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OhioHealth Doctors Hospital

Franklin County

# HealthMap 2013



Navigating Our Way to a  
Healthier Community Together



Coordinated by the Central Ohio Hospital Council: Mount Carmel Health System, Nationwide Children's Hospital, OhioHealth and The Ohio State University Wexner Medical Center.

In Partnership with Central Ohio Trauma System, Columbus Public Health, Columbus Neighborhood Health Centers, Franklin County Public Health, Heart of Ohio Family Health Centers, Lower Lights Christian Health Center, The Ohio State University College of Public Health, United Way of Central Ohio.



## OhioHealth Doctors Hospital

At Doctors Hospital, we have a full complement of healthcare services and modern technology, but we know truly great hospitals start with great people. You don't have to spend much time in our hallways to realize Doctors Hospital is as exceptional as the people who are working here.

## Report Published

January 2013

## Questions about this Report

Questions about this report may be addressed to:

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# Overview

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Welcome to *Franklin County HealthMap2013!*

The Franklin County Community Health Needs Assessment Steering Committee is pleased to provide the residents of central Ohio with a comprehensive summary of the community's health status and needs.

This community health profile is the result of a broad collaborative effort, coordinated by the Central Ohio Hospital Council (COHC), and is intended to help hospitals and other organizations better understand the health needs and priorities of Franklin County residents. As part of its mission, COHC serves as the forum for community hospitals to collaborate with each other and with other community stakeholders to improve the quality, value, and accessibility of health care in the central Ohio region. Consistent with that mission, central Ohio hospitals believe that the issues facing the community's health care system can be solved more effectively when working together.

The work to conduct a Franklin County needs assessment was first initiated to fulfill a requirement in the federal Patient Protection and Affordable Care Act, enacted in March 2010, requiring every tax-exempt hospital to conduct a community health needs assessment (CHNA) and identify strategies that address its findings. This report serves as the basis for each Franklin County hospital to release a needs assessment, consistent with federal requirements. Hospital-specific CHNAs, which can be found on each hospital's website, may include additional data and information, focused on communities or populations served by the hospital.

While this work started as a hospital initiative, the effort has grown into a multi-stakeholder collaborative, whereby a broad range of local organizations worked together to identify, collect and analyze the health indicators contained in this report. It is the hope of the Community Health Needs Assessment Steering Committee that the *Franklin County HealthMap2013* will help organizations throughout central Ohio better understand – and ultimately improve – the health of the community.

Understanding the prevalence of chronic health conditions, barriers in access to care, and other health issues can help direct resources where they will have the biggest impact. To that end, hospitals will begin using the data to develop and implement strategic plans to meet the community health needs identified through the assessment.

The *Franklin County HealthMap2013* will be updated every three years, consistent with federal requirements. It is the hope of the CHNA Steering Committee that this assessment provides a window to the community's health status and needs, a guide to target limited resources, a vehicle for strengthening relationships, and an invaluable tool for keeping the community healthy. Your comments and feedback are invited as we work to improve the information in this document when preparing *Franklin County HealthMap2016*.

## Franklin County CHNA Steering Committee

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Special recognition to Katherine Rybka, Graduate Associate with the Center for Public Health Practice, who compiled data, created an off-line electronic repository for all data sources, charts and graphs, and drafted this report.

## How to Read this Report

This report is organized into two sections:

1. **Health Needs of Franklin County.** In this section, eight health areas have been identified by the Franklin County CHNA Steering Committee as being a local, priority health need. The section begins with an explanation of the process used by the Steering Committee to identify and prioritize the eight Franklin County health needs.
2. **Franklin County Health Indicators.** In this section, more than 140 health indicators are listed, separated by health category. These health indicators were used by the Steering Committee to identify the local health needs, which are contained in section one. This section begins with an explanation of the process used by the Steering Committee to select the health indicators as well as how the indicators are sourced and calculated.

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# Health Needs of Franklin County

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The Franklin County HealthMap 2013 is intended to help hospitals and other organizations better understand the health needs and priorities of Franklin County residents. To that end, the Franklin County Community Health Needs Assessment Steering Committee worked to identify those health areas where Franklin County is lagging, based on comparable state and federal data.

This document is intended to provide a snapshot of the health and well-being status of residents in Franklin County, Ohio. There are areas where Franklin County compares favorably with the state and/or the U.S., for instance, older adults receiving pneumonia and influenza vaccines, alcohol related incidents, and motor vehicle traffic injury deaths. There are also health indicators, such as incidence of chlamydia, homicide and suicide, access to dental care, and deaths from unintentional drug /medication ingestion, where Franklin County does not compare as well. In some instances, the data tends to raise more questions than are answered. All areas deserve our attention and best collaborative efforts.

## Process for Our Work

To complete this work, the Steering Committee worked during two half-day, facilitated sessions to identify and prioritize the health needs for Franklin County, using the health indicators contained in the second section of this report. The committee did this in four steps:

First, working in subgroups, the committee considered all health indicators listed in this report, comparing them to state, and sometimes federal, data for those same indicators. The Steering Committee pulled those Franklin County health indicators which were found to be worse than comparative state and federal data for consideration in the second step. Indicators found to be similar or better than state or federal data were dropped from further analysis;

Second, the committee rated the indicators found to be worse than state and federal data, using a set on nine criteria:

1. Cost Effectiveness – Are potential results worth the financial investment?
2. Difference to similar jurisdictions – Is the issue worse here than elsewhere?
3. External directives – Are there federal/state mandates or laws or local ordinances that prohibit or require addressing the issue?
4. Feasibility of positively impacting – Is there a valid intervention to positively impact the issue?
5. Magnitude of the problem – Is a sizeable percent of population affected by the issue?
6. Mission critical/prevention potential – Does intervention keep people well?
7. Quality of life – To what degree does the issue impede the ability for individuals to work, attend school, function, etc.?
8. Seriousness of consequences – Does the issue cause severe illness and/or premature death?
9. Trend direction – Has the problem worsened or improved in the last 5 years?

After rating the indicators, members of the committee were asked to convene meetings of clinical experts within their institutions to obtain feedback on whether the rated indicators were consistent with what

clinicians see in health care settings. The feedback was shared with the whole committee before the next step of identifying the community health needs.

Third, the Steering Committee grouped related health indicators into clusters. These clusters were labeled as a broader health issue, and thus identified as a Franklin County health need. For example, diabetes mortality and diagnoses of diabetes were grouped with risk factors for diabetes, including obesity and high blood pressure. These indicators were grouped with indicators for other persistent conditions, such as asthma, arthritis and heart disease. Combined, this cluster was identified as a community health need of “Chronic Conditions.” Eight local health needs were identified using this process.

Finally, consistent with federal requirements for conducting a needs assessment, the committee worked through a facilitated process to prioritize the health needs. First, each committee member ranked the health needs, using a 1 to 8 scale, with 1 being the top priority and 8 being the lowest. Committee members were asked to rank the needs based on the input they received from clinical experts, the number of health indicators in each cluster as well as the rating the health indicators received (see step 2 above). Individual committee member rankings were added together, and the clusters with higher scores were identified as higher priorities.

It is important to note that not every Franklin County health indicator is listed in this report; thus every Franklin County health need may not be identified in the Steering Committee’s findings. The Steering Committee worked to balance the need to include a broad range of indicators that impact community health while ensuring the data came from reliable sources that are likely to continue providing the measure in future years to allow for trending and measurement. Individual comments and feedback are invited as the Steering Committee works to improve the information provided in this document.

The health needs identified in this section include “Potential Partners/Other Resources,” which are existing healthcare facilities or other resources which can help address and improve the health area, consistent with federal requirements on conducting a needs assessment. Hospitals and other organizations working to address local health needs are encouraged to work collaboratively in order to have the best impact on community health.

In summary, the Franklin County health needs listed below have been prioritized by the CHNA Steering Committee, using the criteria and processes described above. Indicators rated by the Steering Committee as being a higher community priority are listed first.

## Prioritized Community Health Needs of Franklin County

### 1. Access to Care

Emergency departments (EDs) in Franklin County experience higher utilization, when comparing rates per population, than do EDs across the state. Similarly, emergency departments in Franklin County are utilized more often for less severe cases, when comparing rates per population, than EDs across the state. In terms of specific conditions where access to care poses a problem, Franklin County adults have more difficulty in accessing dental care when compared to adults across Ohio.

**Learn more about “Access to Care”**

Indicators for emergency department utilization can be found on page 19. Indicators for access to dental care can be found on page 24.

**Potential Partners/Other Resources**

**Community Health Centers**

Columbus Neighborhood Health Centers  
Lower Lights Christian Health Center  
Heart of Ohio Family Health Centers  
Southeast Inc.

**Free Clinics**

Asian Health Initiative Free Clinic  
Columbus Free Clinic  
Grace Clinic  
Helping Hands Health and Wellness Center  
Latino Free Clinic  
Linworth Free Clinic  
New Life Health and Wellness Center  
Noor Community Clinic/Muslim Clinic of Ohio  
Physicians CareConnection  
Victory Ministries Free Medical Clinic  
Vineyard Free Health Clinics  
Xenos Fourth Street Free Clinic

**Dental**

Columbus Neighborhood Health Centers  
Columbus Public Health  
Dental Options  
Dentists CareConnection  
Franklin County Veteran Service Commission Preventive Dental Program  
Nationwide Children’s Hospital Dental Clinic  
OSU Dental Clinic  
Stowe Baptist Church  
Vineyard Dental Clinic—Cooper Road/5<sup>th</sup> Ave.

**Other Resources**

AccessHealth Columbus

**2. Chronic Disease**

Chronic diseases – such as heart disease, stroke, cancer, diabetes – are the leading causes of death and disability at the local, state and national levels. According to the Centers for Disease Control and Prevention medical care costs of people with chronic diseases account for more than 75% of total medical care costs in the U.S. In Franklin County, over 60% of all deaths were due to chronic disease. Franklin County has a higher prevalence of both adults and youth diagnosed with asthma when compared to state and national data. Though the prevalence of adults in Franklin County diagnosed with diabetes is slightly less than for adults in the state of Ohio, it is higher than for adults in the U.S. There is also a higher prevalence of obesity in Franklin County adults which can lead to diabetes.



**Learn more about “Chronic Disease”**

Indicators for mortality rates including diabetes, Alzheimer’s, heart disease and respiratory diseases can be found on page 31. Adult health indicators, including asthma, arthritis, body mass index, diabetes and high blood cholesterol can be found on page 29. Youth diagnoses of asthma can be found on page 41.

**Potential Partners/Other Resources**

- American Heart Association, Central Ohio Chapter
- American Lung Association, Central Ohio Chapter
- Central Ohio Breathing Association
- Central Ohio Diabetes Association
- Columbus Cancer Clinic
- Columbus Public Health: Healthy Children, Healthy Weights
- In My Backyard Health and Wellness
- Ohio Asian American Health Coalition
- YMCA: Diabetes Prevention Program

### 3. Infectious Disease

Incidences of infectious diseases, especially those that are sexually transmitted, more prevalent in Franklin County than in Ohio. Franklin County rates for pertussis and tuberculosis are higher than Ohio rates. The incidence rates for two hospital-acquired infections -- methicillin-sensitive *Staphylococcus Aureus* (MSSA) and methicillin-resistant *Staphylococcus Aureus* (MRSA) -- are slightly higher in Franklin County than in Ohio.

**Learn more about “Infectious Disease”**

Indicators for incidence and prevalence of infectious diseases can be found on page 39. Incidence of hospital-acquired infections can be found on page 40.

**Potential Partners/Other Resources**

- AIDS Resource Center Ohio
- Aids Education and Training Resource Center
- Columbus Public Health: Sexual Health Program
- LifeCare Alliance: Project OpenHand
- Ohio Hospital Association: The Quality Institute
- Stonewall Columbus

### 4. Behavioral Health

A wide spectrum of psychiatric disorders is prevalent in Franklin County, including depression, chronic mental health conditions, substance abuse and post traumatic stress. In 2006-2008, suicide was the tenth leading cause of death in Franklin County. The overall rate in Franklin County was 12.4 suicide deaths per 100,000 people. This was higher than the 2006-2008 rate for the state of Ohio which was 11.3 per 100,000. According to the National Institutes of Mental Health, in 2007, suicide was also the tenth leading cause of death in the U.S., accounting for 34,598 deaths which was an overall rate of 11.3 suicide deaths per 100,000 people. An estimated 11 attempted suicides occur per every suicide death.

**Learn more about “Behavioral Health”**

Indicators for hospitalizations for attempted suicide can be found on page 26. Deaths due to suicide can be found on pages 26 and 31.

**Potential Partners/Other Resources**

Maryhaven Inc.  
ADAMH Board of Franklin County  
Amethyst Inc.  
Dublin Springs  
Mental Health America of Franklin County  
National Alliance on Mental Illness, Franklin County  
Netcare Access  
Ohio Hospital for Psychiatry  
Southeast Inc.  
Twin Valley Behavioral Health  
Veteran Administration Outpatient Health Center

**5. High Incidence of Cancer**

Cancer places a tremendous emotional and financial burden on patients, families and society. The number of new cancer cases can be reduced, and many cancer deaths can be prevented through early detection, vaccination, and maintaining healthy behaviors, such as being physically active and maintaining a healthy weight.

In Franklin County, cancer is the second leading cause of death. The top five cancer mortality rates in Franklin County are lung, colon, breast, pancreatic and prostate. Franklin County has a higher mortality rate than Ohio for lung, breast, and pancreatic cancer, but a lower mortality rate for colon and prostate cancer. Franklin County fairs well with cancer screenings, with percentages of adults receiving tests for cervical, breast and colorectal cancers higher than state and national percentages; however testing for prostate cancer was lower than state and national percentages.

**Learn more about “High Incidence of Cancer”**

Indicators for cancer mortality can be found on page 31. Indicators for cancer incidence can be found on page 32. Indicators on cancer screenings can be found on page 21.

**Potential Partners/Other Resources**

American Lung Association, Central Ohio Chapter  
Cancer Support Community Central Ohio  
Columbus Cancer Clinic  
Komen Columbus  
American Cancer Society, Central Ohio Region  
Multiple Myeloma Opportunities for Research & Education (MMORE)

## 6. Interpersonal Violence

Individuals in every community, regardless of age, economic status, race, religion, nationality or educational background, are affected by interpersonal violence. The World Health Organization estimates the cost of interpersonal violence in the United States is more than \$300 billion per year. In Franklin County, the homicide rate is higher than the Ohio rate. Higher percentages of Franklin County children are in families in need of services, however lower percentages suffer sexual abuse, compared to Ohio data. Franklin County adults have higher percentages of victims who suffer injuries than adults statewide.

### **Learn more about “Interpersonal Violence”**

Indicators for domestic violence can be found on page 26. Indicators for child abuse can be found on page 25. Deaths due to homicide and hospitalizations due to assault and abuse can be found on page 26.

### **Potential Partners/Other Resources**

- BRAVO
- Choices
- Columbus Police Department
- Franklin County Family and Children First Council
- Franklin County Office on Aging
- Franklin County Sheriff
- Franklin County Prosecutor: Victim Witness Assistance Unit
- Franklin County Children Services
- Legal Aid Society of Columbus
- Ohio Domestic Violence Network

## 7. High-Risk Pregnancy

Infant mortality rate, preterm birth rate and infant birth weights are all important measures of the care pregnant women and their newborns receive during pregnancy. In 2009, the March of Dimes gave Ohio an “F” for its efforts to reduce preterm births. Ohio is ranked 34<sup>th</sup> among the 50 states, Puerto Rico and the District of Columbia. Unfortunately, Franklin County fares even worse than the state in several areas of these. In Franklin County, the infant mortality rate and the percentage of low birth weight babies is higher than statewide data.

### **Learn more about “High-Risk Pregnancy”**

Maternal health indicators, including infant mortality and low birth weight, can be found on page 22. Indicators for adolescent pregnancy can be found on page 23.

### **Potential Partners/Other Resources**

- Council on Healthy Mothers and Babies: Pregnancy Care Connection
- Columbus Fetal Medicine Collaborative
- Women, Infants and Children

## 8. Unintentional Injuries

Unintentional injuries are a leading cause of death for Americans of all ages, regardless of gender, race, or economic status. According to the Center for Disease Control, every six minutes someone in the United States dies from causes such as motor vehicle crashes, falls, poisoning, drowning, fire, bicycle crashes, suffocation, or pedestrians being struck by motor vehicles. In Franklin County, unintentional injuries are the leading cause of death for children between the ages of 1 and 14 and are the fourth leading cause of death for all ages. Individuals with the highest rates of hospitalizations from unintentional injuries are those ages 75 and over. Trauma patients seen in a Franklin County hospital in 2010 were treated mostly for falls and motor vehicle traffic accidents.

### **Learn more about “Unintentional Injuries”**

Indicators for adult mortality due to accidents and unintentional injury can be found on page 31. Youth mortality due to accidents and unintentional injury can be found on page 42. Indicators for mechanism and location of injuries can be found on page 34.

### **Potential Partners/Other Resources**

Safe Kids of Central Ohio  
Franklin County Child Fatality Review Board  
Franklin County Office on Aging

## Summary of Findings and Next Steps

Understanding the prevalence of chronic health conditions, barriers in access to care, and other health issues can help direct resources where they will have the biggest impact. To that end, hospitals will use the data and findings contained in *Franklin County HealthMap 2013* to develop and implement strategic plans to address the community health needs identified through the assessment.

In addition to being used by our hospital systems, it is intended that a wide range of stakeholders – many more than represented on the CHNA Steering Committee – will also use this report to both identify areas where more data and analysis is needed and to inform their own planning efforts. Subsequent planning documents and reports from the Steering Committee will be shared with stakeholders and with the public.

The *Franklin County HealthMap2013* will be updated every three years, consistent with federal requirements. It is the hope of the CHNA Steering Committee that this assessment provides a window to the community’s health status and needs, a guide to target limited resources, a vehicle for strengthening relationships, and an invaluable tool for keeping the community healthy. Your comments and feedback are invited as we work to improve the information in this document when preparing *Franklin County HealthMap2016*.

Users of *Franklin County HealthMap2013* are encouraged to send feedback and comments that can help to improve the usefulness of this information when future editions are developed. Please send your comments to Jeff Klingler at the Central Ohio Hospital Council, 614-358-2710, or [jeffk@centralohiohospitals.org](mailto:jeffk@centralohiohospitals.org).

# Franklin County Health Indicators

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The Franklin County CHNA Steering Committee worked in a half-day, facilitated session to identify the health indicators to be included in this report. When considering more than 200 potential indicators for inclusion, the Steering Committee chose those indicators which:

- reflect a healthcare issue that is pertinent to central Ohio, and, when possible, was available in state and national form to allow for benchmarking; and
- came from sources that are reliable and are likely to continue providing the measure in future years to allow for trending and measurement.

Following this work, the data for Franklin County was compiled into an electronic database, and comparable data for Ohio and the United States was included, when available. Data sources included national sources such as the U.S. Census and the Centers for Disease Control and Prevention's Behavior Risk Factor Surveillance System. State sources included the Ohio Department of Health's Data Warehouse, the Ohio Family Health Survey, and the Ohio Hospital Association. Local data, such as that from the Central Ohio Trauma System (COTS), was also used. All sources are cited within this report. Rates and/or percentages were calculated when necessary. Where rates per population were calculated, U.S. Census population data or estimates for the relevant year were used.

The Central Ohio Hospital Council contracted with the Center for Public Health Practice, within The Ohio State University College of Public Health, to create a summary report of common health status indicators using existing data and resources. Although the COHC member hospitals have service areas that extend across central Ohio, for the purposes of this report, the community is defined as Franklin County.

Data is presented in the same way and with the same specificity as it appeared in the original source. Sources are listed in the Reference section that follows the report. All data appear in table and/or graph form, with supporting text. For ease in reading, citations are made within the data tables only, and are not repeated in the associated text. In some instances, comparable Ohio and/or U.S. data was not available at the time of the report and is not presented. This is indicated by 'NA'. Finally, wherever possible, the most current data from existing sources has been reported. Given the current economic and health care environments, pending policy, program, or health priority decisions for which this report is being consulted may best be made after considering data and information not available at the time of this report.

# Community Profile

This section describes the demographic, social, economic, and housing characteristics of the population in Franklin County.

The total population of Franklin County is 1,163,414. Over 60% of the population is between the ages of twenty and sixty-four, and 9.9% of the population is over the age of sixty-five. The majority races are white and African American, and 4.8% of the population is Hispanic/Latino. 48.7% of residents are male and 51.3% are female.

Nearly 10% of the population in Franklin County is 65 years or older, which is lower than the state and national percentages.

## Demographic Information<sup>1</sup>

|                         |  | FRANKLIN COUNTY | OHIO       | UNITED STATES |
|-------------------------|--|-----------------|------------|---------------|
| <b>Total Population</b> |  | 1,163,414       | 11,536,504 | 308,745,538   |
| <b>Age</b>              | Under 5 Years                          | 7.1%            | 6.2%       | 6.5%          |
|                         | 5-17 Years                             | 16.8%           | 17.4%      | 17.5%         |
|                         | 18-64 Years                            | 66.1%           | 62.3%      | 62.9%         |
|                         | 65 Years and Over                      | 9.9%            | 14.1%      | 13.0%         |
| <b>Race*</b>            | White                                  | 71.8%           | 84.5%      | 74.8%         |
|                         | African American                       | 23.1%           | 13.4%      | 13.6%         |
|                         | American Indian/Alaska Native          | 1.0%            | 0.8%       | 1.7%          |
|                         | Asian                                  | 4.6%            | 2.1%       | 5.6%          |
|                         | Native Hawaiian/Other Pacific Islander | 0.2%            | 0.1%       | 0.4%          |
|                         | Other                                  | 2.7%            | 1.4%       | 7.0%          |
| <b>Ethnicity</b>        | Hispanic or Latino (of any race)       | 4.8%            | 3.1%       | 16.3%         |
| <b>Gender</b>           | Male                                   | 48.7%           | 48.8%      | 49.2%         |
|                         | Female                                 | 51.3%           | 51.2%      | 50.8%         |

\*Race alone or in combination with one or more other races

1) Source: 2010 Census, U.S. Census Bureau

23.1% of residents in Franklin County are African American, compared to 13.4% in Ohio and 13.6% in the U.S.

Hispanic/Latinos make up 5% of the population in Franklin County, which is higher than the percentage in Ohio (3.1%) but much lower than the national percentage (16.3%).

*Community Profile, continued*

The majority of households in Franklin County are family households, meaning there is a householder and one or more other people related to the householder by birth, marriage, or adoption. The average household size is 2.38 people and the average family size is 3.05 people. 7.8% of all households do not have a vehicle, compared to 8.0% in Ohio and 8.3% in the U.S.

Of the grandparents in Franklin County living with their own grandchildren, 44% are primary caregivers.

English is the primary language, but 10.6% of the population speaks a language other than English at home. While 44.7% of the population in Franklin County is married, 11.8% is divorced. 36.1% of residents have never been married, which is higher than the state and national percentages.

58% of households in Franklin County are family households, compared to 65% in Ohio and 66% in the U.S.

**Household Information**

|   |  | FRANKLIN COUNTY | OHIO      | UNITED STATES |
|---|--|-----------------|-----------|---------------|
| <b>Household Size<sup>1</sup></b>               | Average Household Size   | 2.38            | 2.44      | 2.58          |
|   | Average Family Size  | 3.05            | 3.01      | 3.14          |
| <b>Household Type<sup>1</sup></b>               | Total Households   | 477,235         | 4,603,435 | 116,716,292   |
|   | Family Households  | 58.3%           | 65.0%     | 66.4%         |
|   | Nonfamily Households   | 41.7%           | 35.0%     | 33.6%         |
| <b>Households Without a Vehicle<sup>2</sup></b> | No Vehicle Available   | 7.8%            | 8.0%      | 8.3%          |
| <b>Grandparents as Caregivers<sup>3</sup></b>   | Grandparents who are living with and are responsible for their own grandchildren under the age of 18 | 43.7%           | 46.5%     | 40.9%         |
| <b>Language Spoken at Home<sup>3</sup></b>      | English Only   | 89.4%           | 93.9%     | 80.4%         |
|   | Speak a Language Other than English at Home  | 10.6%           | 6.1%      | 19.6%         |
| <b>Marital Status<sup>3</sup></b>               | Never Married  | 36.1%           | 29.5%     | 30.8%         |
|   | Now Married  | 44.7%           | 50.3%     | 50.3%         |
|   | Separated  | 2.2%            | 1.8%      | 2.2%          |
|   | Widowed  | 5.2%            | 6.8%      | 6.3%          |
|   | Divorced   | 11.8%           | 11.6%     | 10.4%         |

1) Source: 2010 Census, U.S. Census Bureau

2) Source: 2009, American Community Survey, U.S. Census Bureau

3) Source: 2005-2009, American Community Survey, U.S. Census Bureau

Education Level<sup>3</sup>

|                  |                                 | FRANKLIN COUNTY | OHIO  | UNITED STATES |
|------------------|---------------------------------|-----------------|-------|---------------|
| Education Level* | No High School                  | 3.2%            | 3.5%  | 6.4%          |
|                  | Some High School                | 8.2%            | 9.7%  | 9.1%          |
|                  | High School Graduate            | 27.1%           | 36.3% | 29.3%         |
|                  | Some College                    | 20.3%           | 19.8% | 20.3%         |
|                  | Associate's Degree              | 6.1%            | 7.1%  | 7.4%          |
|                  | Bachelor's Degree               | 23.0%           | 15.0% | 17.4%         |
|                  | Graduate or Professional Degree | 12.0%           | 8.6%  | 10.1%         |

\*Population 25 years and over

3) Source: 2005-2009, American Community Survey, U.S. Census Bureau

Nearly 90% of Franklin County residents who are 25 years and older have graduated from high school and 35% have a bachelor's degree or higher.

Employment Status<sup>3</sup>

|                    |                          | FRANKLIN COUNTY | OHIO  | UNITED STATES |
|--------------------|--------------------------|-----------------|-------|---------------|
| Employment Status* | Not in Labor Force       | 30.1%           | 35.0% | 35.0%         |
|                    | In Labor Force           | 69.9%           | 65.0% | 65.0%         |
|                    | (1) Civilian Labor Force | 69.8%           | 64.8% | 64.6%         |
|                    | (a) Employed             | 92.0%           | 92.0% | 92.8%         |
|                    | (b) Unemployed           | 8.0%            | 8.0%  | 7.2%          |
|                    | (2) Armed Forces         | 0.1%            | 0.1%  | 0.5%          |

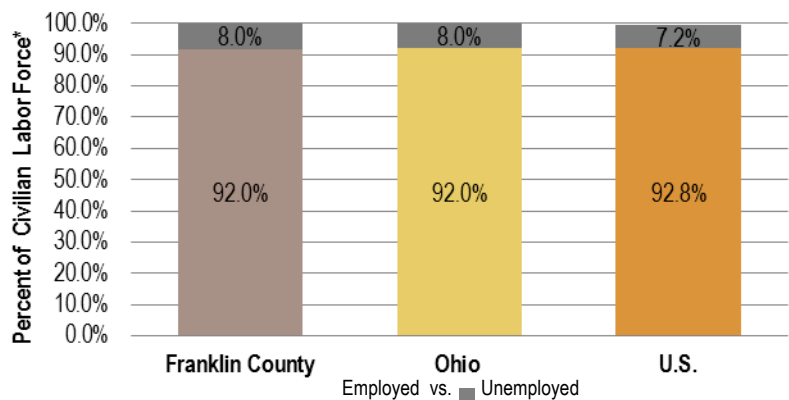
\*Population 16 years and over

3) Source: 2005-2009, American Community Survey, U.S. Census Bureau

11.4% of Franklin County residents aged twenty-five years and over have not graduated from high school. This percentage is lower than the percentage in Ohio (13.2%) and the U.S. (15.5%).

8.0% of those 16 years and older in the civilian labor force are unemployed in both Franklin County and Ohio. This is higher than the 7.2% unemployed in the U.S.

Employment Status



2005-2009 American Community Survey, U.S. Census  
\* 16 years and older



*Community Profile, continued*

The top employment industries in Franklin County include Educational Services and Health Care & Social Assistance, and Retail Trade. The industry that employs the least amount of the population is Agriculture, Forestry, Fishing & Hunting, and Mining.

The highest percentage of Franklin County residents are employed in management, professional, or related occupations.

**Employment by Occupation & Industry<sup>3</sup>**

|   |  | FRANKLIN COUNTY | OHIO  | UNITED STATES |
|---|--|-----------------|-------|---------------|
| <b>Employment Occupations<sup>1</sup></b> | Management, Professional, and Related Occupations                                      | 39.8%           | 32.8% | 34.8%         |
|   | Sales and Office   | 27.7%           | 25.5% | 25.6%         |
|   | Service  | 15.7%           | 16.8% | 16.9%         |
|   | Production, Transportation, and Material Moving  | 10.5%           | 16.4% | 12.5%         |
|   | Construction, Extraction, Maintenance, and Repair                                      | 6.2%            | 8.2%  | 9.5%          |
|   | Farming, Fishing, and Forestry   | 0.1%            | 0.3%  | 0.7%          |
| <b>Employment Industry</b>                | Educational Services and Health Care & Social Assistance                               | 22.5%           | 22.7% | 21.5%         |
|   | Retail Trade   | 12.5%           | 11.6% | 11.5%         |
|   | Professional, Scientific, & Management, and Administrative & Waste Management Services | 11.9%           | 8.8%  | 10.3%         |
|   | Finance & Insurance, and Real Estate & Rental & Leasing                                | 10.6%           | 6.6%  | 7.1%          |
|   | Arts, Entertainment, & Recreation, and Accommodation & Food Services                   | 8.9%            | 8.5%  | 8.8%          |
|   | Manufacturing  | 7.7%            | 16.4% | 11.2%         |
|   | Transportation & Warehousing, and Utilities  | 5.1%            | 5.0%  | 5.1%          |
|   | Public Administration  | 5.1%            | 3.8%  | 4.7%          |
|   | Construction   | 4.8%            | 5.8%  | 7.4%          |
|   | Other Services, Except Public Administration   | 4.4%            | 4.5%  | 4.8%          |
|   | Wholesale Trade  | 3.4%            | 3.2%  | 3.2%          |
|   | Information  | 2.9%            | 2.0%  | 2.4%          |
|   | Agriculture, Forestry, Fishing & Hunting, and Mining                                   | 0.2%            | 1.1%  | 1.8%          |

<sup>3</sup>) Source: 2005-2009, American Community Survey, U.S. Census Bureau

## Community Profile, continued

Franklin County has a greater percentage of people employed in the Professional, Scientific, & Management and Finance & Insurance industries (22.5%) than both Ohio (15.4%) and the U.S. (17.4%). However, Franklin County employs fewer people in the Manufacturing industry.

The per capita income in Franklin County is higher than the state average and comparable to that of the U.S. On average, 630 individuals use area homeless shelters per night, and emergency shelters serve 7,094 homeless individuals yearly.

In Franklin County, the median household income is \$49,041, which is higher than the median in Ohio, but slightly lower than the national figure.

### Income, Poverty, & Homelessness

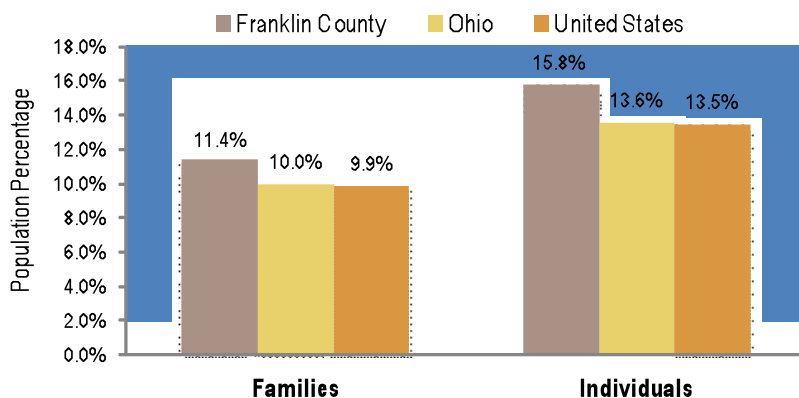
|                               |   | FRANKLIN COUNTY | OHIO     | UNITED STATES |
|-------------------------------|---|-----------------|----------|---------------|
| Income <sup>3</sup>           | Per Capita Income                                   | \$27,002        | \$24,830 | \$27,041      |
|                               | Median Household Income                             | \$49,041        | \$47,144 | \$51,425      |
|                               | Mean Household Income                               | \$65,006        | \$61,506 | \$70,096      |
| Poverty Status <sup>3</sup>   | Families Below Poverty Level                        | 11.4%           | 10.0%    | 9.9%          |
|                               | Individuals Below Poverty Level                     | 15.8%           | 13.6%    | 13.5%         |
|                               | Under 18 Years                                      | 21.2%           | 19.1%    | 18.6%         |
|                               | 18 to 64 Years                                      | 14.7%           | 12.6%    | 12.2%         |
|                               | 65 Years and Over                                   | 9.8%            | 8.5%     | 9.8%          |
| Homeless Persons <sup>4</sup> | Homeless Persons Served in Emergency Shelters       | 7,094           | NA       | NA            |
|                               | Average Number of Persons who use Shelter per Night | 630             | NA       | NA            |

NA = Not Available

3) Source: 2005-2009, American Community Survey, U.S. Census Bureau

4) Source: June 1, 2009-June 30, 2010, Community Shelter Board

### Population Below Poverty Level



2005-2009, American Community Survey, U.S. Census Bureau

Franklin County has a higher percentage of families and individuals living below the poverty level than both Ohio and the U.S.

## Community Profile, continued

Among those with health insurance in Franklin County, the majority have private health insurance. Approximately 5% of Franklin County children under the age of eighteen lack health insurance, which is lower than both Ohio and the U.S.

13% of residents in Franklin County lack health insurance, which is higher than the percentage in Ohio (12.3%), but slightly lower than the national percentage (15.5%).

### Health Insurance

|                                 |   | FRANKLIN COUNTY | OHIO  | UNITED STATES |
|---------------------------------|---|-----------------|-------|---------------|
| Insurance Status <sup>5,*</sup> | With Health Insurance Coverage                                      | 87.0%           | 87.7% | 84.5%         |
|                                 | With Private Health Insurance (of those with coverage) <sup>†</sup> | 78.2%           | 79.1% | 77.9%         |
|                                 | With Public Health Insurance (of those with coverage) <sup>†</sup>  | 31.4%           | 34.9% | 35.1%         |
|                                 | No Health Insurance Coverage  | 13.0%           | 12.3% | 15.5%         |
|                                 | No Health Insurance Coverage - Under 18 Years                       | 4.6%            | 6.0%  | 8.0%          |
|                                 | No Health Insurance Coverage – 18 to 64 Years                       | 17.9%           | 17.4% | 21.4%         |

<sup>\*</sup>Among civilian non-institutionalized population

<sup>†</sup>Private health insurance is a plan provided through an employer or union; a plan purchased by an individual from an insurance company; or TRICARE or other military health coverage. Public coverage includes the federal programs Medicare, Medicaid and other medical assistance programs, VA Health Care; the Children's Health Insurance Program (CHIP); and individual state health plans.

<sup>5</sup> Source: 2010, American Community Survey

Among adults aged sixty-five years and over in Franklin County, 35.4% have a disability.

11% of the Franklin County population has a disability, with most of those individuals being 65 or older.

### Disability Status<sup>3</sup>

|                   |                                      | FRANKLIN COUNTY | OHIO  | UNITED STATES |
|-------------------|--------------------------------------|-----------------|-------|---------------|
| Disability Status | Total With a Disability              | 11.0%           | 13.4% | 12.0%         |
|                   | Under 18 Years* With a Disability    | 3.9%            | 4.7%  | 3.9%          |
|                   | 18 to 64 Years* With a Disability    | 10.0%           | 11.7% | 10.1%         |
|                   | 65 Years and Over* With a Disability | 35.4%           | 36.9% | 37.4%         |

<sup>\*</sup>Among civilian noninstitutionalized population within specified age groups.

<sup>3</sup> Source: 2005-2009, American Community Survey, U.S. Census Bureau

Civilian veterans account for 8.9% of the population, which is lower than the state and national percentages.

### Veteran's Status<sup>3</sup>

| Veteran Status | Civilian Veterans | FRANKLIN COUNTY | OHIO  | UNITED STATES |
|----------------|-------------------|-----------------|-------|---------------|
|                |                   | 8.9%            | 10.9% | 10.1%         |

<sup>3</sup> Source: 2005-2009, American Community Survey, U.S. Census Bureau

# Health Resource Availability

This section describes the availability of health care providers and other health care resources for Franklin County residents.

In Franklin County there are 609 people for every one primary care physician, compared to 663 people per primary care physician in Ohio.

Generally, with the exception of nurses, Franklin County has lower population to licensed practitioner ratios than Ohio. There are 1,256 people for every one licensed dentist, compared to 2,181 people per dentist in Ohio.

Approximately 30% of all home care providers in Ohio practice in Franklin County.

With respect to staffed hospital beds, Franklin County has a lower population to bed ratio (240:1) than Ohio (340:1). However, Franklin County has a higher ratio of population to staffed nursing home beds (186:1) than Ohio (124:1).

The ratio of population to licensed nurses is higher in Franklin County (89:1) than in Ohio (69:1).

| Healthcare Practitioners, Home Care Providers and Hospital Beds |  | FRANKLIN COUNTY |         | OHIO    |          |
|---|--|-----------------|---------|---------|----------|
|   |  | Total           | Ratio*  | Total   | Ratio*   |
| Licensed Practitioners  | Dentists <sup>6</sup>                          | 926             | 1,256:1 | 5,289   | 2,181:1  |
|   | Licensed Physicians (MDs and DOs) <sup>7</sup> | 4,415           | 264:1   | 26,250  | 439:1    |
|   | Optometrists/Opticians <sup>8</sup>            | 304             | 3,827:1 | 1,865   | 6,186:1  |
|   | Practical Nurses <sup>9</sup>                  | 989             | 1,176:1 | 9,469   | 1,218:1  |
|   | Nurses <sup>9</sup>                            | 13,031          | 89:1    | 166,155 | 69:1     |
| Primary Care Physicians   | Primary Care Physicians <sup>7</sup>           | 1,910           | 609:1   | 17,410  | 663:1    |
| Home Care Providers   | Home Care Providers <sup>10</sup>              | 181             | 6,428:1 | 610     | 18,912:1 |
| Staffed Beds  | Hospital Beds <sup>11</sup>                    | 4,740           | 240:1   | 33,860  | 340:1    |
|   | Nursing Home Beds <sup>10</sup>                | 6,246           | 186:1   | 92,786  | 124:1    |

\*Ratio of population to providers

6) Source: 2011, Ohio State Dental Board

7) Source: 2011, State Medical Board of Ohio

8) Source: 2011, Ohio Board of Optometry

9) Source: 2011, Ohio Board of Nursing

10) Source: 2011, Ohio Department of Health

11) Source: 2008, American Hospital Association & Ohio Hospital Association

*Health Resource Availability, continued*

There were a total of 601,608 Emergency Department visits by Franklin County residents in 2009. When visiting the ED, patients are either treated and released or admitted to the hospital.

The rate of Emergency Department visits is 541.5 per 1,000 Franklin County residents, compared to a rate of 533.2 for Ohio residents.

**Emergency Department (ED) Visits<sup>12</sup>**

|   |                                | Franklin County Residents <sup>†</sup> |                   | Ohio Residents* |                   |
|---|--------------------------------|--|-------------------|-----------------|-------------------|
|   |                                | Total                                  | Rate <sup>^</sup> | Total           | Rate <sup>^</sup> |
| <b>ED Visits<sup>†</sup></b>                      | Emergency Department Visits    | 601,608                                | 541.5             | 6,127,718       | 533.2             |
| <b>Types of ED Visits by Severity<sup>†</sup></b> | <i>ED Treated and Released</i> | 528,838                                | 476.0             | 5,366,226       | 466.9             |
|   | Severity 1                     | 475,229                                | 427.7             | 4,819,886       | 419.4             |
|   | Severity 2                     | 52,678                                 | 47.4              | 536,853         | 46.7              |
|   | Severity 3                     | 885                                    | 0.8               | 8,975           | 0.8               |
|   | Severity 4                     | 46                                     | 0                 | 512             | 0                 |
|   | <i>ED Admitted</i>             | 72,770                                 | 65.5              | 761,492         | 66.3              |
|   | Severity 1                     | 20,843                                 | 18.8              | 216,239         | 18.8              |
|   | Severity 2                     | 39,089                                 | 35.2              | 409,109         | 35.6              |
|   | Severity 3                     | 10,166                                 | 9.2               | 109,456         | 9.5               |
|   | Severity 4                     | 2,672                                  | 2.4               | 26,688          | 2.3               |

<sup>†</sup>Visits represent total number of Franklin County residents seen in a hospital

\*Visits represent total number of Ohio residents seen in a hospital

<sup>^</sup>Rate per 1,000 population

12) Source: 2009, Ohio Hospital Association

When patients are seen in the ED, they are assigned a "Severity" rating between 1 and 4, with 1 being the least complicated and 4 being the most complicated.

In both Franklin County and Ohio hospitals, over 84% of those seen in the Emergency Department are treated and released. Nearly, 90% of these patients are severity 1 level.

Nearly 90% of patients who were treated in the ED and released were classified as Severity 1, or least complicated, patients.

Of the patients that were admitted into the hospital through the Emergency Department, in both Franklin County and Ohio hospitals, most were classified as Severity 2 patients.

# Behavioral Risk Factors

This section describes some behaviors of Franklin County adult residents that affect health.

When it comes to alcohol consumption, 4.4% of adults in Franklin County identify themselves as heavy drinkers, meaning more than two drinks per day for men and more than one drink per day for women.

18.3% of adults in Franklin County are current smokers, which is lower than the percentage in Ohio (22.5%), but slightly higher than the percentage in the U.S. (17.3%).

15.2% of adults identify themselves as binge drinkers, meaning five or more drinks on one occasion for men and four or more drinks on one occasion for women.

Over 70% of adults in Franklin County have participated in some kind of physical activity within the past month.

Nearly 24% of adults consume fruits and vegetables five or more times per day, and the percentage of adults participating in a physical activity within the past month in Franklin County is 72.4%, compared to 73.9% in Ohio.

## Behavioral Risk Factors

| Behavioral Risk Factors                 |   | FRANKLIN COUNTY | OHIO  | UNITED STATES |
|---|---|-----------------|-------|---------------|
| <b>Cigarette Use</b> <sup>*13</sup>     | Current Smokers                                       | 18.3%           | 22.5% | 17.3%         |
| <b>Alcohol Use</b> <sup>*13</sup>       | Heavy Drinkers  | 4.4%            | 5.3%  | 5.0%          |
|   | Binge Drinkers  | 15.2%           | 17.2% | 15.1%         |
| <b>Nutrition</b> <sup>*14</sup>         | Consume Fruits and Vegetables 5 or More Times per Day | 23.8%           | 21.0% | 23.4%         |
| <b>Physical Activity</b> <sup>*14</sup> | Participated in Physical Activities in the Past Month | 72.4%           | 73.9% | NA            |

\* Percent of adults 18 and over surveyed

NA = Not Available

13) Source: 2010, Behavioral Risk Factor Surveillance System, Centers for Disease Control and Prevention

14) Source: 2009, Behavioral Risk Factor Surveillance System, Centers for Disease Control and Prevention

# Wellness Care

This section describes some of the early disease detection practices among adult Franklin County residents.

In Franklin County, approximately 83% of women aged eighteen and over received a pap smear for cervical cancer screening in the past three years, which is a percentage very similar to that of women in both Ohio (81.7%) and the U.S. (81.1%).

Nearly 53% percent of men in Franklin County aged forty and over received a prostate-specific antigen (PSA) test for prostate cancer screening within the past two years, a similar percentage to that of men in Ohio and the U.S. While 17.1% of adults aged fifty and over had a blood stool test to screen for colorectal cancer within the past two years, 66.2% also indicated that they had received a sigmoidoscopy or colonoscopy in the past.

For breast cancer screening, 75.8% of women aged 40 and over in Franklin County had a mammogram within the past two years, which is higher than the 74.2% of women in Ohio and comparable to the national percentage.

## Cancer Screening<sup>13</sup>

|                          |                          |  | FRANKLIN COUNTY | OHIO  | UNITED STATES |
|--------------------------|--------------------------|--|-----------------|-------|---------------|
| <b>Cancer Screening*</b> | <b>Cervical Cancer</b>   | Pap Smear<br>Women aged 18 and over who have had a pap test within the past three years                        | 83.3%           | 81.7% | 81.1%         |
|                          | <b>Breast Cancer</b>     | Mammography<br>Women aged 40 and over who have had a mammogram within the past two years                       | 75.8%           | 74.2% | 75.6%         |
|                          | <b>Prostate Cancer</b>   | Prostate-Specific Antigen (PSA) Test<br>Men aged 40 and over who have had a PSA test within the past two years | 52.7%           | 54.4% | 53.3%         |
|                          | <b>Colorectal Cancer</b> | Blood Stool Test<br>Adults aged 50 and over who have had a blood stool test within the past two years          | 17.1%           | 18.7% | 17.3%         |
|                          |                          | Sigmoidoscopy or Colonoscopy<br>Adults aged 50 and over who have ever had a sigmoidoscopy or colonoscopy       | 66.2%           | 64.0% | 65.3%         |

\*Percent of adults 18 and over surveyed

13) Source: 2010, Behavioral Risk Factor Surveillance System, Centers for Disease Control and Prevention

# Maternal & Child Health

This section describes concerns about the health of pregnant women and newborns in Franklin County.

The infant mortality rate in Franklin County is approximately 8.2 deaths per 1,000 live births, which is slightly higher than the rate of 7.7 in Ohio. For minority populations, the mortality rate is 16.0 among Black infants and 6.2 among Hispanic or Latino infants.

Franklin County has a slightly higher percentage of low birth weight babies (newborns weighing less than 2,500 grams) than Ohio, 9.6% and 8.6% respectively.

With regard to cigarette use during pregnancy, 15.2% of pregnant women in Franklin County smoked during the last three months of their pregnancy, compared to 21.5% of pregnant women in Ohio.

While the mortality rate among White infants is 5 deaths per 1,000 live births in Franklin County, the mortality rate among Black infants is 16 deaths per 1,000 live births.

The abortion rate in Franklin County is 14.6 per 1,000 women, compared to 11.8 in Ohio.

## Maternal Health Indicators

|  |  | FRANKLIN COUNTY | OHIO  |
|--|--|-----------------|-------|
| Infant Mortality Rate <sup>15</sup>          | Total Rate*                                | 8.2             | 7.7   |
|  | White                                      | 5.0             | 6.0   |
|  | Black                                      | 16.0            | 16.2  |
|  | Native American                            | 0.0             | 0.0   |
|  | Asian/Other Pacific Islander               | 4.9             | 1.8   |
|  | Hispanic or Latino†                        | 6.2             | 6.1   |
| Low Birth Weight Babies <sup>15</sup>        | Less than 2,500 Grams^                     | 9.6%            | 8.6%  |
| Cigarette Use During Pregnancy <sup>16</sup> | Smoking in Last Three Months of Pregnancy§ | 15.2%           | 21.5% |
| Abortion Rate <sup>15</sup>                  | Total Induced Abortion Rate#               | 14.6            | 11.8  |

\*Rate per 1,000 live births

†Race categories may include Hispanics

^Percent of live births

§Percent of women in the Special Supplemental Nutrition Program for Women, Infants, and Children (WIC)

#Rate per 1,000 women ages 15-44

15) Source: 2008, Ohio Department of Health

16) Source: 2009, Ohio Department of Health



### Adolescent Pregnancy<sup>15</sup>

|                             |             | FRANKLIN COUNTY | OHIO  |
|-----------------------------|-------------|-----------------|-------|
| Adolescent Pregnancy Rate*  | 10-14 Years | 1.5             | 1.3   |
|                             | 15-17 Years | 44.4            | 38.7  |
|                             | 18-19 Years | 117.1           | 108.0 |
| Adolescent Live Birth Rate* | 10-14 Years | 0.8             | 0.5   |
|                             | 15-17 Years | 24.9            | 19.7  |
|                             | 18-19 Years | 79.2            | 73.7  |

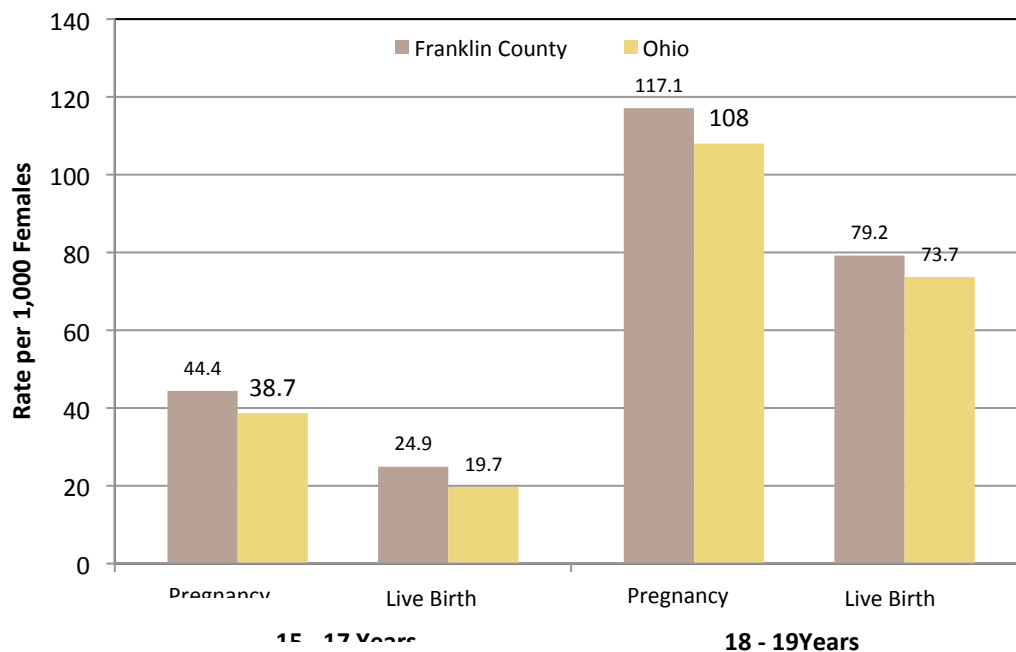
\*Rate per 1,000 women

15) Source: 2008, Ohio Department of Health

In Franklin County, the adolescent pregnancy rate among girls aged fifteen to seventeen years is 44.4 pregnancies per 1,000 females. That rate increases to 117.1 among adolescent girls between the ages of eighteen and nineteen. In addition, adolescent girls between the ages of eighteen and nineteen have a higher rate of live births (79.2) when compared to girls ages fifteen to seventeen (24.9).

Adolescent pregnancy and live birth rates are higher in Franklin County than in Ohio.

### Adolescent Pregnancies and Live Births



# Oral Health

*This section describes the dental needs and availability of care for Franklin County adult residents.*

In Franklin County, approximately 17% of adults between the ages of eighteen and sixty-four needed dental care, but could not secure it within the past year, while 15% percent in Ohio were unable to secure dental care.

8% of Franklin County residents who are 65 years and older needed dental care in the past year, but were not able to secure it, compared to 4.8% of adults 65 years and older in Ohio.

In Franklin County, 25.4% of adults over the age of 17 have no dental coverage even if insured, compared to 30.9% of adults in Ohio.

## Access to Dental Care and Dental Coverage<sup>5</sup>

|   |                    | FRANKLIN COUNTY | OHIO  |
|---|--------------------|-----------------|-------|
| Needed Dental Care,<br>But Could Not Secure in the Past 12 Months | Over 17 Years      | 15.9%           | 13.1% |
|   | 18-64 Years        | 17.1%           | 14.9% |
|   | 65 Years and Older | 8.0%            | 4.8%  |
| No Dental Coverage,<br>Even if Insured                            | Over 17 Years      | 25.4%           | 30.9% |
|   | 18-64 Years        | 19.5%           | 23.4% |
|   | 65 Years and Older | 57.3%           | 59.8% |

5) Source: 2008, Ohio Family Health Survey

# Mental & Social Health

This section describes issues associated with the mental and social health of Franklin County residents, including domestic violence, psychiatric admissions, and alcohol related incidents.

There were 12,883 cases of child abuse reported in Franklin County in 2007. Among those cases, most instances were families in need of services or dependency. In Ohio, most cases were instances of neglect, followed by physical abuse. Sexual abuse accounted for 10.9% of the cases in Franklin County, compared to 12.6% in Ohio.

Nearly 50% of the child abuse cases reported in Franklin County are the result of physical abuse or

## Child Abuse<sup>17</sup>

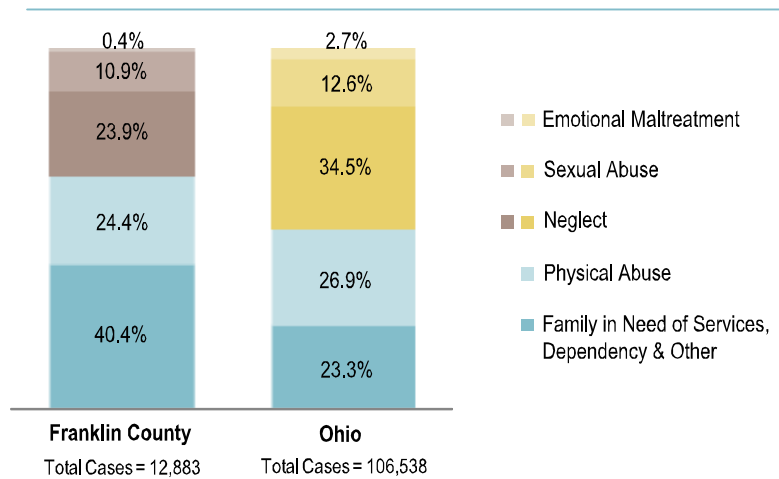
|                    |  | FRANKLIN COUNTY | OHIO    |
|--------------------|--|-----------------|---------|
| <b>Child Abuse</b> | Total Cases                                    | 12,883          | 106,538 |
|                    | Physical Abuse                                 | 24.4%           | 26.9%   |
|                    | Neglect  | 23.9%           | 34.5%   |
|                    | Sexual Abuse                                   | 10.9%           | 12.6%   |
|                    | Emotional Maltreatment                         | 0.4%            | 2.7%    |
|                    | Family in Need of Services, Dependency & Other | 40.4%           | 23.3%   |

Note: Includes those under the age of 18.

17) Source: 2007, Public Children Services Association of Ohio

Between 2007 and 2010 the number of hospitalizations for reported child abuse cases increased from 74 cases to 100 cases for children aged fifteen years and younger.

## Child Abuse Cases



2007, Public Children Services Association of Ohio

## Children Hospitalized due to Abuse<sup>24</sup>

|                                  | FRANKLIN COUNTY HOSPITALS |      |
|----------------------------------|---------------------------|------|
|                                  | 2007                      | 2010 |
| Hospitalized Child Abuse Cases*§ | 74                        | 100  |

\*Patients who were transferred in or out, admitted or died at Franklin County Hospitals, including patients living inside and outside Franklin County

§Rate per 100,000 population under 15 years; 24) Source: 2007 & 2010, Central Ohio Trauma System

## Mental & Social Health, continued

In 2010, there were 5,886 reported incidents of domestic violence in Franklin County and the majority of those incidents (55.6%) resulted in injury to the victim. The majority of incidents in Ohio (55.2%) did not result in an injured victim.

In Franklin County there were 12 reported incidents of domestic violence that resulted in a fatal injury.

### Domestic Violence Incidents<sup>18</sup>

|                   |                          | FRANKLIN COUNTY | OHIO   |
|-------------------|--------------------------|-----------------|--------|
| Domestic Violence | Total Incidents          | 5,886           | 56,904 |
|                   | Victim With No Injury    | 44.2%           | 55.2%  |
|                   | Victim With Injury       | 55.6%           | 44.6%  |
|                   | Victim With Fatal Injury | 0.2%            | 0.2%   |

Note: Includes all domestic violence reports child, adult, male and female.

18) Source: 2010, Ohio Bureau of Criminal Identification and Investigation

In Franklin County, nearly 9 deaths per 100,000 people are due to homicide, while approximately 12 deaths per 100,000 people are due to suicide.

Franklin County has higher homicide and suicide rates than the state as a whole.

### Intentional Injury

|                  |                                     |   | FRANKLIN COUNTY | OHIO |
|------------------|-------------------------------------|---|-----------------|------|
| Deaths           | Homicide <sup>19</sup>              | Homicide Rate*                                | 8.7             | 5.6  |
|                  | Suicide <sup>19</sup>               | Suicide Rate*                                 | 12.4            | 11.3 |
| Hospitalizations | Assault/Alleged Abuse <sup>20</sup> | Intentional (Injury Hospitalization Rate*)    | 43.0            | NA   |
|                  | Attempted Suicide <sup>20</sup>     | Self-inflicted (Injury Hospitalization Rate*) | 3.0             | NA   |

\*Age-adjusted death rate per 100,000 population

NA = Not Available

19) Source: 2006-2008, Ohio Department of Health

20) Source: 2005-2007, Central Ohio Trauma System

### Psychiatric Admissions

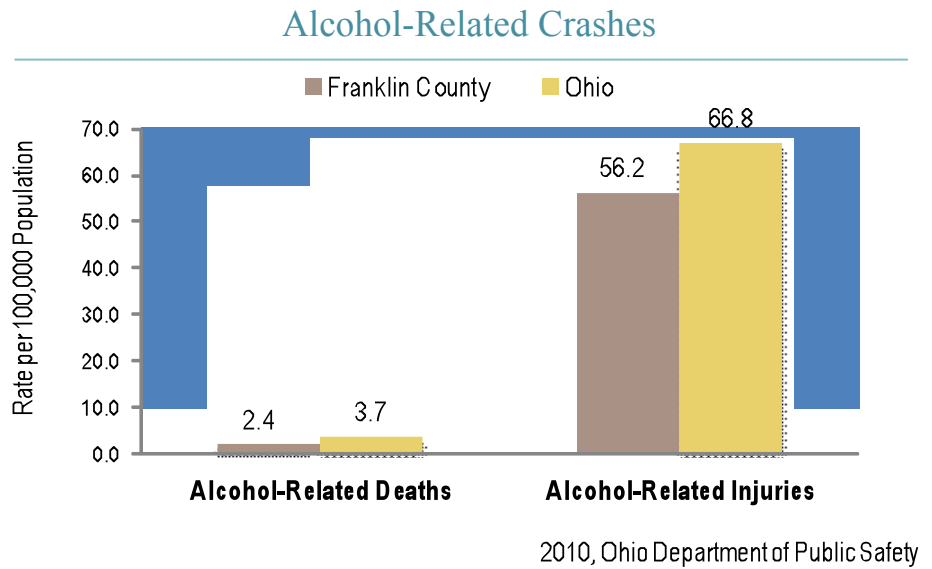
|                                      |                             | Franklin County Residents |       | Ohio Residents |       |
|--------------------------------------|-----------------------------|---------------------------|-------|----------------|-------|
|                                      |                             | Number                    | Rate† | Number         | Rate† |
| Psychiatric Admissions <sup>12</sup> | Psychiatric Admission Rate† | 51,380                    | 44.6  | 554,371        | 48.0  |

†Rate per 1,000 population

12) Source: 2009, Ohio Hospital Association

The alcohol-related crash mortality rate in Franklin County is 2.4 deaths per 100,000 people, which is lower than the rate of 3.7 in Ohio. Franklin County also has a lower alcohol-related crash injury rate (56.2) when compared to Ohio (66.8).

In Franklin County there were 1,266 alcohol-related crashes, which represent approximately 10% of all alcohol-related crashes in Ohio.



### Alcohol Related Crashes

|                                       |                                       | FRANKLIN COUNTY | OHIO   |
|---------------------------------------|---------------------------------------|-----------------|--------|
| Alcohol-Related Crashes <sup>21</sup> | Total Alcohol-Related Crashes         | 1,266           | 13,030 |
|                                       | Alcohol-Related Crash Mortality Rate* | 2.4             | 3.7    |
|                                       | Alcohol-Related Crash Injury Rate*    | 56.2            | 66.8   |

\*Rate per 100,000 population

21) Source: 2010, Ohio Department of Public Safety

### Drug-Related Incidents

|   |   | FRANKLIN COUNTY | OHIO |
|---|---|-----------------|------|
| Unintentional Drug/Medication Mortality <sup>15</sup> | Unintentional Drug/Medication Mortality Rate* | 15.7            | 12.5 |

15) Source: 2008, Ohio Department of Health

In Franklin County, approximately 16 people per 100,000 die due to unintentional drug or medication misuse.

# Death, Illness, & Injury

This section describes leading causes of death, illness, and injury among the residents of Franklin County.

## General Health

Approximately 18% of adults in Franklin County believe their health is excellent, which is comparable to the percentage in Ohio, but slightly lower than the percentage in the U.S. While 12.3% of adults describe their general health as fair, 3.2% judge their general health to be poor.

Nearly 85% of adults in Franklin County describe their general health as good, very good, or excellent.

### General Health Perception<sup>13</sup>

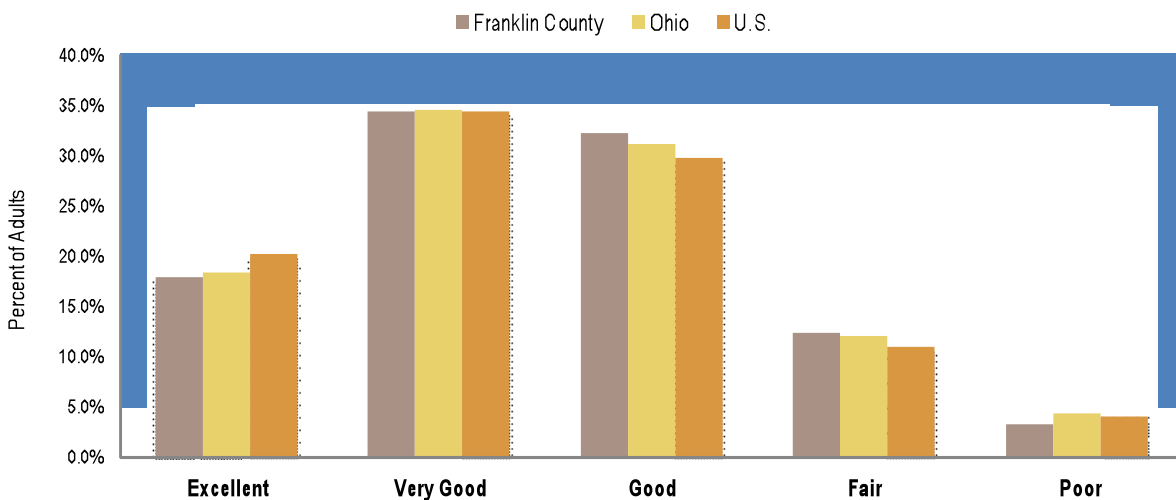
|                              |           | FRANKLIN COUNTY | OHIO  | UNITED STATES |
|------------------------------|-----------|-----------------|-------|---------------|
| How is your general health?* | Excellent | 17.9%           | 18.3% | 20.2%         |
|                              | Very Good | 34.4%           | 34.6% | 34.5%         |
|                              | Good      | 32.2%           | 31.1% | 29.8%         |
|                              | Fair      | 12.3%           | 12.0% | 10.9%         |
|                              | Poor      | 3.2%            | 4.2%  | 4.0%          |

\*Percent of adults 18 and over surveyed

13) Source: 2010, Behavioral Risk Factor Surveillance System, Centers for Disease Control and Prevention

The percentage of adults in Franklin County that perceive their health as poor (3.2%) is lower than in Ohio (4.2%) and the U.S. (4.0%).

### Perceptions on Health Status: How is your General Health?



2010, Behavioral Risk Factor Surveillance System, Centers for Disease Control and Prevention

Adult Health Indicators

| Adult Health Indicators      |                                      | FRANKLIN COUNTY | OHIO  | UNITED STATES |
|------------------------------|--------------------------------------|-----------------|-------|---------------|
| Adult Diagnoses*             | Arthritis <sup>14</sup>              | 26.7%           | 30.8% | 26.0%         |
|                              | Asthma <sup>13</sup>                 | 10.5%           | 9.6%  | 9.1%          |
|                              | Diabetes <sup>13</sup>               | 9.8%            | 10.1% | 8.7%          |
|                              | High Blood Cholesterol <sup>14</sup> | 38.6%           | 39.6% | 37.5%         |
|                              | High Blood Pressure <sup>14</sup>    | 28.5%           | 31.7% | 28.7%         |
| Adult Body Mass Index* (BMI) | Healthy <sup>13</sup>                | 36.1%           | 34.3% | 35.5%         |
|                              | Overweight <sup>13</sup>             | 32.5%           | 36.0% | 36.2%         |
|                              | Obese <sup>13</sup>                  | 31.4%           | 29.7% | 27.5%         |

\*Percent of adults 18 and over surveyed

14) Source: 2009, Behavioral Risk Factor Surveillance System, Centers for Disease Control and Prevention

13) Source: 2010, Behavioral Risk Factor Surveillance System, Centers for Disease Control and Prevention

38.6% of adults in Franklin County have had their blood cholesterol checked and have been told it was high, and 28.5% have been told they have high blood pressure.

Approximately 10% of adults have been told by a doctor that they have diabetes, which is comparable to the percentages in Ohio and slightly more than the U.S.

While Franklin County has a higher percentage of adults that are at a healthy weight when compared to Ohio and the U.S., it also has a higher percentage of obese adults.

Over 60% of adults in Franklin County are overweight or obese.

## Hospitalizations

In Franklin County, approximately 52 per 1,000 people were hospitalized due to hypertension, compared to 57 per 1,000 people in Ohio. Franklin County also has lower hospitalization rates for diabetes and heart failure when compared to Ohio.

Hypertension causes the most hospitalizations in Franklin County, followed by diabetes, heart failure, and asthma.

### Hospitalization Rates<sup>12</sup>

|                   |                  | FRANKLIN COUNTY RESIDENTS |       | OHIO RESIDENTS |       |
|-------------------|------------------|---------------------------|-------|----------------|-------|
|                   |                  | Number                    | Rate† | Number         | Rate† |
| Hospitalizations* | Hypertension     | 42,885                    | 37.3  | 528,400        | 45.8  |
|                   | Diabetes         | 28,703                    | 25.0  | 333,576        | 28.9  |
|                   | Heart Failure    | 14,720                    | 12.8  | 198,634        | 17.2  |
|                   | Asthma           | 12,102                    | 10.5  | 116,734        | 10.1  |
|                   | Pneumonia        | 8,640                     | 7.5   | 118,413        | 10.3  |
|                   | Heart Attack     | 5,616                     | 4.9   | 59,063         | 5.1   |
|                   | Stroke           | 2,738                     | 2.4   | 39,811         | 3.4   |
|                   | Premature Births | 1,981                     | 1.7   | 23,266         | 2.0   |
|                   | Influenza        | 1,902                     | 1.7   | 12,941         | 1.1   |
|                   | Cellulitis       | 660                       | 0.6   | 6,146          | 0.5   |
|                   | Burns            | 246                       | 0.2   | 1,975          | 0.2   |

Note: Based on diagnosis at discharge.

†Rate per 1,000 population

12) Source: 2009, Ohio Hospital Association



## Mortality

The leading cause of death in Franklin County is cancer followed by heart disease and chronic lower respiratory diseases.

### Mortality Rates<sup>19</sup>

|  |   | FRANKLIN COUNTY           |        | OHIO    |        |
|--|---|---------------------------|--------|---------|--------|
|  |   | Deaths*                   | Rate** | Deaths* | Rate** |
|  | Malignant Neoplasms (Cancer)                        | 5,607                     | 196.6  | 74,998  | 195.9  |
| <b>Mortality Rates<br/>Top 10 Leading<br/>Causes</b> | Diseases of the Heart                               | 5,579                     | 200.1  | 81,952  | 209.0  |
|  | Chronic Lower Respiratory Diseases                  | 1,475                     | 54.5   | 19,364  | 50.5   |
|  | Accidents, Unintentional Injuries                   | 1,303                     | 40.5   | 14,644  | 40.6   |
|  | Cerebrovascular Disease (Stroke)                    | 1,301                     | 47.3   | 17,275  | 44.1   |
|  | Diabetes Mellitus                                   | 759                       | 26.4   | 11,021  | 28.6   |
|  | Alzheimer's Disease                                 | 677                       | 25.9   | 11,507  | 28.6   |
|  | Influenza and Pneumonia                             | 522                       | 19.0   | 5,775   | 14.7   |
|  | Nephritis, Nephrotic Syndrome, & Nephrosis          | 467                       | 17.0   | 5,318   | 13.7   |
|  | Suicide   | 419                       | 12.4   | 3,980   | 11.3   |
|  | <b>Cancer Mortality<br/>Rates<br/>Top 5 Cancers</b> | Trachea, Bronchus, & Lung | 1,746  | 62.0    | 22,220 |
| Colon, Rectum, & Anus                                |   | 496                       | 17.6   | 7,265   | 18.9   |
| Breast (Female) <sup>†</sup>                         |   | 480                       | 28.4   | 5,544   | 25.6   |
| Pancreas   |   | 349                       | 12.2   | 4,431   | 11.5   |
| Prostate (Male) <sup>^</sup>                         |   | 230                       | 23.6   | 3,611   | 24.7   |

\*Total Numbers for 3 years

\*\*Age-adjusted death rate per 100,000 population

†Age-adjusted death rate per 100,000 females

^Age-adjusted death rate per 100,000 males

19) Source: 2006-2008, Ohio Vital Statistics, Analysis by Columbus Public Health

The mortality rate in Franklin County from diseases of the heart is approximately 200 deaths per 100,000 people, which is lower than the heart disease mortality rate in Ohio (209 deaths per 100,000 people).

Franklin County has higher mortality rates than Ohio for lung, breast, and pancreatic cancer, but lower mortality rates for colon and prostate cancer.

Cancer of the trachea, bronchus, and lung has the highest cancer mortality rate in Franklin County, causing 62.0 deaths per 100,000 people.

## Cancer Incidence

Rates of new cases of breast, prostate, and lung & bronchus cancers in Franklin County are higher than both Ohio and the U.S.

|                         |                   | FRANKLIN COUNTY | OHIO  | UNITED STATES |
|-------------------------|-------------------|-----------------|-------|---------------|
| Cancer Incidence Rates* | Prostate (Male) ^ | 161.0           | 145.5 | 156.9         |
|                         | Breast (Female) † | 128.8           | 119.9 | 122.9         |
|                         | Lung & Bronchus   | 80.9            | 75.0  | 62.5          |
|                         | Colon & Rectum    | 47.9            | 51.1  | 47.9          |

\*Rate per 100,000 population

†Rate per 100,000 females

^Rate per 100,000 males

22) Source: 2003-2007, Ohio Department of Health

The rate of unintentional injury hospitalization increases with age, with adults 75 years and older having the highest rate of hospitalization.

## Injury Hospitalizations

|                          |                                |                   | FRANKLIN COUNTY |
|--------------------------|--------------------------------|-------------------|-----------------|
| Injury Hospitalizations* | Unintentional Injuries (Adult) | 25-44 Years       | 165.2           |
|                          |                                | 45-64 Years       | 238.5           |
|                          |                                | 65-74 Years       | 408.6           |
|                          |                                | 75 Years and Over | 1,241.2         |
|                          | Intentional Injuries (Adult)   | 25-44 Years       | 63.7            |
|                          |                                | 45-64 Years       | 37.0            |
|                          |                                | 65-74 Years       | 8.3             |
|                          |                                | 75 Years and Over | 5.9             |

\*Rate per 100,000 population

20) Source: 2005-2007, Central Ohio Trauma System

## Trauma

Among trauma patients in 2010, the largest age group was 35-54 year-olds (nearly 24% of patients), the primary racial group was white (nearly 80% of patients), and males made up over 63% of patients.

Between 2007 and 2010, the number of trauma patients in Franklin County increased 12% from 9,784 patients to 11,025.

The age, race, and gender distributions among trauma patients remained fairly similar between 2007 and 2010.

### Trauma Patients by Demographics<sup>24</sup>

|                  |                              | FRANKLIN COUNTY HOSPITALS*<br>2007 | FRANKLIN COUNTY HOSPITALS*<br>2010 |        |
|------------------|------------------------------|------------------------------------|------------------------------------|--------|
| Trauma Patients* | <b>Total Trauma Patients</b> |                                    | 9,784                              | 11,025 |
|                  | <b>By Age†</b>               | 0-3                                | 4.6%                               | 5.0%   |
|                  |                              | 4-12                               | 8.5%                               | 7.8%   |
|                  |                              | 13-15                              | 3.7%                               | 3.1%   |
|                  |                              | 16-19                              | 7.1%                               | 6.1%   |
|                  |                              | 20-24                              | 8.8%                               | 8.7%   |
|                  |                              | 25-34                              | 13.6%                              | 12.6%  |
|                  |                              | 35-54                              | 24.4%                              | 23.7%  |
|                  |                              | 55-64                              | 8.9%                               | 10.3%  |
|                  |                              | 65-84                              | 14.4%                              | 15.7%  |
|                  |                              | 85+                                | 6.0%                               | 7.0%   |
|                  | Not Documented               | 0.0%                               | NA                                 |        |
|                  | <b>By Race†</b>              | White                              | 78.8%                              | 79.6%  |
|                  |                              | Black                              | 13.8%                              | 14.4%  |
|                  |                              | Asian                              | 1.5%                               | 1.7%   |
|                  |                              | Hispanic/Latino                    | 2.2%                               | 1.4%   |
|                  |                              | Other                              | 1.1%                               | 1.0%   |
|                  |                              | Not Documented                     | 2.6%                               | 1.9%   |
|                  | <b>By Gender†</b>            | Male                               | 63.1%                              | 63.3%  |
| Female           |                              | 36.9%                              | 36.7%                              |        |

\*Patients who were transferred in or out, admitted or died at Franklin County Hospitals, including patients living inside and outside Franklin County

†Percent of total trauma patients

NA = Not Available

24) Source: 2007 & 2010, Central Ohio Trauma System

Trauma Patients by Mechanism of Injury and Location<sup>24</sup>

|                   |                         | FRANKLIN COUNTY 2007         | FRANKLIN COUNTY 2010 |       |
|-------------------|-------------------------|------------------------------|----------------------|-------|
| Trauma Patients*  | By Mechanism of Injury† | Fall                         | 39.0%                | 41.5% |
|                   |                         | MVT, Occupant                | 20.4%                | 18.5% |
|                   |                         | Struck By                    | 9.7%                 | 11.2% |
|                   |                         | Firearm                      | 3.6%                 | 3.7%  |
|                   |                         | MVT, Motorcycle              | 4.0%                 | 3.4%  |
|                   |                         | Cut/Pierce                   | 3.3%                 | 3.2%  |
|                   |                         | MVT, Pedestrian              | 2.1%                 | 2.1%  |
|                   |                         | Fire/Flame                   | 1.6%                 | 1.9%  |
|                   |                         | Hot Object                   | 1.6%                 | 1.8%  |
|                   |                         | Natural, Environmental       | 1.1%                 | 1.1%  |
|                   |                         | Machinery                    | 1.1%                 | 0.7%  |
|                   |                         | MVT, Pedal                   | 0.6%                 | 0.5%  |
|                   |                         | Drown                        | 0.3%                 | 0.3%  |
|                   |                         | Suffocation                  | 0.3%                 | 0.3%  |
|                   |                         | Overexertion                 | 0.1%                 | 0.1%  |
|                   |                         | Poisoning                    | 0.1%                 | 0.1%  |
|                   |                         | Unspecified/Other            | 8.9%                 | 7.6%  |
|                   | By Location of Injury†  | Home                         | 31.8%                | 37.0% |
|                   |                         | Street & Highway             | 31.1%                | 28.9% |
|                   |                         | Public Building              | 7.4%                 | 5.0%  |
|                   |                         | Place for Recreation & Sport | 6.3%                 | 6.8%  |
|                   |                         | Residential Institution      | 5.9%                 | 6.1%  |
|                   |                         | Industrial Place             | 4.3%                 | 3.3%  |
|                   |                         | Farm                         | 0.4%                 | 0.5%  |
|                   |                         | Mine or Quarry               | 0.0%                 | 0.0%  |
| Unspecified/Other |                         | 12.9%                        | 12.4%                |       |

MVT = Motor Vehicle Traffic

\*Patients who were transferred in or out, admitted or died at Franklin County Hospitals, including patients living inside and outside Franklin County

†Percent of total trauma patients

24) Source: 2007 & 2010, Central Ohio Trauma System

## Death, Illness & Injury, continued

Between 2007 and 2010, the percent of trauma patients injured by a fall increased from 39.0% to 41.5%, while patients injured as an occupant in a motor vehicle traffic crash decreased from 20.4% to 18.5%.

Injuries caused by natural or environmental causes comprised approximately 1% of all trauma patients.

Most trauma patients are injured in their home, followed by the street and highway. The percent of patients with home injuries increased by approximately 16% between 2007 and 2010. Trauma patients that received their injuries in the street or on a highway decreased slightly from 31.1% in 2007 to 28.9% in 2010.

While the majority of trauma patients are discharged to their homes, the percentage of trauma patients being discharged to a nursing home increased from 12.2% in 2007 to 14.1% in 2010, and the percentage of patients discharged to jail increased from 1.7% to 2.5% in the same time period.

In 2010, most of the trauma patients in Franklin County were injured by a fall.

The majority of trauma patients are discharged to their homes.

### Trauma Patients by Discharge Location<sup>24</sup>

|                  |                        | FRANKLIN COUNTY 2007         | FRANKLIN COUNTY 2010 |       |
|------------------|------------------------|------------------------------|----------------------|-------|
| Trauma Patients* | By Discharge Location† | Home                         | 70.3%                | 67.2% |
|                  |                        | Nursing Home                 | 12.2%                | 14.1% |
|                  |                        | Transfer to Another Hospital | 5.1%                 | 5.5%  |
|                  |                        | Rehabilitation               | 3.6%                 | 3.4%  |
|                  |                        | Morgue                       | 3.3%                 | 2.7%  |
|                  |                        | Jail                         | 1.7%                 | 2.5%  |
|                  |                        | Home with Care               | 1.2%                 | 1.6%  |
|                  |                        | Against Medical Advice       | 0.6%                 | 0.5%  |
|                  |                        | Other/Not Documented         | 2.0%                 | 2.5%  |

\*Patients who were transferred in or out, admitted or died at Franklin County Hospitals, including patients living inside and outside Franklin County

†Percent of total trauma patients

24) Source: 2007 & 2010, Central Ohio Trauma System

The percent of total trauma patients requiring surgery increased from 37.6% in 2007 to 38.1% in 2010, and one quarter of those patients were between the ages of thirty-five and fifty-four.

The percentage of trauma patients ages sixty-five and over requiring surgery increased from 16.1% in 2007 to 17.2% in 2010, while the percentage of children ages three and younger requiring surgery increased by approximately 30% between 2007 and 2010.

Trauma Patients Requiring Surgery<sup>24</sup>

|                                   |   | FRANKLIN COUNTY 2007 | FRANKLIN COUNTY 2010 |       |
|-----------------------------------|---|----------------------|----------------------|-------|
| Trauma Patients Requiring Surgery | <b>Total</b>                            | 3,675                | 4,198                |       |
|                                   | <b>Percent of Total Trauma Patients</b> | 37.6%                | 38.1%                |       |
|                                   | <b>By Age†</b>                          | 0-3                  | 3.3%                 | 4.3%  |
|                                   |   | 4-12                 | 10.1%                | 9.6%  |
|                                   |   | 13-15                | 3.0%                 | 3.0%  |
|                                   |   | 16-19                | 7.3%                 | 6.0%  |
|                                   |   | 20-24                | 9.3%                 | 9.3%  |
|                                   |   | 25-34                | 14.5%                | 14.0% |
|                                   |   | 35-54                | 26.2%                | 25.0% |
|                                   |   | 55-64                | 10.0%                | 11.4% |
|                                   |   | 65-84                | 12.7%                | 13.6% |
| 85+                               |   | 3.4%                 | 3.6%                 |       |
| Not Documented                    | 0.1%                                    | 0.0%                 |                      |       |

\*Patients who were transferred in or out, admitted or died at Franklin County Hospitals, including patients living inside and outside Franklin County

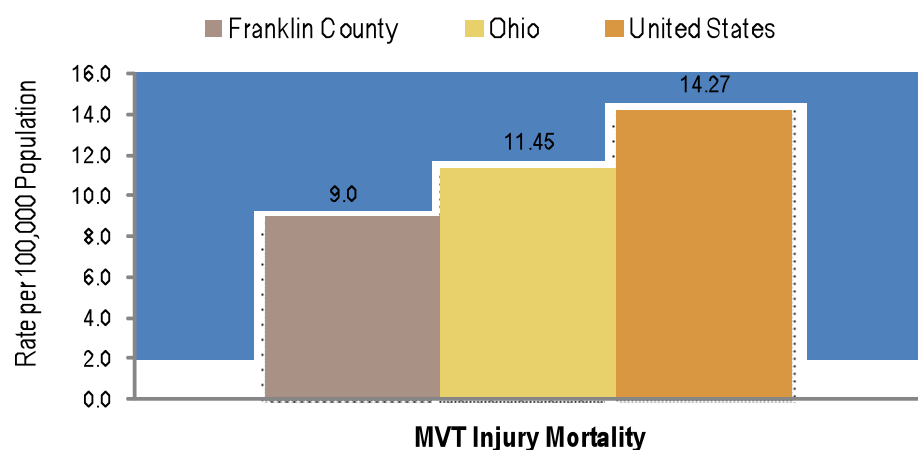
†Percent of total trauma patients requiring surgery

24) Source: 2007& 2010, Central Ohio Trauma System

## Select Injuries

The mortality rate from motor vehicle traffic (MVT) injuries in Franklin County is lower than that of Ohio and the U.S.

### Motor Vehicle Traffic Injury Mortality



Franklin County: 2005-2007, Central Ohio Trauma System  
Ohio & U.S.: 2005-2007, Centers for Disease Control and Prevention

### Motor Vehicle Traffic Injuries: Hospitalizations & Mortality Rates

|                                |                       | FRANKLIN COUNTY <sup>20</sup> | OHIO <sup>23</sup> | UNITED STATES <sup>23</sup> |
|--------------------------------|-----------------------|-------------------------------|--------------------|-----------------------------|
| Motor Vehicle Traffic Injuries | Hospitalization Rate* | 69.1                          | NA                 | NA                          |
|                                | Mortality Rate*       | 9.0                           | 11.45              | 14.27                       |

\*Rate per 100,000 population

<sup>20</sup>) Source: 2005-2007, Central Ohio Trauma System

<sup>23</sup>) Source: 2005-2007, Centers for Disease Control and Prevention

## Death, Illness & Injury, continued

Between 2007 and 2010 the number of work-related injury hospitalizations in Franklin County decreased from 422 people to 378.

Although the majority of patients hospitalized with work-related injuries are male, the percentage of women increased from 11.4% in 2007 to 14.0% in 2010.

### Work-Related Injury Hospitalizations<sup>24</sup>

|                                       |            | FRANKLIN COUNTY HOSPITALS |       |       |
|---------------------------------------|------------|---------------------------|-------|-------|
|                                       |            | 2007                      | 2010  |       |
| Work-Related Injury Hospitalizations* | Total      | 422                       | 378   |       |
|                                       | By Gender† | Male                      | 88.6% | 86.0% |
|                                       |            | Female                    | 11.4% | 14.0% |

\*Patients who were transferred in or out, admitted or died at Franklin County Hospitals, including patients living inside and outside Franklin County

†Percent of work-related injury hospitalizations

24) Source: 2007 & 2010, Central Ohio Trauma System

The number of hospitalizations for elderly patients (65 years and older) injured by a fall increased from 1,552 in 2007 to 1,964 in 2010.

### Patients Age 65 and over Hospitalized by Fall<sup>24</sup>

|  | FRANKLIN COUNTY HOSPITALS |       |
|--|---------------------------|-------|
|  | 2007                      | 2010  |
| Elderly Patients Hospitalized by Fall† | 1,552                     | 1,964 |

\*Patients who were transferred in or out, admitted or died at Franklin County Hospitals, including patients living inside and outside Franklin County

†Rate per 1,000 population 65 years and over

24) Source: 2007 & 2010, Central Ohio Trauma System



# Infectious Disease

This section describes diseases caused by organisms, such as viruses and bacteria that enter and grow in the body, that affect the residents of Franklin County.

Sexually transmitted infections represent the highest rates of infectious disease in Franklin County.

There are 3,375 people living with a diagnosis of HIV/AIDS in Franklin County; this represents a rate of approximately 294 people per 100,000.

The incidence rate of chlamydia in Franklin County is 725.8 cases per 100,000 people, which is 63% higher than the rate in Ohio, where there are 445.7 cases per 100,000 people.

Franklin County has a higher incidence of gonorrhea than Ohio, approximately 279 cases compared to 144 cases per 100,000 people. There have been no known cases of rubella, diphtheria, or polio reported in the past five years.

## Infectious Disease Incidence & Prevalence of AIDS/HIV

|   |  | FRANKLIN COUNTY |       | OHIO   |       |
|---|--|-----------------|-------|--------|-------|
|   |  | Cases           | Rate* | Cases  | Rate* |
| Incidence of Select Infectious Diseases | Chlamydia <sup>25</sup>                                    | 8,195           | 725.8 | 51,194 | 445.7 |
|   | Gonorrhea <sup>25</sup>                                    | 3,155           | 279.4 | 16,522 | 143.8 |
|   | Pertussis <sup>16</sup>                                    | 211             | 19.7  | 1,100  | 9.5   |
|   | Syphilis (primary and secondary) <sup>25</sup>             | 109             | 9.7   | 525    | 4.6   |
|   | Tuberculosis <sup>25</sup>                                 | 66              | 5.7   | 190    | 1.6   |
|   | Hepatitis A <sup>16</sup>                                  | 7               | 0.7   | 34     | 0.3   |
|   | Meningococcal Disease <sup>16</sup>                        | 4               | 0.4   | 42     | 0.4   |
|   | Measles <sup>16</sup>                                      | 0               | 0.0   | 1      | 0.0   |
|   | Mumps <sup>16</sup>  | 0               | 0.0   | 6      | 0.1   |
|   | Tetanus <sup>16</sup>                                      | 0               | 0.0   | 2      | 0.0   |
|   | Rubella <sup>16</sup>                                      | 0               | 0.0   | 0      | 0.0   |
|   | Diphtheria <sup>16</sup>                                   | 0               | 0.0   | 0      | 0.0   |
|   | Polio <sup>16</sup>  | 0               | 0.0   | 0      | 0.0   |
| <b>Prevalence of HIV/AIDS</b>           | Persons living with HIV infection diagnosis <sup>16a</sup> | 3,375           | 293.4 | 16,405 | 142.1 |

\*Rate per 100,000 population

†No known cases during at least the past five years

25) Source: 2010, Ohio Department of Health

16) Source: 2009, Ohio Department of Health

16a) Source: Ohio Department of Health HIV/AIDS Surveillance Program. Data reported through December 31, 2010.

### Hospital-Acquired Infections<sup>26</sup>

|   |         | FRANKLIN COUNTY |       | OHIO  |       |
|---|---------|-----------------|-------|-------|-------|
|   |         | Cases           | Rate* | Cases | Rate* |
| Incidence of Hospital Acquired Infections | C. diff | 422             | 4.4   | 3,568 | 5.4   |
|   | MRSA    | 108             | 1.1   | 550   | 0.8   |
|   | MSSA    | 67              | 0.7   | 394   | 0.6   |

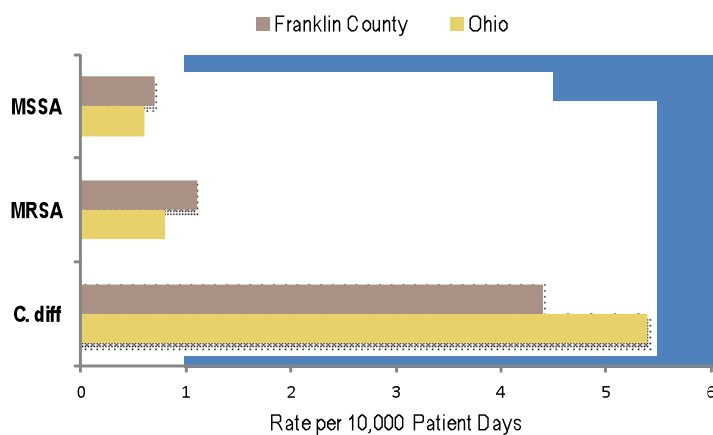
\*Rate per 10,000 patient days

26) Source: July 1, 2009-June 30, 2010, Ohio Department of Health

Among all patients seen in Ohio hospitals, the incidence rates for Methicillin-Sensitive *Staphylococcus aureus* (MSSA) and Methicillin-Resistant *Staphylococcus aureus* (MRSA) infections are slightly higher in Franklin County than in Ohio.

In Franklin County, the incidence rate for *Clostridium difficile* (C. diff) is 4.4 infections per 10,000 patient days, compared to 5.4 infections in Ohio.

### Incidence of Hospital Acquired Infections



July 1, 2009-June 30, 2010, Ohio Department of Health

In Franklin County there were 108 reported cases of hospital acquired MRSA, which represents a slightly higher incidence rate than for Ohio.

More adults 65 and older receive a pneumonia vaccine than an influenza vaccine.

The percentage of adults in Franklin County aged 65 years and over receiving pneumonia and influenza vaccines is higher than the percentage of adults in both Ohio and the U.S.

### Vaccination Rates for Pneumonia and Influenza<sup>13</sup>

| Vaccines*         |  | FRANKLIN COUNTY   | OHIO  | UNITED STATES |
|-------------------|--|-------------------|-------|---------------|
|                   |  | Pneumonia Vaccine | 74.4% | 68.5%         |
| Influenza Vaccine |  | 69.3%             | 64.8% | 67.5%         |

\*Percent of adults 65 years and over surveyed

13) Source: 2010, Behavioral Risk Factor Surveillance System, Centers for Disease Control and Prevention

# Youth Issues

This section describes issues of concern for Franklin County's youth.

Among children under the age of eighteen in Franklin County, 4.7% have unmet dental health care needs and 16.9% have no dental coverage. In comparison, 4.5% of children in Ohio have unmet dental health care needs, while 18.3% do not have dental coverage.

16.5% of children in Franklin County under the age of 18 have been diagnosed with asthma, which is higher than the percentage of children in Ohio (15.4%) and the U.S. (14.0%).

## Asthma, Body Mass Index, and Dental Care in Youth

|  |                                     | FRANKLIN COUNTY    | OHIO               | UNITED STATES      |
|--|-------------------------------------|--------------------|--------------------|--------------------|
| <b>Asthma</b> <sup>5</sup>                 | Youth Diagnosed with Asthma         | 16.5%              | 15.4%              | 14.0%              |
| <b>Body Mass Index (BMI)</b> <sup>27</sup> | Overweight/Obese (≥85th percentile) | 31.2% <sup>†</sup> | 34.7% <sup>†</sup> | 35.5% <sup>^</sup> |
|  | Overweight(85th-<95th percentile)   | NA                 | 16.3% <sup>†</sup> | NA                 |
|  | Obese (≥95th percentile)            | NA                 | 18.3% <sup>†</sup> | 19.6% <sup>^</sup> |
|  | Obese Level 2 (≥97th percentile)    | NA                 | 12.5% <sup>†</sup> | NA                 |
| <b>Dental Care</b> <sup>5</sup>            | Unmet Dental Health Care Needs      | 4.7%               | 4.5%               | NA                 |
|  | No Dental Coverage                  | 16.9%              | 18.3%              | NA                 |

\*Percent of children under age 18 ever diagnosed with asthma

†Percent of 3<sup>rd</sup> graders

<sup>^</sup>Percent of children ages 6-11 years

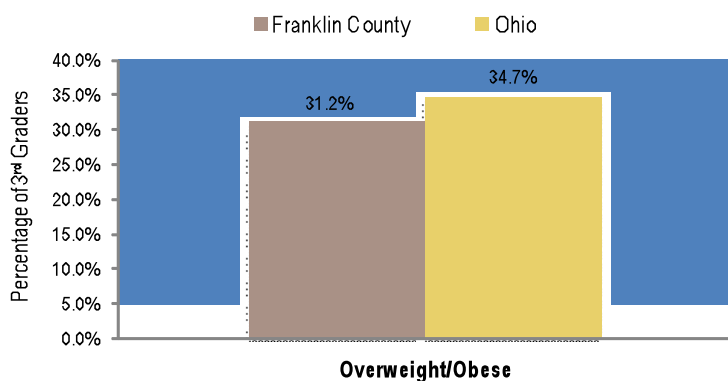
<sup>§</sup>Percent of children under age 18, excluding 1 year olds.

NA = Not Available

5) Source: 2008, Ohio Family Health Survey

27) Source: 2009-2010, Ohio Department of Health (National data reflects 2007-2008)

## Body Mass Index



2009-2010, Ohio Department of Health

Nearly one-third of Franklin County third graders are overweight or obese.

The youth mortality rate in Franklin County is nearly 17 deaths per 100,000 children between the ages of 1 and 14, compared to 19 deaths per 100,000 children in Ohio.

In Franklin County, the accident or unintentional injury mortality rate among children between the ages of one and fourteen is 4.9 deaths per 100,000 children, which is lower than the mortality rate in Ohio (5.6 deaths per 100,000 children).

The youth mortality rate caused by cancer is slightly higher in Franklin County than in Ohio, with rates of 2.7 and 2.3 respectively.

The leading causes of death among children between the ages of 1 and 14 are accidents or unintentional injuries, followed by cancer.

There were 10 instances of youth homicide in Franklin County, representing a rate similar to that in Ohio. Two of Ohio's 35 youth suicides between 2006 and 2008 were residents of Franklin County.

### Youth Mortality Rates<sup>19</sup>

|                 |  | FRANKLIN COUNTY |       | OHIO   |       |
|-----------------|--|-----------------|-------|--------|-------|
|                 |  | Deaths          | Rate* | Deaths | Rate* |
| Youth Mortality | Total Deaths   | 113             | 16.9  | 1,194  | 18.9  |
|                 | <i>Top Four Causes of Death</i>                                    |                 |       |        |       |
|                 | Accidents, Unintentional Injuries                                  | 33              | 4.9   | 353    | 5.6   |
|                 | Malignant Neoplasms (Cancer)                                       | 18              | 2.7   | 146    | 2.3   |
|                 | Congenital Malformations, Deformations & Chromosomal Abnormalities | 11              | 1.6   | 111    | 1.8   |
|                 | Homicide   | 10              | 1.5   | 104    | 1.6   |

\*Rate per 100,000 population ages 1-14

19) Source: 2006-2008, Ohio Vital Statistics, Analysis by Columbus Public Health

Bullying Behaviors by Victim & Perpetrator<sup>28</sup>

|  |  | FRANKLIN COUNTY   |     |
|--|--|---|-----|
| <b>Bullying Behaviors*</b>                     | <b>During the past year, at least once....</b> |   |     |
|  | <b>Victim</b>                                  | Another student spread lies or rumors about student   | 56% |
|  |  | Student was verbally bullied  | 38% |
|  |  | Student had been called names, disrespected, physically threatened, or made to feel afraid online | 26% |
|  |  | Student feared for their physical safety  | 16% |
|  |  | Student was physically bullied  | 11% |
|  |  | Someone had taken money or things directly from the student using force, a weapon, or threats     | 7%  |
|  | <b>Perpetrator</b>                             | Student told lies or spread false rumors about someone  | 40% |
|  |  | Student left someone out of a group or activity to hurt that person                               | 28% |
| Student had bullied someone to intimidate them |  | 19%   |     |

\*Among students in grade 10 in Franklin County.

28) Source: 2009, Primary Prevention Awareness, Attitude, and Use Survey, Educational Council

Over half of 10<sup>th</sup> grade students in Franklin County admitted that in the past year another student had spread lies or rumors about them at least once. Forty percent of 10<sup>th</sup> grade students admitted that they had told lies or spread false rumors about someone else at least once in the past year.

Among students who heard another student being called mean or hurtful names, 45% asked the person to stop or did nothing, while 20% decided to laugh. Only 9% reported it to an adult. 43% of students who saw another student being physically bullied asked the person to stop and 28% reported it to an adult. When the student knew someone who was spreading rumors or gossip, 31% asked the person to stop, 42% did nothing and 36% listened to the gossip.

Students are more likely to ask a fellow student to stop calling another student names or to stop physically bullying another student, than ask to stop spreading rumors or gossip about another student.

**Bullying Behaviors by Bystanders<sup>28</sup>**

|                                       |                  | FRANKLIN COUNTY  |     |
|---------------------------------------|------------------|--|-----|
| <b>Bullying Behaviors<sup>†</sup></b> | <b>Bystander</b> | <b>Student heard another student being called mean or hurtful names...</b> |     |
|                                       |                  | Asked Person to Stop   | 45% |
|                                       |                  | Reported It to an Adult  | 9%  |
|                                       |                  | Were Unsure What to Do   | 6%  |
|                                       |                  | Did Nothing  | 45% |
|                                       |                  | Laughed  | 20% |
|                                       |                  | Joined In  | 5%  |
|                                       |                  | <b>Student saw another student being physically bullied...</b>             |     |
|                                       |                  | Asked Person to Stop   | 43% |
|                                       |                  | Reported It to an Adult  | 28% |
|                                       |                  | Were Unsure What to Do   | 20% |
|                                       |                  | Did Nothing  | 27% |
|                                       |                  | Watched  | 23% |
|                                       |                  | Joined In  | 2%  |
|                                       |                  | <b>Student knew someone who was spreading rumors or gossip...</b>          |     |
|                                       |                  | Asked Person to Stop   | 31% |
|                                       |                  | Reported It to an Adult  | 8%  |
|                                       |                  | Were Unsure What to Do   | 16% |
|                                       |                  | Did Nothing  | 42% |
|                                       |                  | Listened   | 36% |
| Joined In                             | 6%               |  |     |

<sup>\*</sup>Among students in grades 8, 10, and 12

<sup>†</sup>Students may have selected more than one answer

28) Source: 2009, Primary Prevention Awareness, Attitude, and Use Survey, Educational Council

Tobacco Use Among Youth<sup>28</sup>

|              |                        |                             | FRANKLIN COUNTY |
|--------------|------------------------|-----------------------------|-----------------|
| Tobacco Use* | Cigarettes             | Smoke at least once a month | 10%             |
|              |                        | Smoke at least once a week  | 7%              |
|              |                        | Smoke daily                 | 5%              |
|              |                        | Have never smoked           | 67%             |
|              | Chewing Tobacco        | Regular use†                | 33%             |
|              |                        | Have never used             | 93%             |
|              | Other Tobacco Products | Regular use†                | 7%              |
|              |                        | Daily use                   | 1%              |
|              |                        | Have never used             | 86%             |

\*Among students in grades 8, 10, and 12

†Regular use refers to monthly or more often

28) 2009, Primary Prevention Awareness, Attitude, and Use Survey, Educational Council

67% of students have never smoked, while 5% smoke daily; and 33% use chewing tobacco regularly.

Of the 27% of students that had been drunk in the past year, 9% had been drunk 10 or more times.

Alcohol Use Among Youth<sup>28</sup>

|              |  |                           | FRANKLIN COUNTY |
|--------------|--|---------------------------|-----------------|
| Alcohol Use* | Student Drank Alcohol  | At least once a month     | 20%             |
|              |  | Once a week or more often | 7%              |
|              | Student Got Drunk in the Past Year   | At least once             | 27%             |
|              |  | Had not been drunk        | 73%             |
|              | Student Drank Five or More Drinks in a Row in the Past 30 Days (Binge Drinking)† | One day                   | 6%              |
|              |  | Two days                  | 4%              |
|              |  | Three to five days        | 4%              |
|              |  | Six to nineteen days      | 4%              |
|              |  | Twenty or more days       | 2%              |
|              |  | No days                   | 81%             |

\*Among students in grades 8, 10, and 12

28) 2009, Primary Prevention Awareness, Attitude, and Use Survey, Educational Council

When it comes to substance abuse, 1% of students report regular use of “designer” drugs (such as ecstasy) and over-the-counter drugs. A slightly higher percentage of students (2%) report regular use of prescription drugs.

While 74% of students have never smoked marijuana, 13% smoke regularly and 8% smoke at least once a week.

### Substance Abuse Among Youth<sup>28</sup>

|                  |                  |                            | FRANKLIN COUNTY |
|------------------|------------------|----------------------------|-----------------|
| Substance Abuse* | Marijuana        | Regular use†               | 13%             |
|                  |                  | Smoke at least once a week | 8%              |
|                  |                  | Have never smoked          | 74%             |
|                  | "Designer" Drugs | Regular use†               | 1%              |
|                  |                  | Have never used            | 97%             |
|                  | Prescriptions    | Regular use†               | 2%              |
|                  |                  | Have never used            | 94%             |
|                  | OTCs             | Regular use†               | 1%              |
|                  |                  | Have never used            | 95%             |

\*Among students in grades 8, 10, and 12

†Regular use refers to monthly or more often

28) Source: 2009, Primary Prevention Awareness, Attitude, and Use Survey, Educational Council



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