Diseases

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## What is this Indicator?

This indicator shows the average annual age-adjusted emergency room visit rate due to acute or chronic alcohol abuse per 10,000 population aged 18 years and older. "Alcohol abuse" includes alcohol dependence syndrome, nondependent alcohol abuse, alcoholic psychoses, excessive blood level of alcohol, and fetal

## RELATED CONTENT

### 211 LOCAL RESOURCES

- [Substance Abuse](#)
  - [Substance Abuse](#)
  - [Psychiatric Services](#)
- [More](#)

### COMMUNITY VITAL SIGNS

- [2012 Champion Report: ER Rate Due to Alcohol Abuse](#)
- [Affinity Group Meeting Series 2011](#)

### NEWS

- [Alcoholism increasing among San Franciscans](#)
  - [Folk Medicine Therapy May Prevent Alcoholic Relapse](#)
  - [Alcohol on screen drives viewers to drink: study](#)
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### INDICATORS

- [Age-Adjusted Hospitalization Rate due to Alcohol Abuse](#) [MAP](#)
  - [Teens who have Used Alcohol](#) [MAP](#)
  - [Adults who Binge Drink](#) [MAP](#)
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### PROMISING PRACTICES

- [Alcohol Misuse Prevention Study](#)

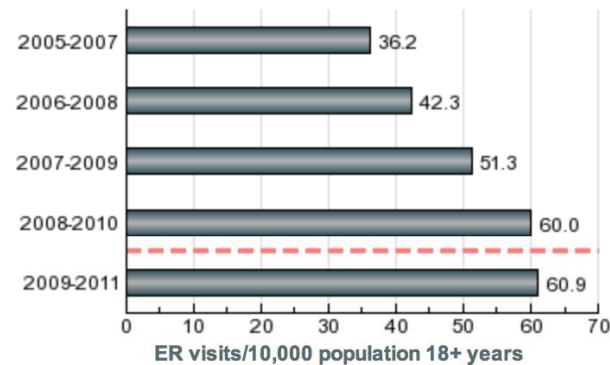
Michelle Schneidermann is a UCSF Associate Professor of Medicine in the Division of Hospital Medicine at San Francisco General Hospital, and the Medical Director of the San Francisco Medical Respite and Sobering Center.

Please address correspondence to SF Sobering Center, Attn: Shannon Smith-Bernardin; 1171 Mission Street; San Francisco, CA 94103; (415) 734-4209; [shannon.smith-bernardin@sfdph.org](mailto:shannon.smith-bernardin@sfdph.org)

**Maintained By:** Healthy Communities Institute

**Last Updated:** April 2013

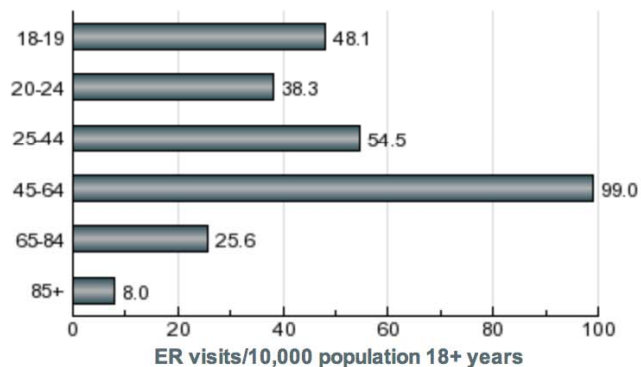
#### Time Series Data



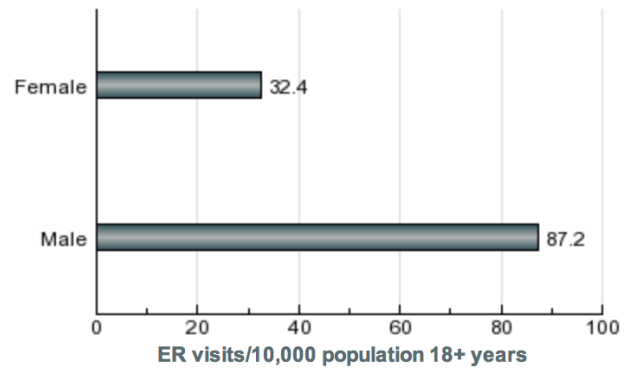
--- Indicates a change in methodology

2009-2011 Rates for the 2008-2010 time period and earlier were calculated using population figures from the 2000 U.S. Census. Use caution when comparing to rates for 2009-2011 and later, which were calculated using population figures from the 2010 U.S. Census.

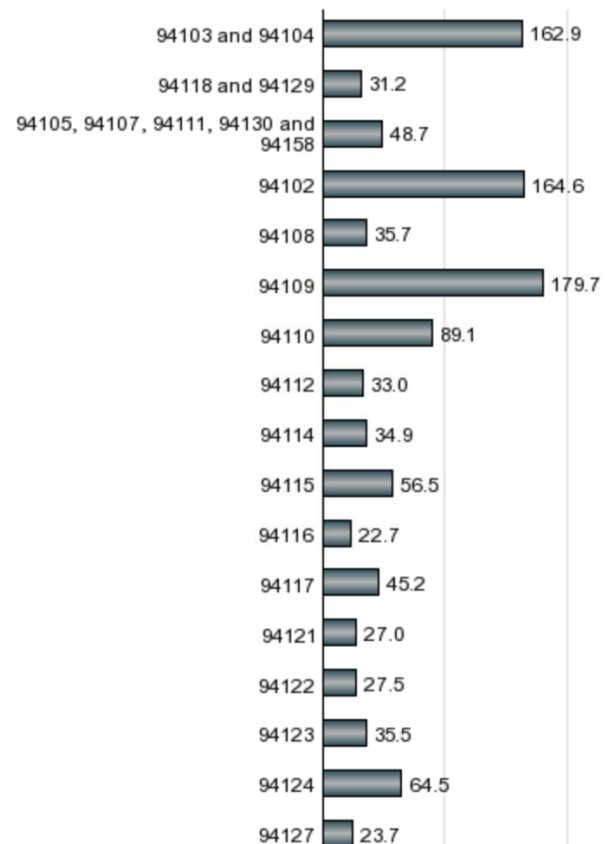
#### ER Rate due to Alcohol Abuse by Age

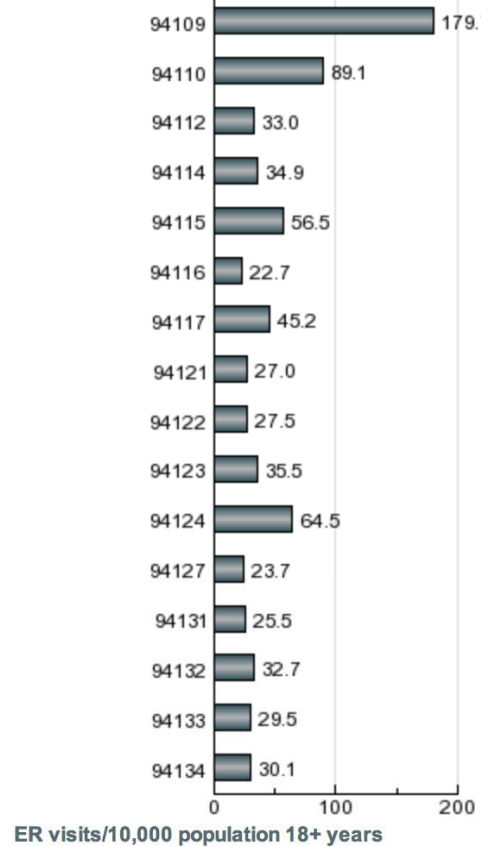


### Age-Adjusted ER Rate due to Alcohol Abuse by Gender

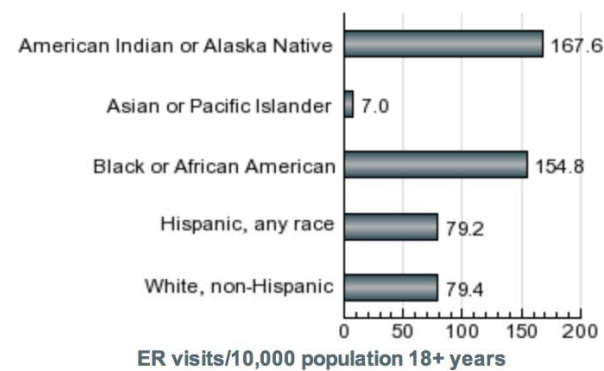


### Age-Adjusted ER Rate due to Alcohol Abuse by Neighborhood





### Age-Adjusted ER Rate due to Alcohol Abuse by Race/Ethnicity



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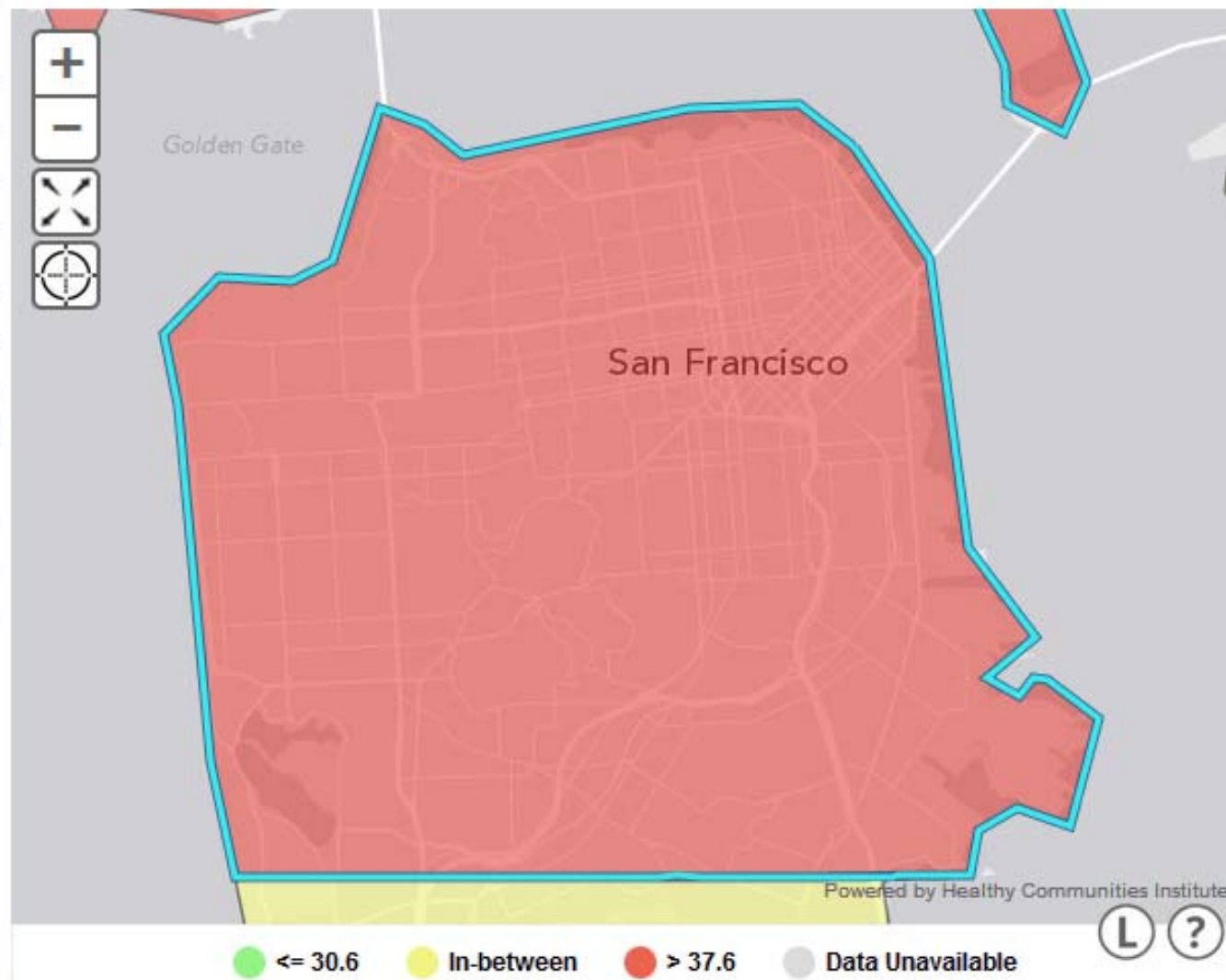
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## Age-Adjusted ER Rate due to Alcohol Abuse (ER visits/10,000 population 18+ years)



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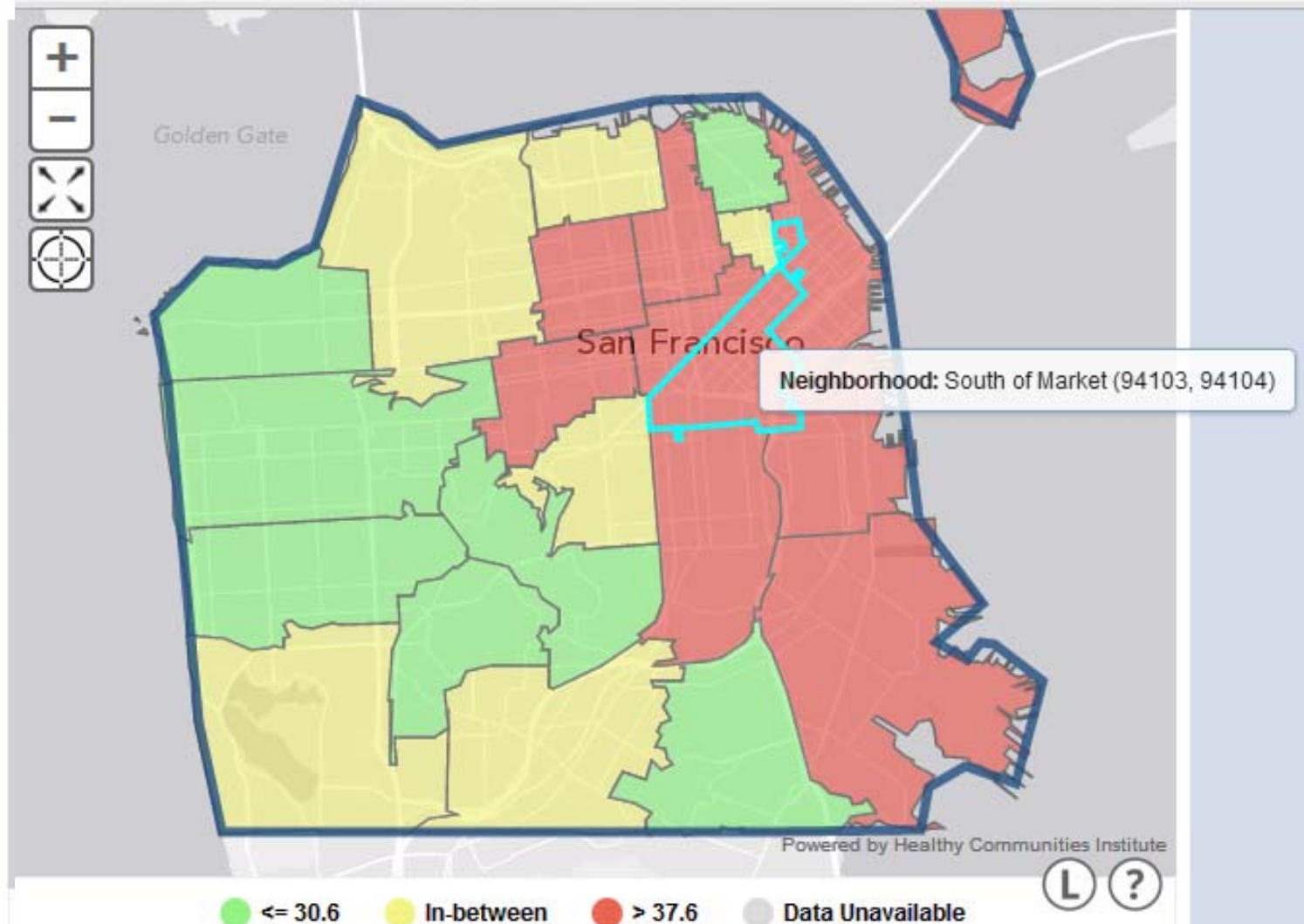
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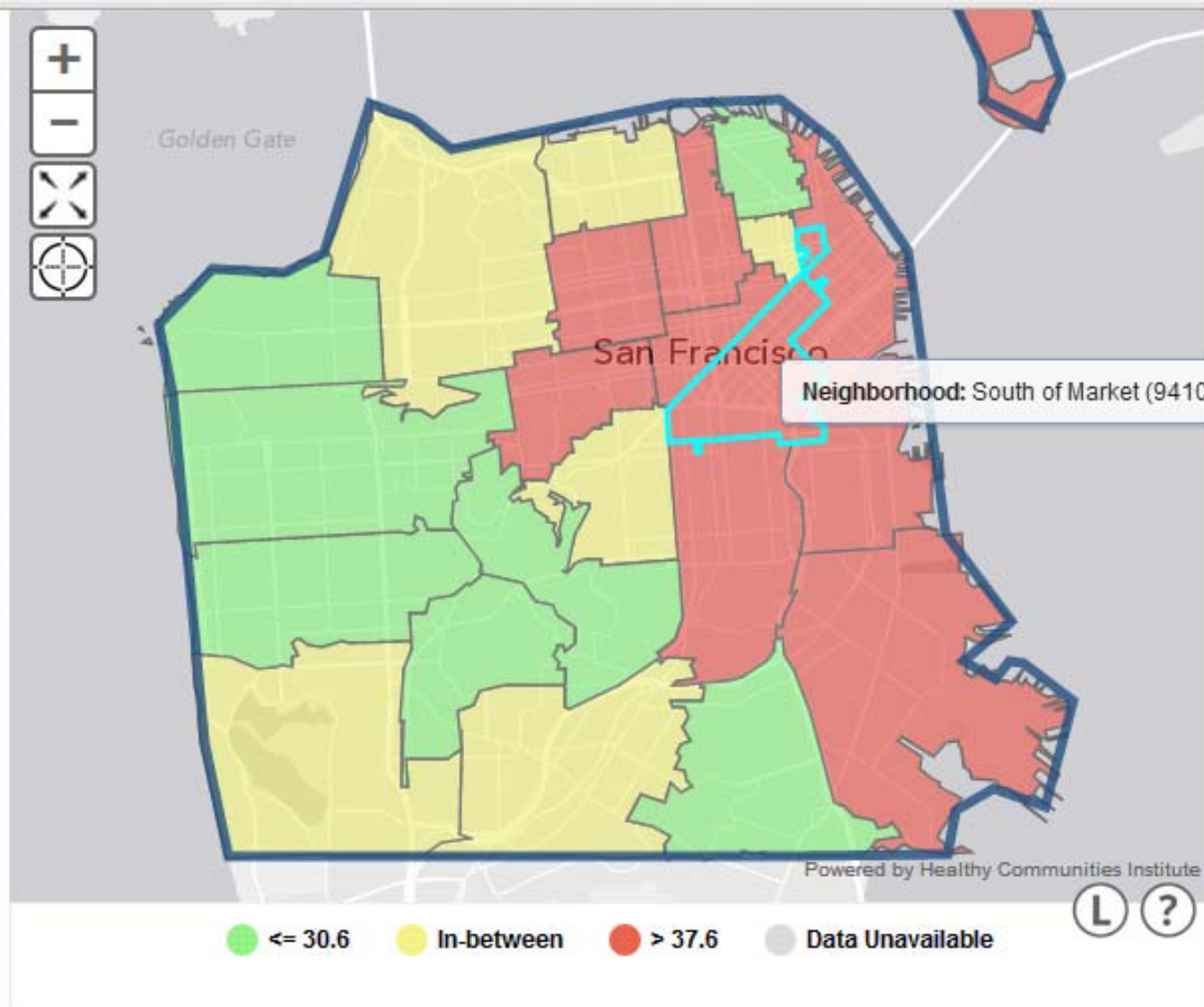
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## Age-Adjusted ER Rate due to Alcohol Abuse (ER visits/10,000 population 18+ years)



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Indicator View: Neighborhood ▼ [Clear](#)

Age-Adjusted ER  
Rate due to  
Alcohol Abuse

**Neighborhood**  
**South of Market**  
**(94103, 94104)**

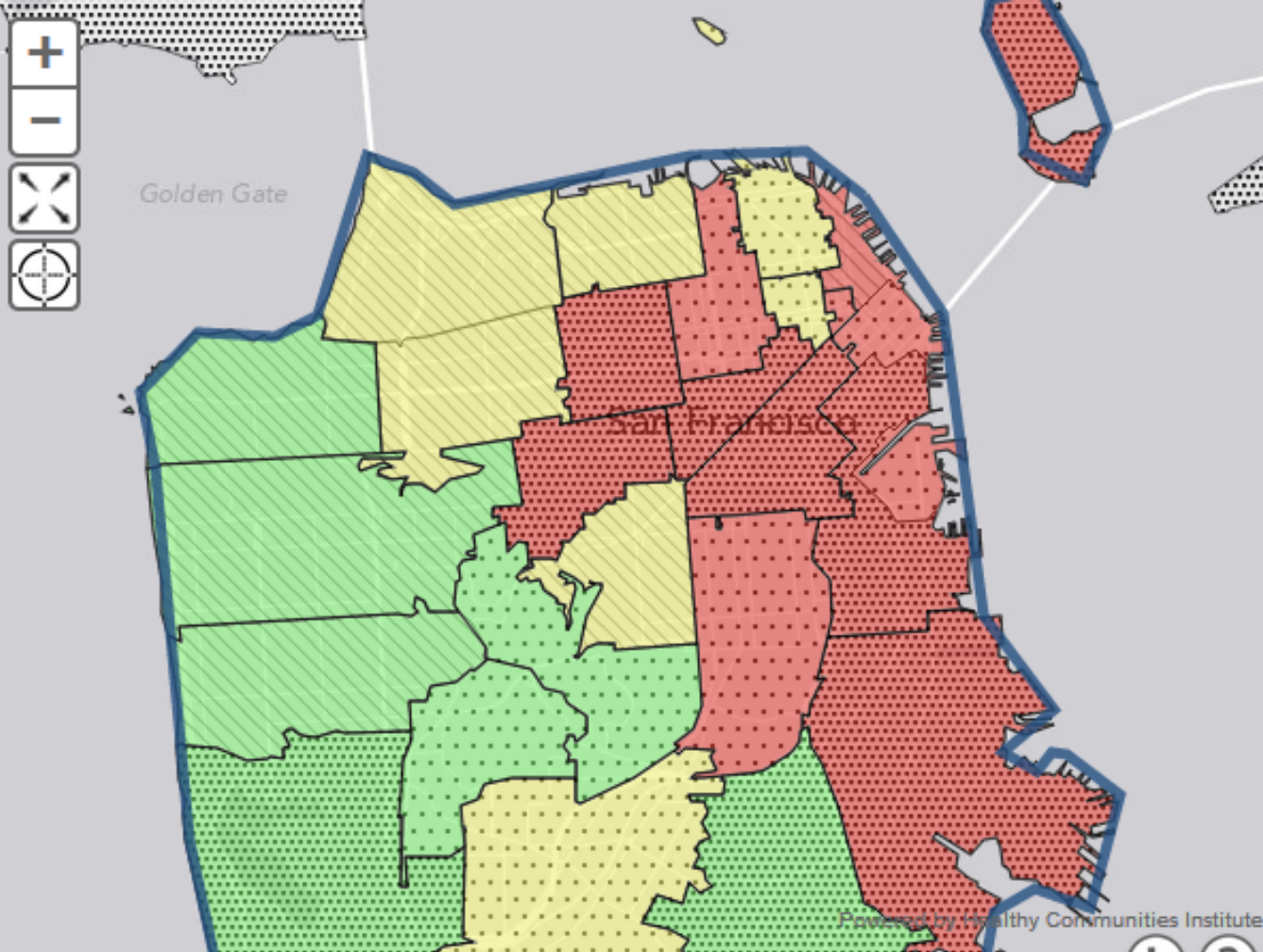


**162.9 ER visits/10,000**  
**population 18+ years**

Measurement Period: 2009-2011

Source: California Office of Statewide Health

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● ≤ 31.9    ● In-between    ● > 39.5    ● Data Unavailable

% Pop: Black/African Am.

▨ 0 - 0.88    ▨ 0.88 - 2.03    ▨ 2.03 - 4.97    ▨ 4.97 - 81.74





**Demographics View:**

Zip Code ▼

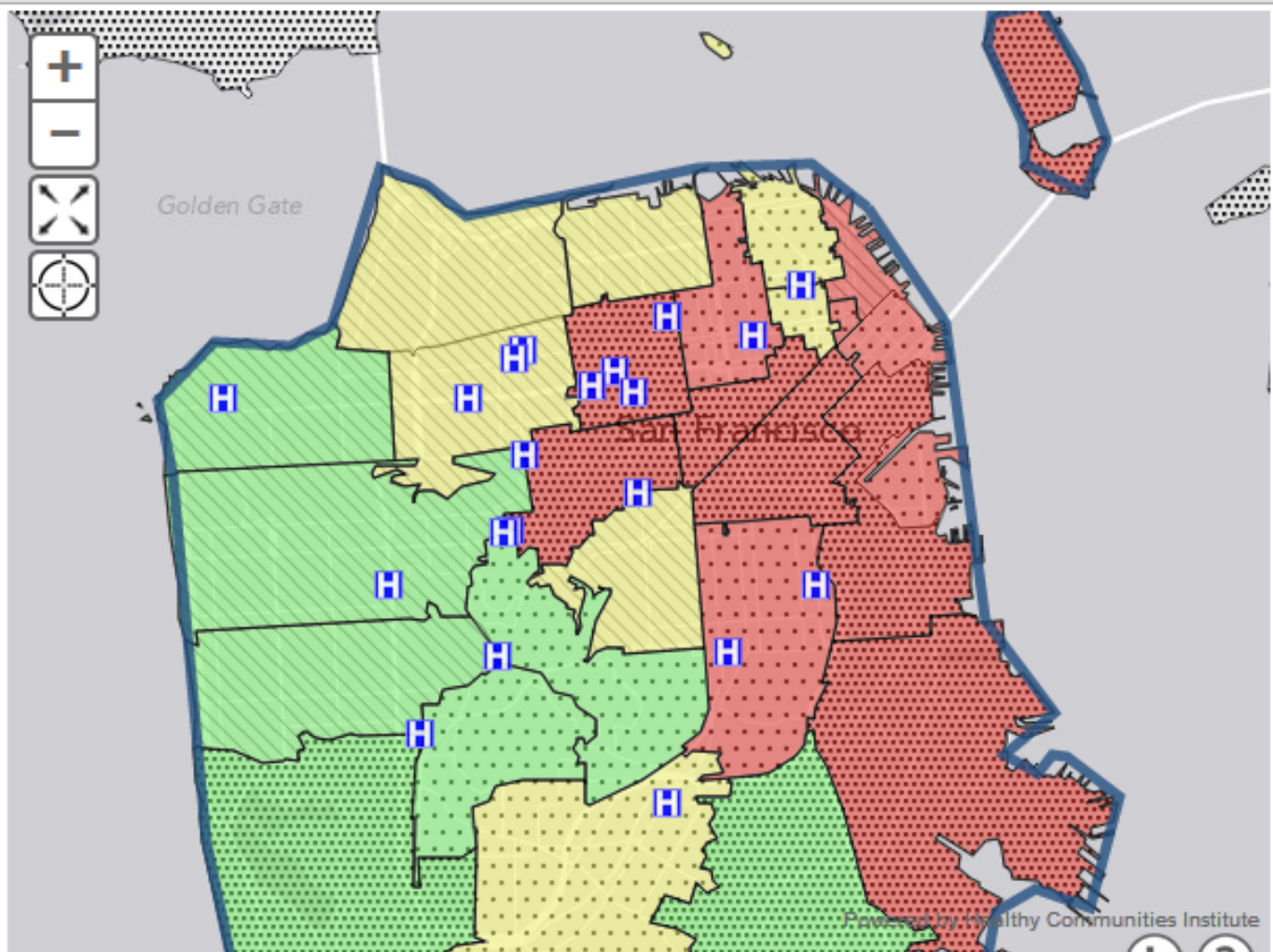
% Pop: Black/African Am. ▼

[Clear](#)

**Health Care Facilities:**

- |   |   |
|---|---|
| <input type="checkbox"/>  Fed. Qual. Health Center | <input type="checkbox"/>  Hospital |
| <input type="checkbox"/>  Rural Health Clinic      | <input type="checkbox"/>  Other    |

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● ≤ 31.9
 ● In-between
 ● > 39.5
 ● Data Unavailable

% Pop: Black/African Am.

0 - 0.88
0.88 - 2.03
2.03 - 4.97
4.97 - 81.74

### Health Care Facilities:

- |  |  |
|--|--|
| <span style="color: red;">H</span> <input type="checkbox"/> Fed. Qual. Health Center | <span style="color: blue;">H</span> <input checked="" type="checkbox"/> Hospital |
| <span style="color: green;">H</span> <input type="checkbox"/> Rural Health Clinic    | <span style="color: purple;">H</span> <input type="checkbox"/> Other             |

# Health Matters in San Francisco

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[San Francisco Community Clinic](#)

## COMMUNITY DASHBOARD



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## IN THE NEWS

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## WELCOME TO SFHIP

The SFHIP website is a comprehensive data source that can assist with community change through three major

ap shot of the health status and life in San Francisco using interpret color-coded gauges to identify community needs in order with program planning and development.

out promising practices in local ties and around the world.

## Connections

ected through tools such as health-related news and community events.

The SFHIP website was developed by the [Healthy Communities Institute](#) and the Building a Healthier San Francisco (BHSF) coalition, a collaborative of hospitals, foundations, health and human service providers, and community-based organizations. [Learn](#)

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Chinese Hospital of San Francisco  
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Kaiser Permanente Hospital  
Laguna Honda Hospital and Rehabilitation Center  
Saint Francis Memorial Hospital  
St. Mary's Medical Center  
UCSF Medical Center  
VA Medical Center San Francisco

[Sugary Foods Increase Heart Risks](#)

[How to cope with allergic reactions brought on by dry spell](#)



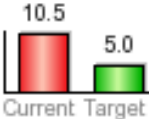

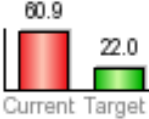

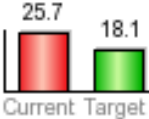



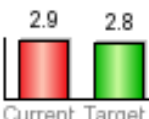

[Brain training boosted older adults' mental skills](#)

### National and State Headlines

[RECALL: Company recalls 16 varieties of cheese after death](#)

# Tracker for County: San Francisco

[View the Legend](#)

Goals and Indicators	Current and Target	Data	Status
<b>Improve Behavioral Health</b>			
<a href="#">Adults who Smoke</a>	<b>Current:</b> 14.0 percent <b>Target:</b> 12.0 percent	 <p>14.0 12.0 Current Target</p>	 <b>TARGET NOT MET</b>
<a href="#">Age-Adjusted Death Rate due to Suicide</a>	<b>Current:</b> 10.5 deaths/100,000 population <b>Target:</b> 5.0 deaths/100,000 population	 <p>10.5 5.0 Current Target</p>	 <b>TARGET NOT MET</b>
<a href="#">Age-Adjusted ER Rate due to Alcohol Abuse</a>	<b>Current:</b> 60.9 ER visits/10,000 population 18+ years <b>Target:</b> 22.0 ER visits/10,000 population 18+ years	 <p>60.9 22.0 Current Target</p>	 <b>TARGET NOT MET</b>
<b>Increase Access to Quality Medical Care</b>			
<a href="#">Age-Adjusted Hospitalization Rate due to Heart Failure</a>	<b>Current:</b> 25.7 hospitalizations/10,000 population 18+ years <b>Target:</b> 18.1 hospitalizations/10,000 population 18+ years	 <p>25.7 18.1 Current Target</p>	 <b>TARGET NOT MET</b>
<a href="#">Age-Adjusted Hospitalization Rate due to Uncontrolled Diabetes</a>	<b>Current:</b> 0.3 hospitalizations/10,000 population 18+ years <b>Target:</b> 0.4 hospitalizations/10,000 population 18+ years	 <p>0.3 0.4 Current Target</p>	 <b>TARGET MET</b>
<a href="#">Hospitalization Rate due to Immunization-Preventable Pneumonia and Influenza 65+</a>	<b>Current:</b> 2.9 hospitalizations/10,000 population 65+ years <b>Target:</b> 2.8 hospitalizations/10,000 population 65+ years	 <p>2.9 2.8 Current Target</p>	 <b>TARGET NOT MET</b>

## Search



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[African American Health Disparities](#)

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## Translate

Select Language

[Home](#) > [Community Dashboard](#)

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## Community Dashboard

Search All Indicators

Search

Location Type: County

Location

Breakout By: None

Order By

Topic

✓ Status (red/yellow/green)

## Indicators for County: San Francisco

[View the Legend](#)

### Health

- Liver and Bile Duct Cancer Incidence Rate [MAP](#) Comparison: U.S. Counties
- Age-Adjusted Death Rate due to HIV/AIDS Comparison: CA Counties
- AIDS Incidence Rate Comparison: CA Counties
- Chlamydia Incidence Rate Comparison: US Metropolitan Statistical Areas
- Gonorrhea Incidence Rate Comparison: US Metropolitan Statistical Areas
- Influenza Vaccination Rate 65+ Comparison: CA Counties
- Primary and Secondary Syphilis Incidence Rate Comparison: US Metropolitan Statistical Areas
- Tuberculosis Incidence Rate [MAP](#) Comparison: CA Counties
- Osteoporosis: Medicare Population [NEW](#) [MAP](#) Comparison: U.S. Counties
- Children and Teens with Asthma [MAP](#) Comparison: CA Counties



## Search

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### Advanced Search

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## Translate

Select Language ▼

[Home](#) > [Community Dashboard](#)

County

Time Period

Community Target



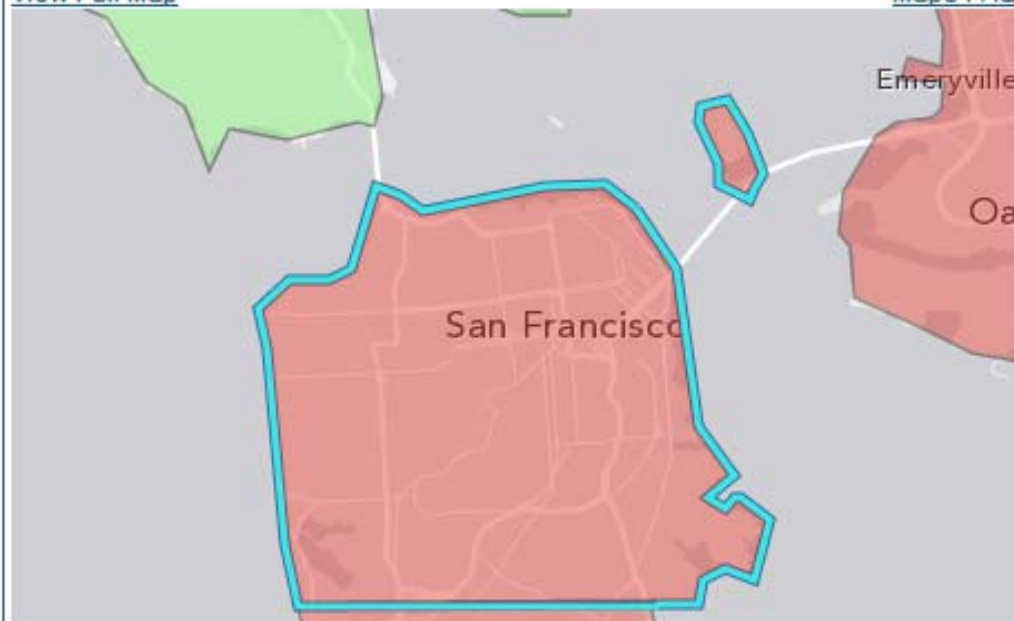
Red > 7.8  
Green ≤ 6.4  
In-between = Yellow  
Unit: cases/100,000 population  
[View the Legend](#)

## Liver and Bile Duct Cancer Incidence Rate

**Value:** 16.4 cases/100,000 population  
**Measurement Period:** 2006-2010  
**Location:** County : San Francisco  
**Comparison:** U.S. Counties  
**Categories:** Health / Cancer

[View Full Map](#)

[Maps FAQ](#)



## RELATED CONTENT

### 211 LOCAL RESOURCES

- [Smoking Resources](#)
- [HPV Immunization Resources](#)
- [Hospitals](#)

[More](#)

### COMMUNITY VITAL SIGNS

- [Affinity Group Meeting Series 2011](#)
- [Stakeholder Workshop Presentation - Nov. 13, 2009](#)
- [Needs Assessment Presentation - Sept. 23, 2010](#)

[More](#)

### NEWS

- [New study adds to evidence that mammograms do not save lives](#)
- [Could Antioxidants Speed Up Cancer Progression?](#)
- [Op-Ed Contributors:](#)

## LOCAL REPORTS

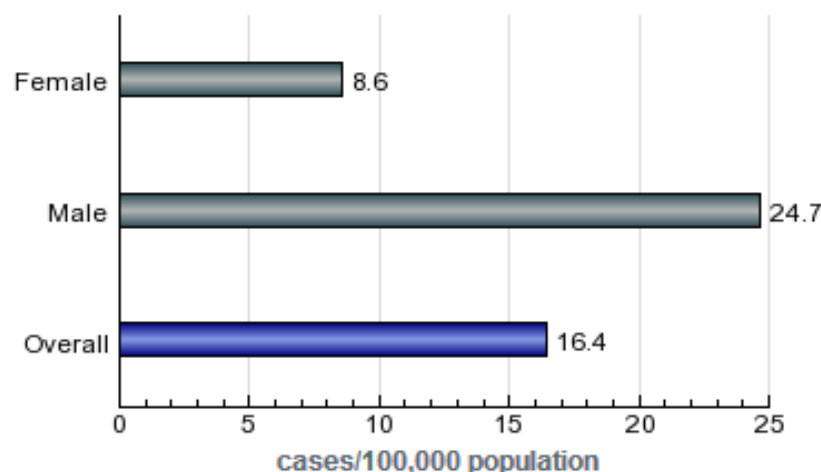
- [Leading Causes of Premature Mortality \(YLLs\) by Zip for Females](#)
- [Leading Causes of Premature Mortality \(YLLS\) by Zip for Males](#)
- [Leading Causes of Years of Life Lost \(YLL\) by Sex and Core Ethnicity - Female](#)

[More](#)

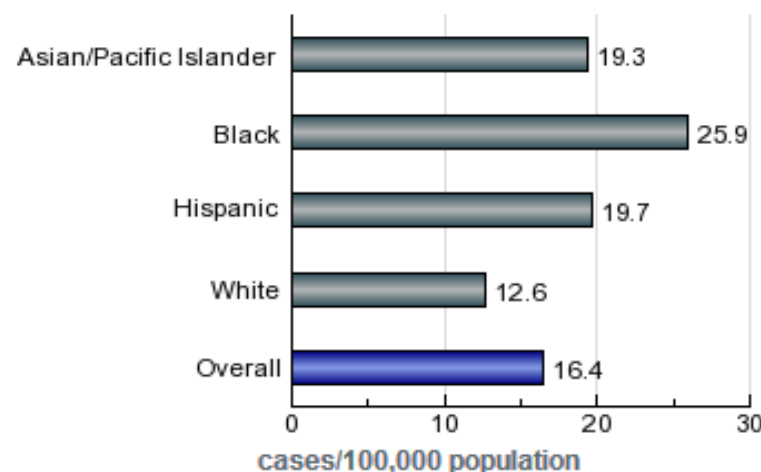
## OTHER RESOURCES

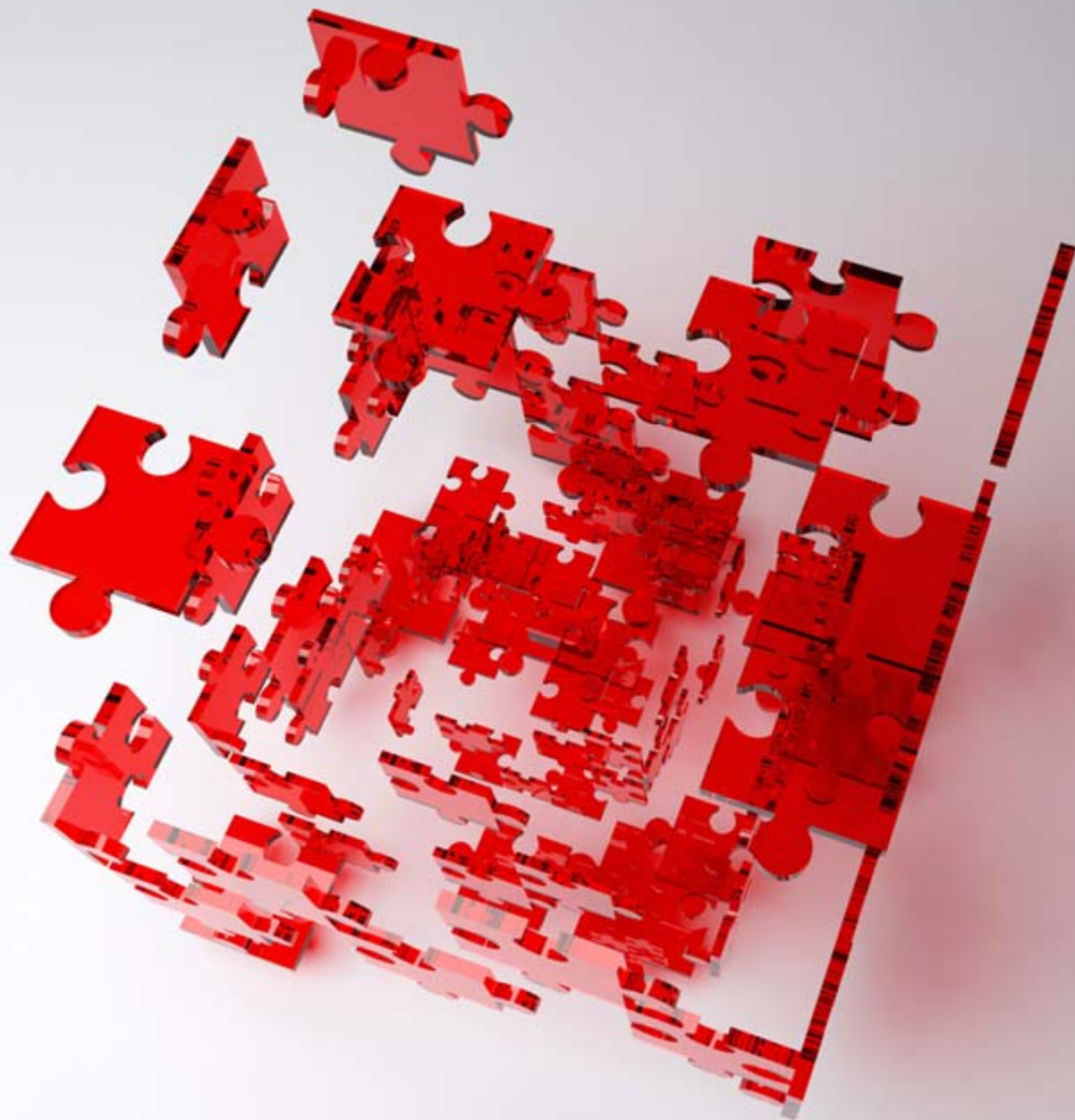
- [Community Benefit Partnership - April 1, 2011](#)
- [Community Vital Signs Master Indicator List](#)

### Liver and Bile Duct Cancer Incidence Rate by Gender



### Liver and Bile Duct Cancer Incidence Rate by Race/Ethnicity





# Case Study



## Strategy

- Reduce Morality Rate
- Improve Coordination of Care

# US: High Infant Mortality Rate

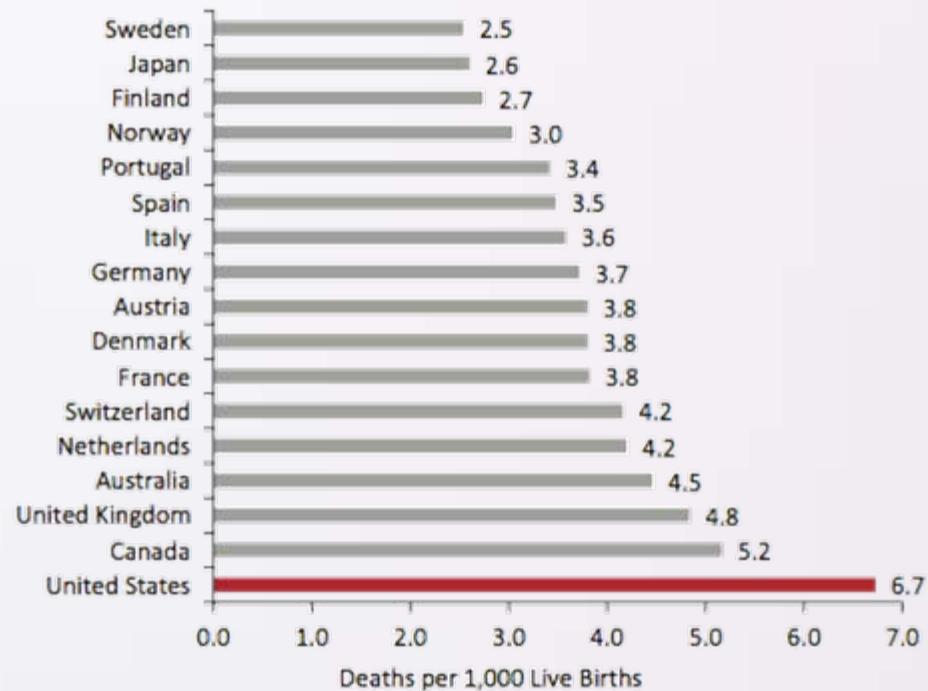


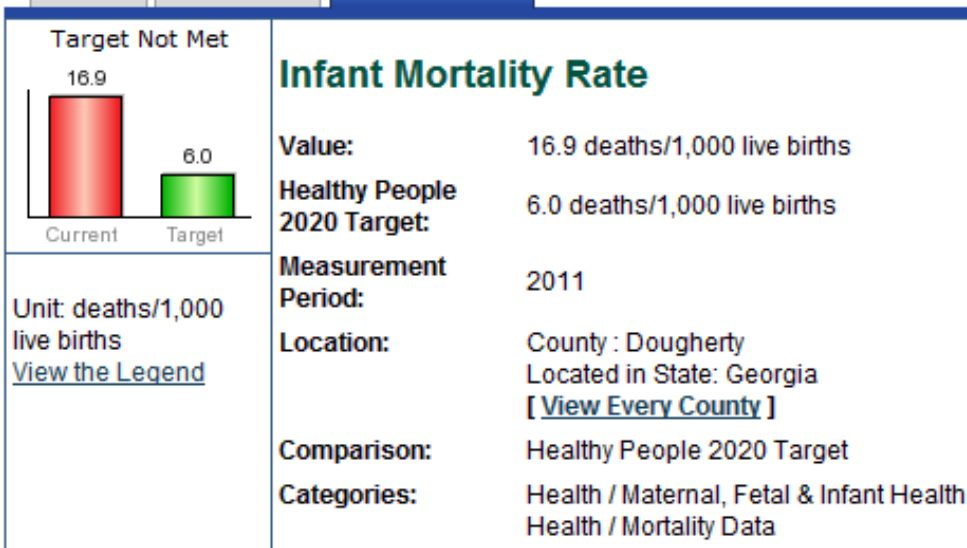
FIGURE 2-1 Infant mortality rates in 17 peer countries, 2005-2009.

NOTE: Rates averaged over 2005-2009.

SOURCE: Data from OECD (2012c).



[Average](#) | [Time Period](#) | **HP 2020 Target**



Unit: deaths/1,000 live births  
[View the Legend](#)

### What is this Indicator?

This indicator shows the mortality rate in deaths per 1,000 live births for infants within their first year of life.

### Why this is important:

Infant mortality rate continues to be one of the most widely used indicators of the overall health status of a community. The leading causes of death among infants are birth defects, pre-term delivery, low birth weight, Sudden Infant Death Syndrome (SIDS), and maternal complications during pregnancy.

**The Healthy People 2020 national health target is to reduce the infant mortality rate to 6 deaths per 1,000 live births.**

**Source:** Georgia Department of Public Health OASIS

**URL of Source:** <http://oasis.state.ga.us/>

**URL of Data:** <http://oasis.state.ga.us/oasis/oasis/qrylMort.aspx>

**Maintained By:** Healthy Communities Institute

**Last Updated:** May 2013

### RELATED CONTENT

#### INDICATORS

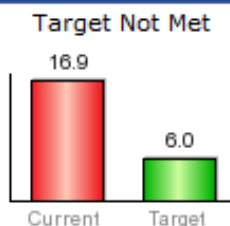
- [Preterm Births](#)
  - [Babies with Very Low Birth Weight](#)
  - [Babies with Low Birth Weight](#)
  - [Teen Birth Rate](#)
  - [Children Living Below Poverty Level](#) **NEW**
  - [Mothers who Smoked During Pregnancy](#)
- [More](#)

#### PROMISING PRACTICES

- [Centering Pregnancy Program](#)
  - [Community Voice: Palm Beach](#)
  - [Community Voice: Taking it to the People](#)
  - [Putnam County Early Entry into Prenatal Care-WIC](#)
  - [Canada Prenatal Nutrition Program \(CPNP\)](#)
  - [Prenatal Plus Program](#)
- [More](#)



[Average](#) | [Time Period](#) | **HP 2020 Target**



Unit: deaths/1,000  
 live births  
[View the Legend](#)

## Infant Mortality Rate

**Value:** 16.9 deaths/1,000 live births

**Healthy People 2020 Target:** 6.0 deaths/1,000 live births

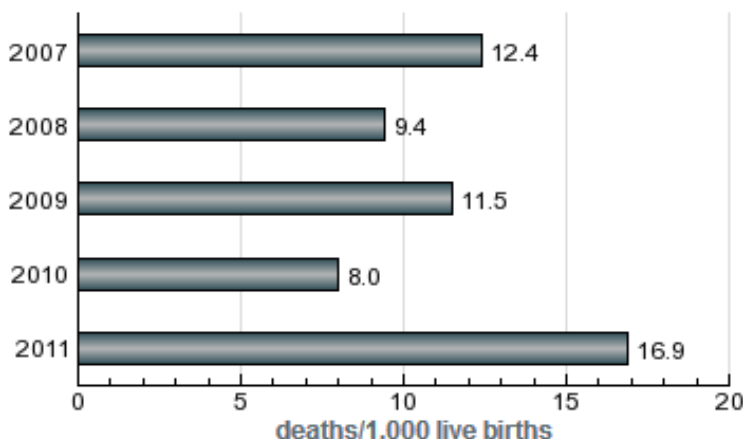
**Measurement Period:** 2011

**Location:** County : Dougherty  
 Located in State: Georgia  
[\[ View Every County \]](#)

**Comparison:** Healthy People 2020 Target

**Categories:** Health / Maternal, Fetal & Infant Health  
 Health / Mortality Data

### Time Series Data



### RELATED CONTENT

#### INDICATORS

- [Preterm Births](#)
  - [Babies with Very Low Birth Weight](#)
  - [Babies with Low Birth Weight](#)
  - [Teen Birth Rate](#)
  - [Children Living Below Poverty Level](#) **NEW**
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- [More](#)

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  - [Putnam County Early Entry into Prenatal Care-WIC](#)
  - [Canada Prenatal Nutrition Program \(CPNP\)](#)
  - [Prenatal Plus Program](#)
- [More](#)

# Report Assistant

Use this tool to quickly pull together related content, such as indicators or promising practices, based on keyword topics. The results can be saved as a PDF, emailed, or printed and incorporated into a report. For example, to find content related to obesity, type the keyword 'obesity' in the search bar. Then, select the location of interest and click 'search'. If you'd prefer to compare indicators across multiple regions you can create an [Indicator Comparison Report](#).

## Create a new report

Enter keywords to find content for your report:



Tip: Use double quotes for phrases and multiple word terms

## Choose the Report Content

Below are items matching your search terms. **Drag and drop** items into the "Chosen Content" list to include them in your report. You may enter new search terms to find additional content without losing your current selections.

### Indicators

Suggested Content

Select All

Chosen Content

Deselect All



# Report Assistant

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### Indicators

#### Suggested Content

Select All

- Infant Mortality Rate (County : Dougherty) ([View](#))
- Syphilis Incidence Rate (County : Dougherty) ([View](#))
- Teen Pregnancy Rate (County : Dougherty) ([View](#))
- Teen Birth Rate (County : Dougherty) ([View](#))
- Preterm Births (County : Dougherty) ([View](#))
- Mothers who Smoked During Pregnancy (County : Dougherty) ([View](#))
- Infants Born to Mothers with <12

#### Chosen Content

Deselect All



# Report Assistant

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### Indicators

#### Suggested Content

Select All

- Syphilis Incidence Rate (County : Dougherty) ([View](#))
- Mothers who Smoked During Pregnancy (County : Dougherty) ([View](#))
- Infants Born to Mothers with <12 Years Education (County : Dougherty) ([View](#))

#### Chosen Content

Deselect All



- Infant Mortality Rate (County : Dougherty) ([View](#))
- Babies with Very Low Birth Weight (County : Dougherty) ([View](#))
- Babies with Low Birth Weight (County : Dougherty) ([View](#))
- Teen Pregnancy Rate (County : Dougherty) ([View](#))
- Teen Birth Rate (County : Dougherty) ([View](#))
- Preterm Births (County : Dougherty) ([View](#))

## Promising Practices

### Suggested Content

[Select All](#)

- Healthy Start ([View](#))
- Parent-Child Interaction Therapy (PCIT) ([View](#))
- Project Link ([View](#))
- Centering Pregnancy Program ([View](#))
- Community Voice: Palm Beach ([View](#))
- Community Voice: Taking it to the People ([View](#))
- Franklin County Infant Safe Sleep and SIDS Risk Reduction Initiative ([View](#))
- Head Start & Early Head Start ([View](#))

### Chosen Content

[Deselect All](#)

## News

### Suggested Content

[Select All](#)

- Too much Tylenol in pregnancy could affect development ([View](#))
- Phys Ed: Mother's Exercise May Boost Baby's Brain ([View](#))
- Early onset of puberty in girls linked to obesity ([View](#))
- Think twice before buying breast milk online: study ([View](#))
- RECALL: J&J unit issues U.S. recall of infant Motrin drops ([View](#))
- Midwife-led care linked to fewer premature births ([View](#))
- Baby circumcisions in U.S. hospitals decline over three decades ([View](#))

### Chosen Content

[Deselect All](#)

---

## Event Calendar

### Suggested Content

[Select All](#)

- Baby Signs - Communicating With Your Baby ([View](#))

- Post-Natal Yoga (Baby Welcome) - Free ([View](#))

### Chosen Content

[Deselect All](#)

---

## Articles and Literature

### Suggested Content

[Select All](#)

- Racial/Ethnic Disparities in Infant Mortalityâ€™United States, 1995-2002 ([View](#))


### Chosen Content

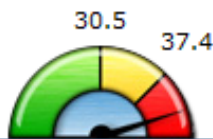
[Deselect All](#)

---

## 211 Local Resources

► Indicators

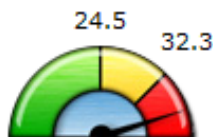
 <p>Comparison: 6.8 Unit: deaths/1,000 live births <a href="#">View the Legend</a></p>	<h3>Infant Mortality Rate</h3> <p><b>Value:</b> 16.9 deaths/1,000 live births</p> <p><b>Measurement Period:</b> 2011</p> <p><b>Location:</b> County : Dougherty Located in State: Georgia <a href="#">[ View Every County ]</a></p> <p><b>Comparison:</b> GA State Value</p>
 <p>Red &gt; 2.7 Green ≤ 2.0 In-between = Yellow Unit: percent <a href="#">View the Legend</a></p>	<h3>Babies with Very Low Birth Weight</h3> <p><b>Value:</b> 2.9 percent</p> <p><b>Measurement Period:</b> 2011</p> <p><b>Location:</b> County : Dougherty Located in State: Georgia <a href="#">[ View Every County ]</a></p> <p><b>Comparison:</b> GA Counties</p>
 <p>Red &gt; 11.4 Green ≤ 10.1 In-between = Yellow Unit: percent <a href="#">View the Legend</a></p>	<h3>Babies with Low Birth Weight</h3> <p><b>Value:</b> 13.5 percent</p> <p><b>Measurement Period:</b> 2011</p> <p><b>Location:</b> County : Dougherty Located in State: Georgia <a href="#">[ View Every County ]</a></p> <p><b>Comparison:</b> GA Counties</p>



Red > 37.4  
Green <= 30.5  
In-between = Yellow  
Unit:  
pregnancies/1,000  
females aged 15-17  
[View the Legend](#)

## Teen Pregnancy Rate

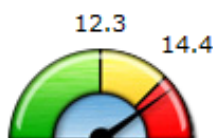
**Value:** 53.5 pregnancies/1,000 females aged 15-17  
**Measurement Period:** 2011  
**Location:** County : Dougherty  
Located in State: Georgia  
[\[ View Every County \]](#)  
**Comparison:** GA Counties



Red > 32.3  
Green <= 24.5  
In-between = Yellow  
Unit: live births/1,000  
females aged 15-17  
[View the Legend](#)

## Teen Birth Rate

**Value:** 42.7 live births/1,000 females aged 15-17  
**Measurement Period:** 2011  
**Location:** County : Dougherty  
Located in State: Georgia  
[\[ View Every County \]](#)  
**Comparison:** GA Counties



Red > 14.4  
Green <= 12.3  
In-between = Yellow  
Unit: percent  
[View the Legend](#)

## Preterm Births

**Value:** 14.9 percent  
**Measurement Period:** 2011  
**Location:** County : Dougherty  
Located in State: Georgia  
[\[ View Every County \]](#)  
**Comparison:** GA Counties

# Indicator Comparison Report

Use this tool to view multiple indicators across available locations. The results can be saved as a PDF, emailed, or printed and incorporated into a report. For example, to view indicators related to obesity, type the keyword 'obesity' in the search bar. Then, select the location(s) of interest and click 'search'.

## Create a new report

Enter keywords to find indicators for your report:

**Tip:** Use double quotes for phrases and multiple word terms



## Regions

Select your region(s) of interest. Please note that not all indicators have data available at the zip code or census tract level, even though the region can be selected below. Values will be provided for selected locations that have data available on your site.

- ☒ All
  - ☐ Census Tract
  - ☒ County
    - ☒ Dougherty
    - ☒ Lee
    - ☒ Mitchell
    - ☒ Terrell
    - ☒ Worth
  - ☐ Zip Code

## Customize

**Title:**


**Description:**

This text will appear at the top of the report and should explain the scope of the report.

## Teen Birth Rate

Location	Status	Live births/ 1,000 females aged 15-17	Source	Measurement Period
----------	--------	---	--------	-----------------------

**Comparison:** GA Counties  
**Period:** 2011

<u>County : Dougherty</u>		42.7	Georgia Department of Public Health OASIS	2011
<u>County : Lee</u>		10.2	Georgia Department of Public Health OASIS	2011
<u>County : Mitchell</u>		15.2	Georgia Department of Public Health OASIS	2011
<u>County : Terrell</u>		26.6	Georgia Department of Public Health OASIS	2011
<u>County : Worth</u>		29.9	Georgia Department of Public Health OASIS	2011

# **Phoebe Putney Memorial Hospital**

## **Community Health Needs Implementation Strategy**

### **2013-15**

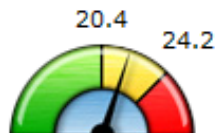
#### **Priority 1: To Improve Maternal, Infant, and Child Health and Reproductive Responsibility**

- **To reduce the rate of low birth weight from 12.3 to 7.8 in the primary service area.**
- **To reduce the rate of very low birth weight from 2.8 to 1.4 in the primary service area.**
- **To reduce the rate of pre-term births from 14.7 to 11.4 in the primary service area.**
- **To reduce the rate of infant mortality from 8.2 to 6.0/1,000 live births in the primary service area.**
- **To reduce the rate of teen pregnancy from 40.8 to 36.2 for females aged 15 to 17 in the primary service area.**
- **To reduce sexually transmitted disease from 1,272 to 703.9 cases/100,000 in the primary service area (Georgia Benchmark)**

PPMH will continue, support and/or implement the following strategies:

1. Continue funding (\$1.2 million) of Network of Trust programs that provide evidence-based Sex Education Curricula and help to reduce the incidence of teen pregnancy, including the placement of school nurses in all 27 Dougherty County Public Schools.
2. Expand and conduct school nurse training in service area county schools, specifically Randolph, Lee and Terrell.
3. Continue and expand Make A Difference sexual abstinence program – assistance funding will be provided by a three-year \$35,000 grant from the Georgia Campaign for Adolescent Power and Prevention, the University of Georgia and 4-H. PPMH Network of Trust will conduct training, expanding outreach to more than 50 nurses in the region and to the Boys and Girls Clubs of Albany.
4. Continue Teen Father program, operated by Network of Trust
5. PPMH will hire a full time outreach coordinator to work in schools with career development for teenage mothers. This is an extension of the Teen Mothers program, which has operated for 20 years to provide prenatal care and parenting skills to pregnant teens.
6. Continue partnership with Family Connections for the Teen Maze, which reaches 1000 teens locally and more than 4000 in the region to help middle school students experience positive and negative impact of their decisions.
7. PPMH and Network of Trust will support Teen Breastfeeding Initiative
8. Support and Facilitate expansion of centering pregnancy program – The Southwest District Health plans to seek permission from PPMH's Institutional Review Board to conduct a research study with a control group to determine the impact of the centering program on low birth weight and other related outcomes to demonstrate program efficacy. PPMH will provide support for this program and nurses in labor and delivery will be informed of the program in the care of participants who come to the hospital to deliver

County Time Period HP 2020 Target



Red > 24.2  
 Green <= 20.4  
 In-between = Yellow  
 Unit: percent  
[View the Legend](#)

## Adults who Smoke

**Value:** 20.6 percent  
**Measurement Period:** 2005-2011  
**Location:** County : Dougherty  
 Located in State: Georgia  
[\[ View Every County \]](#)  
**Comparison:** U.S. Counties  
**Categories:** Health / Substance Abuse

### What is this Indicator?

This indicator shows the percentage of adults who currently smoke cigarettes.

### Why this is important:

Tobacco is the agent most responsible for avoidable illness and death in America today. Tobacco use brings premature death to almost half a million Americans each year, and it contributes to profound disability and pain in many others. Approximately one-third of all tobacco users in this country will die prematurely because of their dependence on tobacco. Areas with a high smoking prevalence will also have greater exposure to secondhand smoke for non-smokers, which can cause or exacerbate a wide range of adverse health effects, including cancer, respiratory infections, and asthma.

**The Healthy People 2020 national health target is to reduce the proportion of adults aged 18 years and older who smoke cigarettes to 12.0%.**

**Technical Note:** The distribution is based on data from 2,536 U.S. counties and county equivalents.

**Source:** County Health Rankings

**URL of Source:** <http://www.countyhealthrankings.org/>

**URL of Data:** <http://www.countyhealthrankings.org/rankings/data>

**Maintained By:** Healthy Communities Institute

**Last Updated:** March 2013

## RELATED CONTENT

### INDICATORS

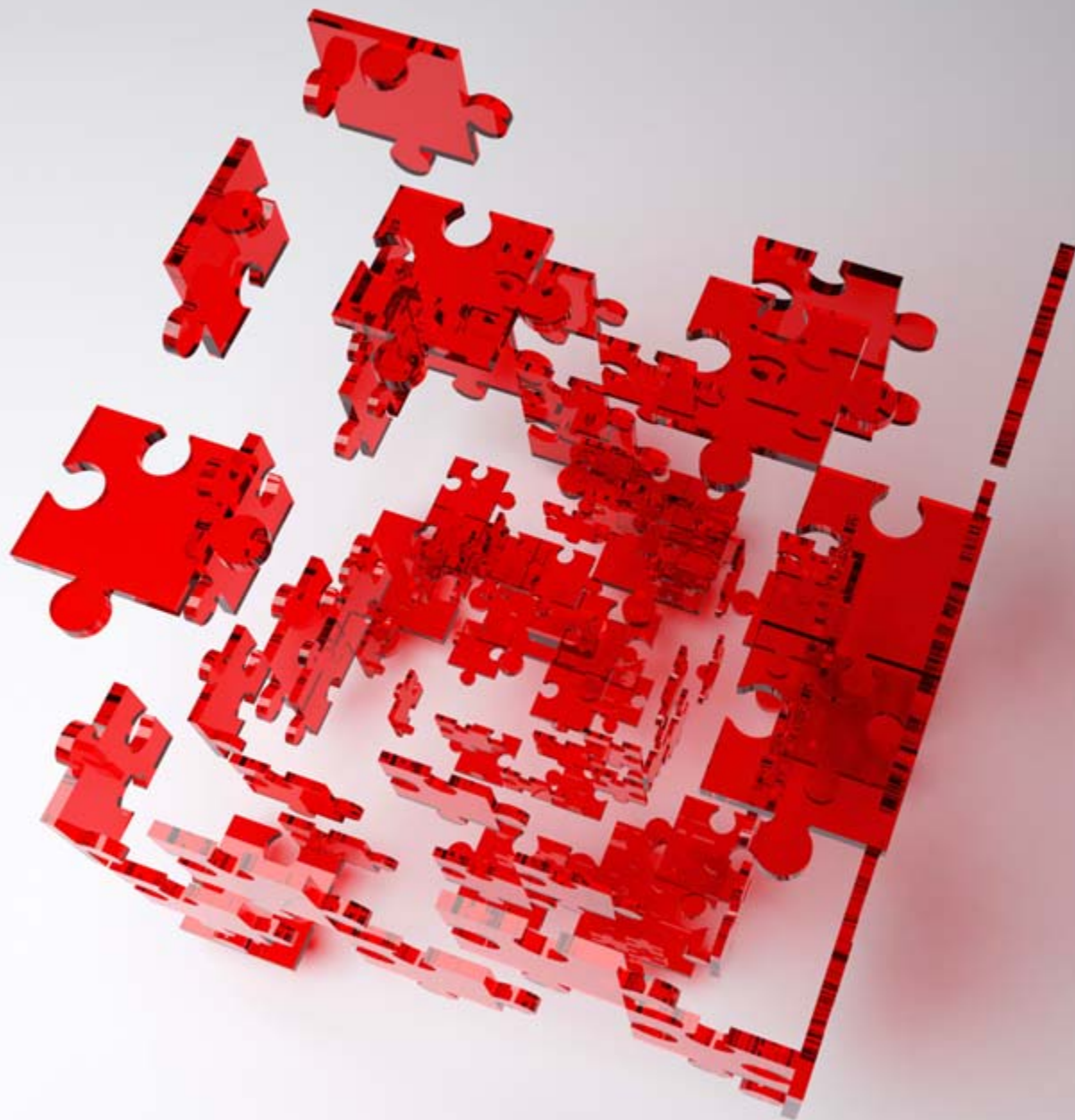
- [COPD: Medicare Population](#)
- [Age-Adjusted Death Rate due to Lung Cancer](#)
- [Lung and Bronchus Cancer Incidence Rate](#)
- [Mothers who Smoked During Pregnancy](#)
- [Ischemic Heart Disease: Medicare Population](#)
- [Hyperlipidemia: Medicare Population](#)

[More](#)

### PROMISING PRACTICES

- [Commit to Quit](#)
- [New York State Smokers' Quitline](#)
- [Web-Based Committed Quitters Stop Smoking Plan](#)
- [Not-On-Tobacco \(N-O-T\)](#)
- [Put It Out Rockland](#)
- [Sonoma County Tobacco Use Prevention](#)

[More](#)





# HCI Platform

UNLOCK DATA.  
GAIN KNOWLEDGE.  
FOCUS RESOURCES.  
MEASURE RESULTS.

The leading population health  
improvement platform

# HCI PLATFORM

## Comprehensive Stand-Alone Portal

OR

## Wrapped Within Your Website



Search

Advanced Search

Home

News

Community Dashboard

2013 Community Health Needs Assessment

2013 Implementation Strategy Tracker

Disparities Dashboard

Hospital Data

Demographics

2020 Tracker

Topic Centers

Promising Practices

Funding Opportunities

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Event Calendar

Local Resources

Report Assistant

Indicator Comparison

Contribute Content

Translate

Select Language

**COMMUNITY DASHBOARD**

View the Legend

Genetics Incidence Rate

Stroke Death Rate

Population Over 65

Child and Teen Dental Visits

Rheumatoid Arthritis/Osteoarthritis Medication

Health status indicators

Greater Pasadena community indicators

See all indicators

**IN THE NEWS**

**Feature Story**

**Huntington Memorial Hospital Community Benefits Plan Fiscal Year 2012**

Huntington Hospital

**2012 Huntington Hospital Community Benefits Plan**

The 2012 Huntington Hospital Community Benefits Plan is now available... [Read the full story](#)

**Community News**

City of Pasadena Releases 2012 Quality of Life Report

New Website Launched to Help Pasadena Teens and Parents Make...

**California News**

Report: Caltrans allowed bad welds in

**About This Site**

This website is a one-stop resource providing data and information that measure the health of our community. It is intended to help planners, policy makers, and community members learn about local issues and identify disparities within the region. Included are indicators related to the economy, public safety, education, transportation, social environment, government and politics, the natural environment and health.

**For General Information:**

- View and compare indicators for L.A. County, the greater Pasadena community, or by individual zip codes.
- Find information about agencies and resources that exist in the San Gabriel Valley that address community health and social issues.
- Click [here](#) to see a calendar of local events and programs.

SCOTT SDALE HEALTHCARE Hospitals & Facilities | Medical Services | Patients & Visitors | Wellness | Contact Us 877-480-4804

WE PROVIDE THE HIGHEST QUALITY AND MOST COMPASSIONATE CARE FOR ALL INDIVIDUALS

Home: Medical Services > Community Health > Community Health Needs Assessment

Programs & Screening Events

### Community Health Needs Assessment

Indicators for County: Maricopa

View the Legend

Health		
Access to Health Services		
Adults with Health Insurance	Comparison: U.S. Counties	
Children with Health Insurance	Comparison: U.S. Counties	
Cancer		
All Cancer Incidence Rate	Comparison: U.S. Counties	
Bladder Cancer Incidence Rate	Comparison: U.S. Counties	
Breast Cancer Incidence Rate	Comparison: U.S. Counties	
Cervical Cancer Incidence Rate	Comparison: U.S. Counties	
Colon Cancer Screening	Comparison: AZ State Value	
Colorectal Cancer Incidence Rate	Comparison: U.S. Counties	
Liver and Bile Duct Cancer Incidence Rate	Comparison: U.S. Counties	
Lung and Bronchus Cancer Incidence Rate	Comparison: U.S. Counties	
Mammogram History	Comparison: AZ State Value	
Melanoma Incidence Rate	Comparison: U.S. Counties	
Non-Hodgkin Lymphoma Incidence Rate	Comparison: U.S. Counties	
Oral Cavity and Pharynx Cancer Incidence Rate	Comparison: U.S. Counties	
Ovarian Cancer Incidence Rate	Comparison: U.S. Counties	

### The HCI Platform Includes:

- Over 100 Health and Quality of Life Indicators
- Add and Customize Local Content
- Healthy People 2020 Trackers
- Performance Tracking
- Database of Over 2,000 Proven Programs
- Collaboration Center to Maximize Partnerships
- Report Assistant to Quickly Present Data

Ideal for community collaboratives, foundations, other partnership-based initiatives, and public health agencies.


Provides a solid foundation for PHAB, MAPP and Collective Impact strategies.

Enables hospitals, health systems and other organizations to embed the platform's functionality within their branding.

Helps to meet IRS 990 requirements for CHNA and Implementation Plans.

# Why do organizations use the HCI System?

- Planning/Decision Support Tool
- Compliance: Federal IRS 990, Health Care Reform, MAPP, Healthy People 2020, CHIP, SHIP
- Communications Tool: Accountability, Transparency, Public Image
- Evaluation Tool
- Quality Improvement Tool
- Partnership-building/Alignment Tool: inter- and intraorganizationally
- Strategy Achievement
- Grant Procurement



# Putting the Pieces Together: The Strategy Behind Population Health Improvement

**Thank You!**

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