

Grady Memorial Hospital
Community Health Needs Assessment
April 2013



OhioHealth Grady Memorial Hospital

Grady Memorial Hospital provides the Delaware community with comprehensive quality healthcare delivered with compassionate, personal care. Our full range of services and programs meet the needs of one of the nation's most rapidly growing counties.

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Bruce Hagen
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Overview

OhioHealth is pleased to provide the residents of Delaware County, Ohio, with a comprehensive summary of the community's health status and needs. This community health profile is intended to help the community, Ohio Health's Grady Memorial Hospital and other organizations better understand the health needs and priorities of Delaware County residents.

The work to conduct a Delaware County needs assessment was first initiated by OhioHealth to fulfill a requirement in the federal Patient Protection and Affordable Care Act, enacted in March 2010, requiring tax-exempt hospitals to conduct community health needs assessments (CHNA) and then to implement strategies that address the findings. There is already a coordinated effort in the county to assess and prioritize health needs and then collaboratively address them on an ongoing basis. The Partnership for a Healthy Delaware County is led by the Delaware General Health District and is comprised of a broad base of community stakeholders and citizens. This document, *Delaware County Community Health Needs Assessment (CHNA)*, is intended to complement the work already underway and further contribute to that existing and ongoing effort.

The Delaware County CHNA presents existing data from a variety of sources. OhioHealth will begin using the data, in collaboration with other organizations, to develop and implement a strategic plan to meet the community health needs identified through the assessment and through conversations with key stakeholders. This report will be updated every three years, consistent with federal requirements. It is our hope that this assessment provides a window into the community's health status and needs, and contributes to targeting limited resources and strengthening relationships that can help keep the community healthy. Comments and feedback from our stakeholders and community members are invited as we work to improve the information in this document when preparing updates in the future.

About OhioHealth's Grady Memorial Hospital

As the center of healthcare in Delaware County, OhioHealth's Grady Memorial Hospital is known for providing compassionate, quality care in a community hospital setting. Located in one of the fastest-growing counties in the United States (U.S.), Grady Memorial has grown to meet the needs of its growing community in terms of services, technology, equipment, and most importantly, highly trained healthcare professionals.

Grady Memorial Hospital is an Accredited Chest Pain Center, was recently recognized as a Top Performer by The Joint Commission, and has more than 200 physicians on staff in more than 30 specialty areas. In addition to traditional healthcare services like maternity, heart services (including a

low-risk cardiac catheterization laboratory), cancer services, orthopedics, emergency care, surgery and inpatient medical care, Grady Memorial Hospital offers a wide range of outpatient services including surgery, laboratory testing, X-ray and diagnostics testing, and occupational and physical therapy, along with a variety of educational and wellness programs offered through the Grady Life Center. Our emergency department provides state-of-the-art emergency care, boasting exceptional patient satisfaction with wait times that are typically less than the national average, complete with a roof-top heliport, providing easy access to air transportation when necessary.

As a member of OhioHealth, Ohio's largest not-for-profit healthcare system, Grady Memorial also has access to a broader range of healthcare services in our area, including occupational health, hospice and home healthcare, enhanced development for new programs and services, and provides a complete continuum of care for patients. Our partnership allows us to work in tandem with other OhioHealth facilities like the Delaware Medical Campus and the Westerville Medical Campus to provide physician expertise, services and programs to all Delaware County residents. Grady Memorial Hospital and the OhioHealth health system are committed to partnering with the communities we serve and to providing quality medical care for the best health of our patients.

Community Served by Grady Memorial Hospital

OhioHealth has affiliate hospitals located in four Ohio counties and service areas that extend beyond those boundaries; for the purposes of this report, the community is defined as Delaware County.

How to read this report

For ease in reading, interpreting, and comparing reports from other OhioHealth service areas, this document has been formatted based on similar work in Franklin County, Ohio. It is organized into several distinct sections, which are listed and briefly described in the Table of Contents. A combination of national, state, regional, and local secondary data (obtained from other sources) was used; data are presented in the same way and with the same specificity as they 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. 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 were not available at the time of the report and are not presented, and in other cases, requested data were not available for Delaware County (such instances are indicated by 'NA'). Wherever possible, the most current data from existing sources have been reported. Finally, where data for more than one year have been combined, this is noted within the source. Given the current economic and

Overview

healthcare 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.

Process

This assessment came following a similar work coordinated by the Central Ohio Hospital Council (COHC) on behalf of the four hospital systems in Franklin County, Ohio. To initiate the Franklin County community health needs assessment, the COHC, of which OhioHealth is a member, convened a group of central Ohio stakeholders to develop a plan for conducting the assessment and reporting the results. In a series of meetings and retreats, this steering committee considered over 200 health indicators based on the relevance of the issue to the area, availability of comparable state and national level data, and reliability and continued availability of data sources in the future to support ongoing collection, measurement and determination of trends.

Because Delaware County is contiguous to Franklin County, is served by OhioHealth's Grady Memorial Hospital — and because the resulting indicator list can provide a foundational snapshot of the county's health — the same list of indicators was selected as a starting point for inclusion in this report. For some of the identified indicators, data were not available for Delaware County. All available data were compiled into an electronic database, and comparable data for Ohio and the U.S. 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. Regional data, such as that from the Central Ohio Trauma System (COTS), were also used, as were data from local sources, such as the Community Shelter Board. 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.

Following the compilation of the secondary data into a draft report, OhioHealth's Grady Memorial Hospital and the Delaware General Health District (DGHD) jointly convened 21 stakeholders. This meeting held on September 28, 2012 had two purposes: 1) to kick off a new comprehensive community health planning process coordinated by DGHD, and 2) to analyze and prioritize health needs at this point in time. Invited participants included the existing Partnership for a Healthy Delaware County members, as well as several new partners. Stakeholders considered the secondary data presented in this report, priorities selected during the previous county-wide assessment and plans, and their own professional experiences and personal knowledge of the community to identify health

needs. A summary of the work accomplished at this meeting follows the secondary data presentation in this report, and will serve as the foundation of OhioHealth's health priority strategies. It is important to note that Grady Memorial Hospital will remain an active partner in the assessment process initiated at this joint stakeholder meeting, and in the subsequent planning and implementation phases, so that efforts are coordinated, non-duplicative, and complementary.

Stakeholders

During the writing of this report from January 2012 to March 2013, OhioHealth and the Center for Public Health Practice consulted with stakeholders representing various entities that serve Delaware County. These stakeholders provided data access and/or clarification, briefings related to ongoing assessment efforts and future plans, and priorities for older adults in Delaware County. Stakeholders who participated in the in-person meeting to identify and prioritize needs include:

Delaware General Health District

Rosemary Chaudry, PhD, RN, MHA, MPH: *Assessment and Surveillance Coordinator*

Public Health Background and Experience:

- a. Over 10 years public health nursing experience; retired associate clinical professor at The Ohio State University College of Nursing
- b. Medicaid managed care program evaluation
- c. Research on public health infrastructure and performance improvement, community health and environmental health assessment, public health nursing workforce development, and health outcomes and community-based services for vulnerable populations

Nancy Shapiro, MA, RN; *Assistant Health Commissioner, Director of Assessment, Planning and Education*

Public Health Background and Experience:

- a. Member of the Delaware CHNA Committee.
- b. Assistant Health Commissioner for the Delaware General Health District and adjunct faculty member at the College of Nursing, The Ohio State University
- c. Former president of the Ohio Public Health Association
- d. An affiliate representative to the governing council for the American Public Health Association, Secretary to the Council of Affiliates of the American Public Health Association, a member of Great Lakes Public Health Coalition, and also currently serves as the Ohio Public Health Association representative to the Ohio Legislative Public Health Futures Committee

Delaware County Regional Planning Commission

Scott B. Sanders, AICP: *Executive Director*

Public Health Background and Experience:

- Participated in committees on health issues coordinated by the Delaware General Health District
- Expertise in planning and development of sites with consideration on economic, ecological and community benefits

Delaware County Township Association

Sandra Stults: *Dental Hygienist; Elected Official*

Public Health Background and Experience:

- Cardiopulmonary resuscitation (CPR) instructor with the American Red Cross
- Involved with community initiatives on lyme disease

Delaware Morrow Mental Health and Recovery Services Board

Steve Hedge: *Executive Director*

Public Health Background and Experience:

- Expert in the field of mental health treatment and recovery process
- Over 10 years of experience in public health administration, managing public health funds and compliance to local, state and federal regulations

Educational Service Center of Central Ohio

Marie C. Ward, PhD: *Assistant Superintendent of Client Services*

Public Health Background and Experience:

- Works with at-risk youth and low-income children with autism
- Involved with facilitating direct instruction and professional development to school districts to improve education of students, especially those with special needs

Orange Township Fire Department

Tom S. Stewart: *Chief*

Public Health Background and Experience:

- Emergency preparedness
- Emergency response and provision of safety

Ohio Department of Health

Michele Shough: *Staff of Division of Prevention and Health Promotion*

Public Health Background and Experience:

- Health promotion and obesity prevention
- Tobacco cessation
- Improve physical activity and nutrition

OhioHealth Grady Memorial Hospital

William Verhoff, MBA, BSN, RN

Public Health Background and Experience:

- Over 10 years of community health nursing experience
- Over 10 years of active linkages with community organizations in Delaware County

Ohio Wesleyan University

Chris Fink, PhD: *Assistant Professor and Chair, Department of Health and Human Kinetics*

Public Health Background and Experience:

- Teaches health program planning, qualitative research in health, personal health, sports nutrition and motor learning
- Pursues research and scholarship in physical activity and nutrition behavior change

People in Need

Kevin James Crowley: *Executive Director*

Public Health Background and Experience:

- Leads and manages staff and programs at People In Need, Inc., a nonprofit social services agency that provides emergency assistance to Delaware County residents
- Provides strategic and financial planning
- Fosters partnerships with various non-governmental organizations and businesses

United Way of Delaware County

Brandon Feller: *President*

Public Health Background and Experience:

- a. President of United Way of Delaware County since 2009
- b. Served as government relations officer and chapter executive director for the American Red Cross
- c. President-elect of the Delaware Rotary Club
- d. Member of the Delaware City Schools Education Council
- e. Member of the ACHIEVE Committee of the Delaware General Health District

Barb Lyon: *Vice President*

Public Health Background and Experience:

- a. Knowledge and experience in health promotion
- b. Experience in trauma services in central Ohio

Community Residents

Jack Hilborn

Public Health Background and Experience:

- a. Involved with Kiwanis, Oak Grove Cemetery Board, Delaware County Historical Society Board and Delaware Chamber of Commerce
- b. Involved with Grady Memorial Hospital Board

Ruth Schrock

Public Health Background and Experience:

- a. Obesity initiatives in community settings
- b. Participation community health needs assessment

Deb Lipscomb

Public Health Background and Experience:

- a. Directed a nonprofit educational program at Ohio Wesleyan University
- b. Served low-income minority groups

Larry Cline

Public Health Background and Experience:

- a. Involved in various community initiatives in Delaware County
- b. Involved in various committees of the Delaware General Health District

Contractors

OhioHealth contracted with the Center for Public Health Practice (Center), within The Ohio State University College of Public Health, to create a summary report of the selected health status indicators using existing data and resources. The Center also facilitated the stakeholder meeting and provided a summary report.

The Center's mission is to integrate the work of practitioners and academicians to improve the health of people, and it is home to several federal and state-funded initiatives that provide organizational development services and training for public health and healthcare workforces, and to their broader community partners. The Center is located within a major academic institution with a nationally recognized medical facility and has access to a variety of resources locally, regionally and nationally. Past projects serving community health interests have included: local and state public health systems assessments; community health assessment and strategic planning consultation; engagement with the public to inform health policy choices; and facilitation of health program-prioritization processes. Professionals within the Center have specializations in public health, education and organization development; have extensive experience in project management, process design and facilitation; and have formal training in community health-assessment processes. The Center is known throughout the public health system in Ohio as a provider of high-quality products and services.

Bricker & Eckler LLP/Quality Management Consulting Group located at 100 South Third Street, Columbus, Ohio 43215, was engaged to review this community health needs assessment report.

Jim Flynn is a partner with the Bricker & Eckler Health Care group where he has practiced for 21 years. His general health care practice focuses on health planning matters, certificate of need, non-profit and tax-exempt health care providers, and federal and state regulatory issues. Mr. Flynn has provided consultation to health care providers, including non-profit and tax-exempt health care providers and public hospitals on community health needs assessments. Chris Kenney is the Director of Regulatory Services with the Quality Management Consulting Group of Bricker & Eckler LLP. Ms. Kenney has over 30 years of experience in health care planning and policy development, federal and state regulations, certificate of need regulations and Medicare and Medicaid certification. She provides expert testimony on community need and offers presentations and educational sessions regarding community health needs assessments.

Community Profile

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

The total population of Delaware County is 174,214. Nearly 60 percent of the population is between 20 and 64 years old; 9.5 percent is 65 years or older, which is slightly lower than the percentages for Ohio (14.1 percent) and the U.S. (13.1 percent). The majority race is Caucasian (91.4 percent); 4.1 percent of the residents are African American and 5.0 percent are Asian. The population is 49.3 percent female and 50.7 percent male.

The majority (78 percent) of households in Delaware County are family households, meaning one or more other people — related to the householder by birth, marriage, or adoption — lives in the home with the householder. The average household size is 2.74 people and the average family size is 3.16 people. Of all households in Delaware County, 1.6 percent do not have a vehicle, compared to 8.2 percent in Ohio and 9.1 percent in the U.S.

English is the primary language; 7.6 percent of the population speaks a language other than English at home. Of the population in Delaware County, 66.0 percent is married, which is higher than state and national percentages; 8.0 percent of the population is divorced and 21.4 percent has never been married — both lower than Ohio and the U.S.

Of the Delaware County residents 33.3 percent possess a bachelor's degree, compared to 15.7 percent and 17.7 percent in the state and nation, respectively. Graduate or professional degrees are held by

16.7 percent of residents, compared to 8.9 percent in Ohio and 10.4 percent in the U.S., respectively.

Of the Delaware County population 16 years and older, 70.7 percent is employed in the civilian labor force, while 4.8 percent is unemployed. Of the employed population, 52.5 percent are in management, business, science and arts occupations. The top employment industries in Delaware County include educational services; healthcare and social assistance; professional, scientific, and management; and administrative and waste management services. The industries that employ the smallest percentage of the population include agriculture, forestry, fishing and hunting, and mining.

The per capita, median, and mean Delaware County incomes are \$38,683, \$85,146, and \$106,994, respectively. These incomes are considerably higher than those in Ohio and the U.S. Of all families in Delaware County, 5.3 percent are below the poverty level, which represents about one-half of comparable poverty levels for Ohio and the U.S. Of unrelated individuals 15 years and older in Delaware County, 17.1 percent are below the poverty level, which compares to 27 percent and 26.2 percent in Ohio and the U.S., respectively.

Among residents in Delaware County, the majority (88.7 percent) has private insurance; 4.7 percent have no health insurance. Of children 18 years old and younger, 1.5 percent lack health insurance, which is both lower than state and national percentages.

Among adults aged 65 years and older, 27.1 percent have a disability. Civilian veterans account for 7.2 percent of the population, which is lower than the state and national percentages.

Community profile tables

Table 1.1

		DELAWARE COUNTY	OHIO	UNITED STATES
	Total Population	174,214	11,536,504	308,745,538
Age	Under 5 years	7.5%	6.2%	6.5%
	5–19 years	23.8%	20.3%	20.4%
	20–64 years	59.2%	59.3%	60.0%
	65 years and older	9.5%	14.1%	13.1%
Race*	Caucasian	91.4%	84.5%	74.8%
	African American	4.1%	13.4%	13.6%
	Native American /Native Alaskan	0.6%	0.8%	1.7%
	Asian	5.0%	2.1%	5.6%
	Native Hawaiian/other Pacific Islander	0.1%	0.1%	0.4%
	Other	0.8%	1.4%	7.0%
	Hispanic or Latino (of any race)	2.1%	3.1%	16.3%
Gender	Male	49.3%	48.8%	49.2%
	Female	50.7%	51.2%	50.8%

*Race alone or in combination with one or more other races — “In combination with one or more of the other races listed.

The six [percentages] add to more than 100 percent because individuals may report more than one race.”

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

Community Profile

Table 1.2

		DELAWARE COUNTY	OHIO	UNITED STATES
Household size ¹	Average household size	2.74	2.44	2.58
	Average family size	3.16	3.01	3.14
Household type ¹	Total households	62,760	4,603,435	116,716,292
	Family households	77.9%	65.0%	66.4%
	Nonfamily households	22.1%	35.0%	33.6%
Households without a vehicle ¹	No vehicle available	1.6%	8.2%	9.1%
Grandparents as caregivers ²	Grandparents who are living with and are responsible for their own grandchildren under 18 years old	35.0%	46.5%	40.9%
Language spoken at home ¹	English only	92.4%	93.3%	79.4%
	Speak a language other than English at home	7.6%	6.7%	20.6%
Marital status ²	Never married	21.4%	29.5%	30.8%
	Now married	66.0%	50.3%	50.3%
	Separated	1.0%	1.8%	2.2%
	Widowed	3.6%	6.8%	6.3%
	Divorced	8.0%	11.6%	10.4%

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

2) Source: 2005–2009, American Community Survey, U.S. Census Bureau

Table 1.3

		DELAWARE COUNTY	OHIO	UNITED STATES
Education level*	Less than 9th grade	1.6%	3.3%	6.1%
	9th to 12th grade, no diploma	2.7%	8.6%	8.3%
	High school graduate (includes equivalency)	18.7%	35.2%	28.5%
	Some college (no degree)	19.0%	20.5%	21.3%
	Associate's degree	8.1%	7.8%	7.6%
	Bachelor's degree	33.3%	15.7%	17.7%
	Graduate or professional degree	16.7%	8.9%	10.4%

*Population 25 years and older

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

Table 1.4

		DELAWARE COUNTY	OHIO	UNITED STATES
Employment status*	Not in labor force	29.3%	35.9%	35.6%
	In labor force	70.7%	64.1%	64.4%
	(1) Civilian labor force	70.7%	64.0%	63.9%
	(a) Employed	65.9%	56.7%	57.0%
	(b) Unemployed	4.8%	7.3%	6.9%
	(2) Armed Forces	0.0%	0.1%	0.4%

*Population 16 years and older

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

Table 1.5

		DELAWARE COUNTY	OHIO	UNITED STATES
Employment occupations	Management, business, science and arts	52.5%	34.0%	35.9%
	Service	11.7%	18.1%	18.0%
	Sales and office	23.5%	25.0%	25.0%
	Natural resources, construction and maintenance	5.7%	7.6%	9.1%
	Production, transportation and material moving	6.6%	15.2%	11.9%
Employment industry	Agriculture, forestry, fishing and hunting, and mining	0.9%	0.9%	1.9%
	Construction	3.9%	5.1%	6.2%
	Manufacturing	9.2%	15.0%	10.4%
	Wholesale trade	3.3%	2.8%	2.8%
	Retail trade	10.7%	12.0%	11.7%
	Transportation and warehousing and utilities	3.6%	4.8%	4.9%
	Information	2.8%	1.8%	2.2%
	Finance and insurance, real estate, and rental and leasing	11.8%	6.4%	6.7%
	Professional, scientific, and management; administrative; and waste management services	12.9%	8.9%	10.6%
	Educational services, and healthcare and social assistance	25.6%	24.7%	23.2%
	Arts, entertainment, and recreation, and accommodation and food services	6.6%	8.7%	9.2%
	Other services, except public administration	3.8%	4.6%	5.0%
	Public administration	4.8%	4.2%	5.2%

*Civilian employed population 16 years and older

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

Community Profile

Table 1.6

		DELAWARE COUNTY	OHIO	UNITED STATES
Income ¹	Per capita income*	\$38,683	\$23,975	\$26,059
	Median household income*	\$85,146	\$45,090	\$50,046
	Mean household income*	\$106,994	\$59,654	\$68,259
Poverty status ¹	All families below the poverty level [^]	5.3%	11.8%	11.3%
	Unrelated individuals 15 years and older, below the poverty level [^]	17.1%	27.0%	26.2%
	Under 18 years [^]	7.1%	23.3%	21.6%
	18 to 64 years [^]	6.1%	14.8%	14.2%
	65 years and older [^]	3.9%	7.7%	9.0%
Homeless persons ³	Homeless persons served in emergency shelters	39	NA	NA
	Average number of persons who use shelter per night	3	NA	NA

*2010 inflation-adjusted dollars

[^]Percent of families and individuals whose income in the past 12 months is below the poverty level

NA = Not Available

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

3) Source: July 1, 2010 – June 30, 2010, Community Shelter Board

Table 1.7

		DELAWARE COUNTY	OHIO	UNITED STATES
Insurance status*	With health insurance coverage	95.3%	87.7%	84.5%
	<i>With private health insurance</i>	88.7%	69.3%	65.8%
	<i>With public health insurance</i>	16.0%	30.6%	29.7%
	No health insurance coverage	4.7%	12.3%	15.5%
	<i>No health insurance coverage under 18 years</i>	1.5%	6.0%	8.0%
	No health insurance coverage working age (18 to 64 years) ⁴	7.6%	17.0%	NA
Disability status	Total with a disability	6.5%	13.3%	11.9%
	Under 18 years	2.4%	4.9%	4.0%
	18 to 64 years	5.4%	11.4%	10.0%
	65 years and older	27.1%	36.5%	36.7%
Veteran status	Civilian veterans	7.2%	10.1%	9.3%

*Among civilian noninstitutionalized population

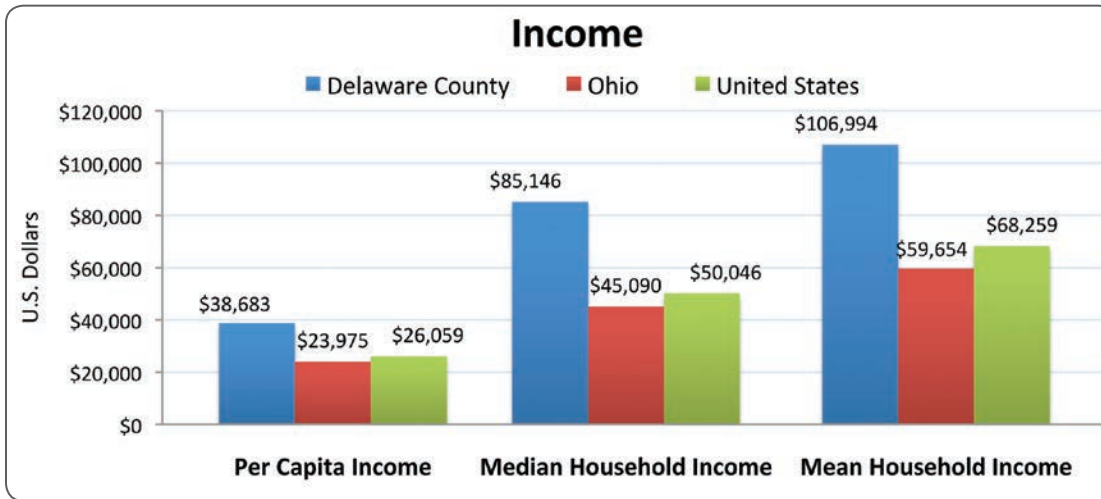
Percentages may not add to 100, attempts at clarification from the U.S. Census Bureau were unsuccessful at time of print

NA = Not Available

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

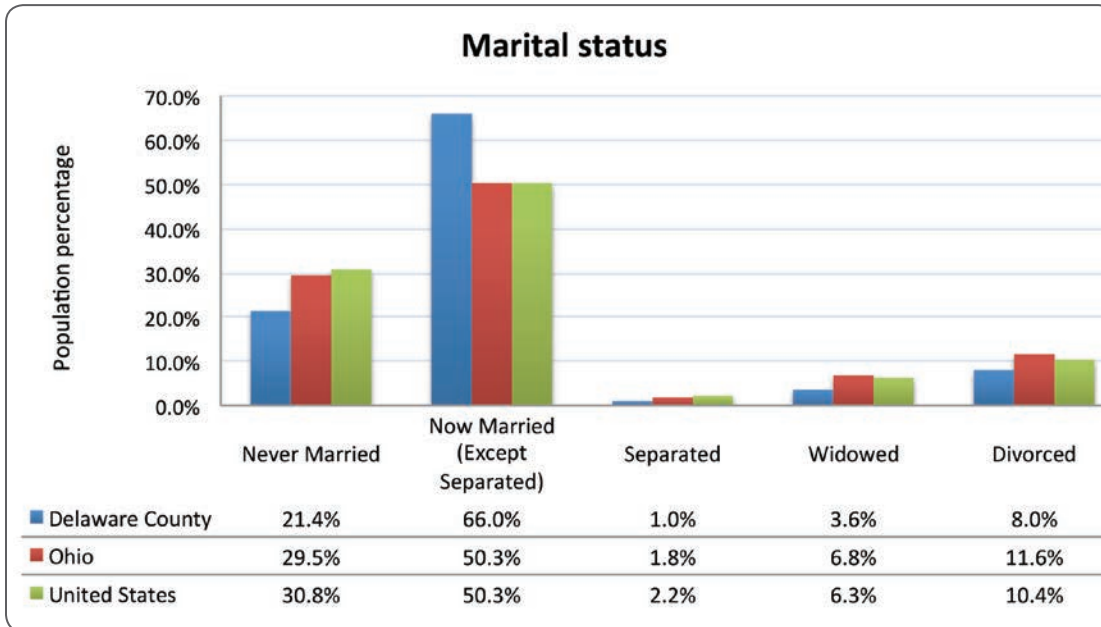
4) Source: 2008, Ohio Family Health Survey

Community profile charts



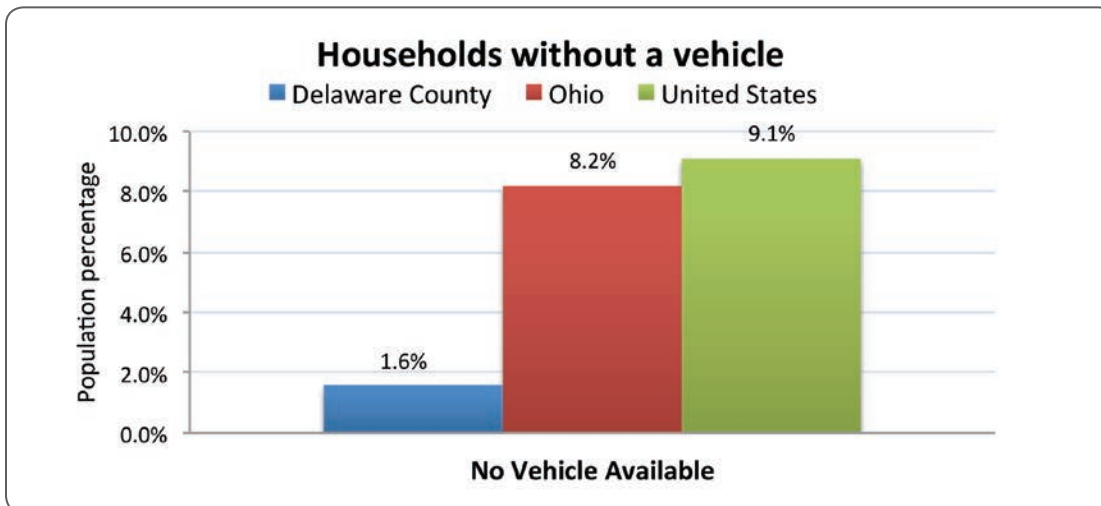
Of households in Delaware County, 78 percent are family households, compared to 65 percent in Ohio and 66 percent in the U.S., respectively.

Of all Delaware County residents, 66 percent are married, compared to 50 percent in both Ohio and the U.S.



Half of Delaware County's population has at least a bachelor's degree, compared to 25 percent in Ohio and 28 percent in the U.S.

Median household income in Delaware County is \$85,146, compared to \$45,090 in Ohio and \$50,046 in the U.S.



Of all Delaware County families, 5.3 percent are below the poverty level, compared to 12 percent in Ohio and 11 percent in the U.S.

Health Resource Availability

This section describes the availability of healthcare providers and other healthcare resources for Delaware County residents.

Generally, with the exception of licensed optometrists and opticians, Delaware County has a lower population to licensed practitioner ratio than Ohio. There are 1,383 people for every one licensed dentist, compared to 2,181 people per dentist in Ohio. There are 227 residents for every one licensed physician (MD and DO) who resides in Delaware County, compared to 439 people per physician in Ohio.

Less than 1 percent of all home care providers in Ohio practice in Delaware County.

Delaware County has a higher population to staffed hospital bed ratio (1,052:1) than Ohio (340:1), as well as a higher population to staffed nursing home bed ratio (360:1) than Ohio (124:1).

In Delaware County, there were 55,471 Emergency Department (ED) visits in 2009. When visiting the ED, patients are either treated and released, or admitted to the hospital.

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 Delaware County, there were approximately 242 Severity 1 patients per 1,000 people who were treated in the ED and released, which is less than the 404 Severity 1 patients treated in Ohio.

Of the patients that were admitted into the hospital through the ED, most were classified as Severity 2 patients. The ED admission rate for Severity 2 patients in Delaware County is 23.1 per 1,000 people, compared to 40.1 per 1,000 people in Ohio.

Health resource availability tables

Table 2.1

		DELAWARE COUNTY		OHIO	
		Total	Ratio*	Total	Ratio*
Licensed practitioners	Dentists ⁵	126	1,383:1	5,289	2,181:1
	Licensed physicians (mds and dos) ⁶	766	227:1	26,250	439:1
	Optometrists ⁷	25	6,969:1	1,864	6,189:1
	Opticians ⁸	27	6,452:1	3,182	3,626:1
	Licensed practical nurses ⁹	395	441:1	9,469	1,218:1
	Licensed nurses ⁹	2,967	59:1	166,155	69:1
Primary care physicians	Primary care physicians ⁶	221	788:1	17,410	663:1
Home care providers	Home care providers ¹⁰	5	31,974:1	610	18,912:1
Staffed beds	Staffed hospital beds ¹¹	152	1,052:1	33,860	340:1
	Staffed nursing home beds ¹⁰	444	360:1	92,786	124:1

*Ratio of population to providers

5) Source: 2011, Ohio State Dental Board via the Ohio Data Help Desk

6) Source: 2011, State Medical Board of Ohio via the Ohio Data Help Desk

7) Source: 2011, Ohio Board of Optometry

8) Source: 2011, Optical Dispensers Board of Ohio

9) Source: 2011, Ohio Board of Nursing

10) Source: 2011, Health Care Provider Report, Ohio Department of Health

11) Source: 2010, Ohio Hospital Association

The ratio of population to all licensed physicians residing in Delaware County (227:1) is lower than in the state (439:1). However, the ratio of population to primary care physicians residing in Delaware (788:1) is higher than in the state (663:1).

Health Resource Availability

Table 2.2

		DELAWARE COUNTY		OHIO	
		Total	Ratio*	Total	Ratio*
Emergency Department visits					
ED visits		55,471	318.4	6,120,957	530.6
Types of ED visits by Severity	<i>ED treated and released</i>	47,194		5,195,522	
	Severity 1	42,221	242.4	4,664,248	404.3
	Severity 2	4,905	28.2	522,687	45.3
	Severity 3	65	0.4	8,143	0.7
	Severity 4	3	0.0	444	0.0
	<i>ED admitted</i>	8,277		925,435	
	Severity 1	3,168	18.2	319,434	27.7
	Severity 2	4,019	23.1	472,571	40.1
	Severity 3	896	5.1	107,786	9.3
	Severity 4	194	1.1	25,644	2.2

*Rate per 1,000 population (2010 U.S. Census)

12) Source: 2009, Ohio Hospital Association

The rate of Emergency Department visits is approximately 318 visits per 1,000 people in Delaware County, compared to 531 visits per 1,000 people in Ohio.

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

Behavioral Risk Factors

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

When it comes to alcohol consumption, 6.8 percent of adults in Delaware County identify themselves as heavy drinkers, meaning men who consume more than two drinks per day and women who consume more than one drink per day. This is higher than the percentages for both the state of Ohio and the U.S., which are 5.5 percent and 5.1 percent, respectively.

Of adults in Delaware County, 15.9 percent identify themselves as binge drinkers, which means five or more drinks on one occasion for men, and four or more drinks on one occasion for women. This is comparable to percentages in Ohio (16.4 percent) and the U.S. (15.8 percent), respectively.

Of adults in Delaware County, 28.2 percent consume fruits and vegetables five or more times per day; the percentage for Ohio is 21 percent and for the U.S., 23.4 percent, respectively. The percentage of adults participating in physical activity within the past month in Delaware County is 84.4 percent, compared to 73.8 percent in Ohio and 76.2 percent in the U.S.

Of adults in Delaware County, 11 percent are current smokers, which is lower than the percentage in Ohio (21 percent) and the U.S. (18 percent), respectively.

Behavioral risk factors tables

Table 3.1

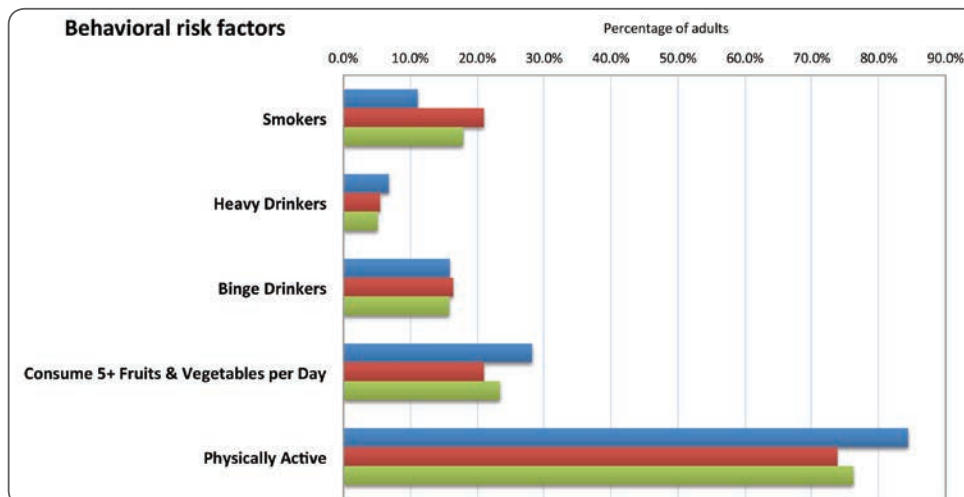
		DELAWARE COUNTY ¹³	OHIO ¹⁴	UNITED STATES
Cigarette use*	Current smokers	11.1%	21.0%	17.9%
Alcohol use*	Heavy drinkers	6.8%	5.5%	5.1%
	Binge drinkers	15.9%	16.4%	15.8%
Nutrition*	Consume fruits and vegetables 5 or more times per day	28.2%	21.0%	23.4%
Physical activity*	Participated in physical activities in the past month	84.4%	73.8%	76.2%

*Percent of adults 18 years and older surveyed

13) Source: 2008–2010, Behavioral Risk Factor Surveillance System, Centers for Disease Control and Prevention via Ohio Department of Health

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

Behavioral risk factors charts



Blue – Delaware County
Red – Ohio
Green – United States

Over 84 percent of adults in Delaware County participated in some kind of physical activity within the past month, which is higher than both state and national percentages.

Wellness Care

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

In Delaware County, 84.2 percent of women 18 years old and over received a pap smear for cervical cancer screening within the past three years, which is slightly higher than the percentage of women in Ohio (81.7 percent) and the U.S. (81.1 percent).

Of men in Delaware County 40 years and older, 56.1 percent received a prostate specific antigen (PSA) test for prostate cancer screening with the past two years, a slightly higher percentage when compared to the percent of men in Ohio (54.4 percent) and the U.S. (53.3 percent). While 15.2 percent of adults 50 years and older had a occult blood stool test to screen for colorectal cancer within the past two years, 72.4 percent also indicated that they had received a sigmoidoscopy or colonoscopy in the past.

Wellness care tables

Table 4.1			DELAWARE COUNTY ¹³	OHIO ¹⁴	UNITED STATES ¹⁴
Cancer screening*	Cervical cancer	Pap smear Women 18 years and older who have had a pap test within the past three years	84.2%	81.7%	81.1%
	Breast cancer	Mammography Women 40 years and older who have had a mammogram within the past two years	84.9%	75.0%	75.6%
	Prostate cancer	Prostate-Specific Antigen (PSA) test Men 40 years and older who have had a PSA test within the past two years	56.1%	54.4%	53.3%
	Colorectal cancer	Blood stool test Adults 50 years and older who have had an occult blood stool test within the past two years	15.2%	18.7%	17.3%
		Sigmoidoscopy or colonoscopy Adults 50 years and older who have ever had a sigmoidoscopy or colonoscopy	72.4%	64.0%	65.3%

*Percent of adults 18 years and older surveyed

13) Source: 2008–2010, Behavioral Risk Factor Surveillance System, Centers for Disease Control and Prevention via Ohio Department of Health

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

For breast cancer screening, nearly 85 percent of women aged 40 and over had a mammogram within the past two years, which is higher than Ohio (75 percent) and the U.S. (76 percent).

Maternal and Child Health

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

The infant mortality rate in Delaware County is approximately 3.0 deaths per 1,000 live births, which is lower than the Ohio rate of 7.7. All Delaware County infant deaths occurred within the Caucasian population.

Delaware County and Ohio have the same percentage (8.6 percent) of low birth-weight babies (newborns weighing less than 2,500 grams).

With regard to cigarette use during pregnancy, 20.9 percent of pregnant women in Delaware County smoked during the last three months of their pregnancy, compared to 20.7 percent of pregnant women in Ohio.

In Delaware County, the adolescent pregnancy rate among girls 17 years and younger is 7.0 pregnancies per 1,000 females, and for young women 18 and 19 years old, the rate is 54.1 pregnancies per 1,000 females. These rates are lower than those of Ohio, 15.9 and 108.0, respectively. In addition, young women in Delaware County 18 and 19 years old have a lower rate of live births (27.9) when compared to the state (73.7), and the same is true for girls 17 and younger (6.0 per 1,000 girls in Delaware County and 8.0 per 1,000 girls in Ohio).

Maternal and child health tables

Table 5.1

		DELAWARE COUNTY	OHIO
Infant mortality rate ¹⁵	Total Rate*	3.0	7.7
	<i>Caucasian</i>	3.3	6.0
	<i>African American</i>	0.0	16.2
	<i>Native American</i>	0.0	0.0
	<i>Asian/other Pacific Islander</i>	0.0	1.8
	<i>Hispanic†</i>	0.0	6.1
Low birth weight babies ¹⁵	Less than 2,500 grams^	8.6%	8.6%
Cigarette use during pregnancy ¹⁶	Smoking in last three months of pregnancy§	20.9%	20.7%
Abortion rate ¹⁷	Total induced abortion rate#	4.2	11.8

*Rate per 1,000 live births

†Race categories include Hispanics

^Percent of live births < 2,500g

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

#Rate per 1,000 women ages 15–44 years

15) Source: 2008, Data Warehouse Vital Statistics, Ohio Department of Health

16) Source: 2010, Pregnancy Nutrition Surveillance Survey, Centers for Disease Control and Prevention via Ohio Department of Health

17) Source: 2010, Ohio Department of Health

The abortion rate in Delaware County is 4.2 per 1,000 females 15–44 years old, compared to 11.8 per 1,000 in Ohio.

Maternal and Child Health

Table 5.2

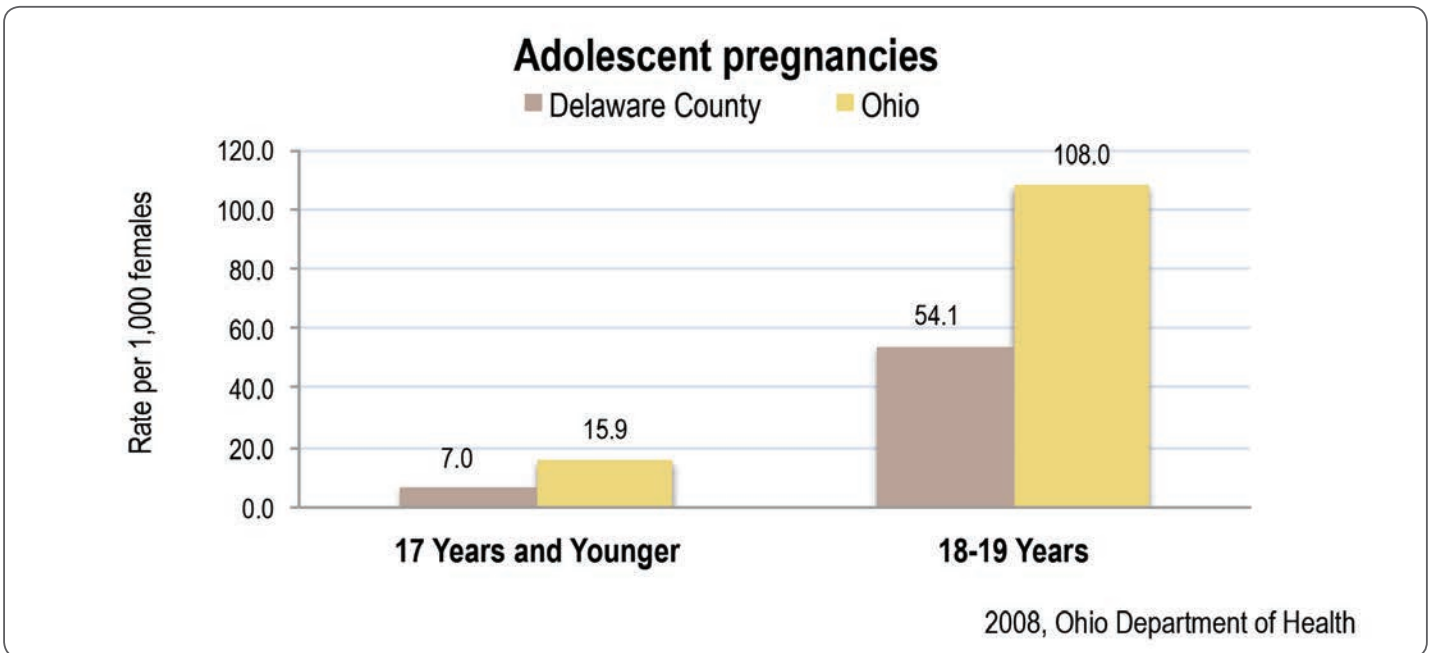
		DELAWARE COUNTY	OHIO
Adolescent pregnancy rate*	17 years and younger	7.0	15.9
	18–19 Years	54.1	108.0
Adolescent live birth rate*	17 Years and younger	6.0	8.0
	18–19 Years	27.9	73.7

*Rate per 1,000 women within the indicated age group

15) Source: 2008, Data Warehouse Vital Statistics, Ohio Department of Health

Adolescent pregnancy rates in Delaware County are lower than Ohio rates.

Maternal and child health charts



Oral Health

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

In Delaware County, approximately 10 percent of adults between the 18 and 64 years old needed dental care, but could not secure it during the past year, while nearly 15 percent in Ohio were unable to secure dental care.

In Delaware County, 27.6 percent of adults 18—64 years old have no dental coverage, even if insured compared to 23.4 percent in Ohio.

Oral health tables

Table 6.1

		DELAWARE COUNTY	OHIO
Needed dental care, But could not secure in the past 12 months	Adults over 17	8.9%	13.1%
	Adults 18-64	10.2%	14.9%
	Seniors < 65	NA	4.8%
No dental coverage, Even if insured	Adults over 17	32.1%	30.9%
	Adults 18–64	27.6%	23.4%
	Seniors >65	59.0%	59.8%

NA = data not available

4) Source: 2008, Ohio Family Health Survey

Mental and Social Health

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

There were 890 cases of child abuse reported in Delaware County in 2009. Most instances were due to neglect (36 percent), and families in need of services, dependency and other assistance (31 percent). In Ohio, most cases were instances of neglect (35 percent), followed by physical abuse (27 percent). Sexual abuse accounted for 10 percent of the cases in Delaware County, compared to 13 percent in Ohio.

In 2010, there were 298 reported incidents of domestic violence in Delaware County, 42.3 percent of those incidents resulted in injury to the victim. In Ohio, 44.6 percent of the incidents resulted in an injury.

In Delaware County, just over one death per 100,000 people is due to homicide, while approximately eight deaths per 100,000 people are due to suicide. Both rates are lower than those of the state.

Delaware County has a lower psychiatric admission rate (2.3 per 1,000 people) when compared to Ohio (6.2 per 1,000 people).

The alcohol-related motor vehicle crash mortality rate in Delaware County is 2.5 deaths per 100,000 people, which is lower than the rate of 3.7 in Ohio. Delaware County also has a lower alcohol-related crash injury rate (53.2) when compared to Ohio (67.0).

Mental and social health tables

Table 7.1

		DELAWARE COUNTY	OHIO
Child abuse	Total cases	890	106,538
	Physical abuse	19.1%	26.9%
	Neglect	35.8%	34.5%
	Sexual abuse	10.0%	12.6%
	Emotional maltreatment	4.2%	2.7%
	Family in need of services, dependency & other	30.9%	23.3%

18) Source: 2009, Public Children Services Association of Ohio

In Delaware County, 36 percent of child abuse cases are the result of neglect.

Table 7.2

		DELAWARE COUNTY	OHIO
Domestic violence	Total incidents	298	56,904
	Victim with no injury	57.7%	55.2%
	Victim with injury	42.3%	44.6%
	Victim with fatal injury	0.0%	0.2%

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

Mental and Social Health

Table 7.3

			DELAWARE COUNTY	OHIO
Deaths	Homicide ²⁰	Homicide rate*	1.2	5.6
	Suicide ²⁰	Suicide rate*	8.1	11.3
Hospitalizations	Assault/alleged abuse ²¹	Intentional (injury hospitalization rate [^])	2.9	NA
	Attempted suicide ²¹	Self-inflicted (injury hospitalization rate [^])	0.6	NA
	Psychiatric admissions ¹²	Psychiatric admission rate [†]	2.3	6.2

*Age-adjusted death rate per 100,000 population

[^]Rate per 100,000 population

[†]Rate per 1,000 population

NA = Not Available

20) Source: 2006-2008, Data Warehouse Vital Statistics, Ohio Department of Health

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

12) Source: 2009, Ohio Hospital Association

Delaware County has lower homicide and suicide rates than the state.

Table 7.4

		DELAWARE COUNTY	OHIO
Alcohol-related motor vehicle crashes ²²	Total alcohol-related crashes	145	13,037
	Alcohol-related mortality rate*	2.5	3.7
	Alcohol-related injury rate*	53.2	67.0
Unintentional drug/medication mortality ²³	Unintentional drug/medication mortality rate [^]	6.7	12.2

*Rate per 100,000 population

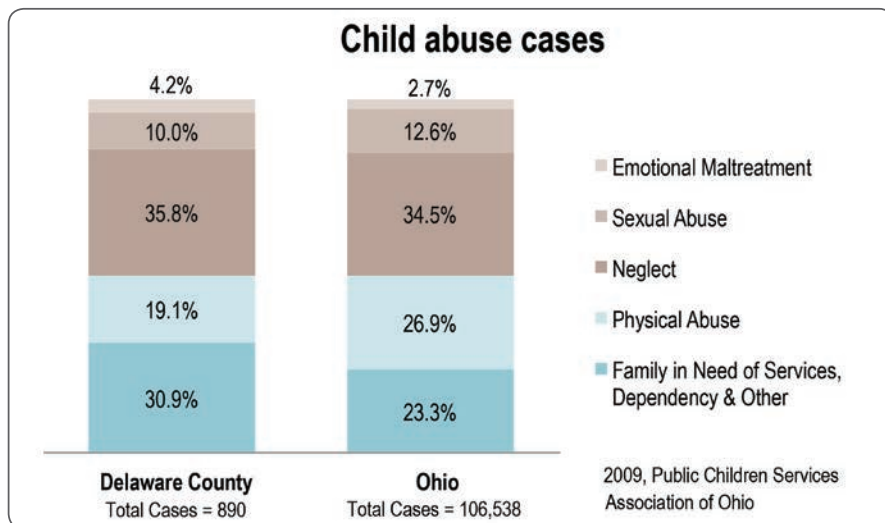
[^]2006–2010 average rate per 100,000 population

22) Source: 2010, Ohio Department of Public Safety

23) Source: 2006–2010, Ohio Department of Health

The rate of deaths due to unintentional drug or medication misuse in Delaware County is roughly half the rate for the state of Ohio.

Mental and social health charts



Of reported domestic violence incidents in Delaware County, 42.3 percent resulted in an injury to the victim.

Death, Illness and Injury

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

With the exception of Alzheimer's disease, the rates of death in Delaware County from all ten leading causes of death are lower than those of the state of Ohio as a whole.

Rates of new cases of breast and prostate cancers in Delaware County (148 and 171 per 100,000 population, respectively) appear to be higher than the rates for the state (120 and 146). Conversely, rates of new cases of lung and bronchus, and colon and rectum cancers appear to be lower.

Nearly 7 percent of Delaware County adults have been told by a doctor that they have diabetes; this compares to just over 10 percent of Ohio's population and almost 9 percent in the U.S. In Delaware County, 37.1 percent of adults have been told their blood cholesterol is high, which is comparable to the state and nation (39.6 percent and 37.5 percent, respectively).

The percentage of adults in Delaware County who are at a healthy weight (34.0 percent) is comparable to that in the state (34.3 percent) and U.S. (35.5 percent). While the percentage of obese adults is lower, 44.2 percent of adults are considered overweight.

Nearly 71 percent of Delaware County adults believe their health is excellent or very good; this is higher than the percentages for both the state (52.9 percent) and the U.S. (54.8 percent).

In Delaware County, approximately 30 per 1,000 people were hospitalized due to hypertension, compared to 57 per 1,000 in Ohio.

Among trauma patients in 2010, the largest age group was 35–54 years old (nearly 53 percent of patients), and males made up over 72 percent of patients. The gender distribution among trauma patients remained fairly similar between 2007 and 2010.

Among trauma patients in 2007 and 2010, the two most frequent mechanisms of injuries were falls and motor vehicle traffic accidents.

In 2007 and 2010, the majority (67 percent) of trauma hospitalizations in patients 65 years old or older were the result of falls, two out of three hospitalizations in 2007 and four out of six in 2010.

Most trauma patients are injured on the street or highway, followed by in the home. percent Patients with home-based injuries increased by approximately 10 percent between 2007 and 2010. The majority of trauma patients are discharged via transfer to another hospital.

Between 2007 and 2010 the number of work-related injury hospitalizations in Delaware County decreased from a rate of 2.3 per 100,000 to 0.6 per 100,000 people.

There were no reported cases of a hospitalization due to geriatric or child abuse in Delaware County in 2007 or 2010

Death, illness and injury tables

Table 8.1

		DELAWARE COUNTY		OHIO	
		Deaths	Rate	Deaths	Rate
Mortality rates* Top 10 leading causes	Diseases of the heart	553	170.9	81,952	209.0
	Malignant neoplasms (cancer)	604	172.5	74,998	195.9
	Chronic lower respiratory diseases	140	45.1	19,364	50.5
	Cerebrovascular disease	127	41.3	17,275	44.1
	Accidents, unintentional injuries	119	29.7	14,644	40.6
	Alzheimer's disease	86	30.1	11,507	28.6
	Diabetes mellitus	51	15.0	11,021	28.6
	Influenza and pneumonia	55	11.4	5,775	14.7
	Nephritis, nephrotic syndrome, and nephrosis	42	8.7	5,318	13.7
	Septicemia	20	4.2	3,923	10.2
Cancer mortality rates Top 5 cancers	Trachea, bronchus, and lung*	173	49.5	22,220	58.3
	Colon, rectum, and anus*	48	14.4	7,265	18.9
	Breast*	52	13.3	5,583	14.5
	<i>Female</i> †	52	24.9	5,544	25.6
	<i>Male</i> ^	0	0.0	39	0.2
	Pancreas*	36	9.5	4,431	11.5
	Prostate*	33	10.7	3,613	9.4
	<i>Male</i> ^	33	26.6	3,611	24.7

*Age-adjusted death rate per 100,000 population

†Age-adjusted death rate per 100,000 females

^Age-adjusted death rate per 100,000 males

20) Source: 2006–2008, Data Warehouse Vital Statistics, Ohio Department of Health

Table 8.2

		DELAWARE COUNTY	OHIO	UNITED STATES
Cancer incidence rates*	Breast (female)	148.1	119.9	122.9
	Prostate	171.4	145.5	156.9
	Lung and bronchus	71.6	75.0	62.5
	Colon and rectum	48.7	51.1	47.9

*Age-adjusted rate per 100,000 population

24) Source: 2003–2007, Ohio Cancer Incidence Surveillance System, Ohio Department of Health

The leading cause of death in Delaware County is cancer, followed closely by heart disease.

Death, Illness, and Injury

Table 8.3

		DELAWARE COUNTY ¹³	OHIO	UNITED STATES
Adult diagnoses*	Arthritis	32.2%	30.8% ²⁵	26.0% ²⁵
	Asthma	5.9%	9.6% ¹⁴	9.1% ¹⁴
	Diabetes	6.8%	10.1% ¹⁴	8.7% ¹⁴
	High blood cholesterol	37.1%	39.6% ²⁵	37.5% ²⁵
	High blood pressure	24.8%	31.7% ²⁵	28.7% ²⁵
Adult body mass index* (BMI)	Healthy	34.0%	34.3% ¹⁴	35.5% ¹⁴
	Overweight	44.2%	36.0% ¹⁴	36.2% ¹⁴
	Obese	21.9%	29.7% ¹⁴	27.5% ¹⁴

*Percent of adults 18 and over surveyed

13) Source: 2008–2010, Behavioral Risk Factor Surveillance System, Centers for Disease Control and Prevention via Ohio Department of Health

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

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

Table 8.4

		DELAWARE COUNTY ¹³	OHIO ¹⁴	UNITED STATES ¹⁴
How is your general health?*	Excellent	24.4%	18.3%	20.2%
	Very good	46.3%	34.6%	34.6%
	Good	20.7%	31.1%	29.8%
	Fair	7.6%	12.0%	10.9%
	Poor	1.0%	4.2%	4.0%

*Percent of adults 18 and over surveyed

13) Source: 2008–2010, Behavioral Risk Factor Surveillance System, Centers for Disease Control and Prevention via Ohio Department of Health

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

Table 8.5

		DELAWARE COUNTY	OHIO
Hospitalizations*	Hypertension	30.4	56.9
	Diabetes	15.0	33.9
	Heart failure	8.0	19.2
	Asthma	6.5	12.5
	Pneumonia	4.9	10.8
	Heart attack	1.9	3.6
	Stroke	1.1	2.1
	Premature births	1.2	1.3
	Influenza	0.4	0.7
	Cellulitis	2.6	5.6
	Burns	0.1	0.2

*Rate per 1,000 population

Death, Illness, and Injury

Table 8.6

			DELAWARE COUNTY
Injury hospitalizations*	Unintentional injuries (adult)	25–44 years	83.8
		45–64 years	52.9
		65–74 years	50.4
		75 years and older	136.3
	Intentional injuries (adult)	25–44 years	6.1
		45–64 years	2.1
		65–74 years	0.0
		75 years and older	0.0

*Rate per 100,000 population

21) Source: 2005–2007, Central Ohio Trauma System

Table 8.7

		DELAWARE COUNTY	OHIO ²⁷	UNITED STATES ²⁷
Motor vehicle traffic injuries	Hospitalization rate*	33.92 ²¹	NA	NA
	Mortality rate [^]	8.126 ²⁶	11.5	14.3

*Rate per 100,000 population

[^]Age-adjusted rate per 100,000 population

21) Source: 2005–2007, Central Ohio Trauma System

26) Source: 2010, Ohio Department of Public Safety

27) Source: 2010, Center for Injury Prevention and Control, Centers for Disease Control and Prevention

Between 2007 and 2010, the rate of trauma patients per 1,000 people in Delaware County remained the same.

While nearly one-fourth of adults in Delaware County have been told they have high blood pressure; this is lower than the percentages for the state and the U.S.

Death, Illness, and Injury

Table 8.8

		DELAWARE COUNTY 2007	DELAWARE COUNTY 2010	
Trauma patients*	Total trauma patients	34	36	
	Rate per 1,000 population	0.2	0.2	
	By age†	0-3	2.9%	5.6%
		4-12	2.9%	2.8%
		13-15	5.9%	0.0%
		16-19	8.8%	5.6%
		20-24	5.9%	5.6%
		25-34	20.6%	8.3%
		35-54	38.2%	52.8%
		55-64	5.9%	2.8%
		65-84	5.9%	16.7%
		85+	2.9%	0.0%
		Not documented	0.0%	0.0%
	By race†	Caucasian	70.6%	36.1%
		African American	0.0%	5.6%
		Not documented	26.5%	58.3%
		Asian	0.0%	0.0%
Hispanic		0.0%	0.0%	
Other		2.9%	0.0%	
Native American		0.0%	0.0%	
By gender†	Male	73.5%	72.2%	
	Female	26.5%	27.8%	

*Patients who were transferred in or out, admitted or died at Delaware County hospital, including patients living inside and outside Delaware County

†Percent of total trauma patients

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

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

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

Death, Illness, and Injury

Table 8.9

			DELAWARE COUNTY 2007	DELAWARE COUNTY 2010
Trauma patients*	By mechanism of injury†	Fall	29.4%	25.0%
		MVT, occupant	32.4%	30.6%
		Struck by	11.8%	5.6%
		Transport, other	0.0%	11.1%
		Firearm	5.9%	2.8%
		MVT, motorcycle	5.9%	11.1%
		Cut/pierce	0.0%	0.0%
		MVT, pedestrian	0.0%	2.8%
		Other specified & classifiable	8.8%	2.8%
		Fire/flame	2.9%	5.6%
		Hot object	0.0%	0.0%
		Pedal, other	0.0%	2.8%
		Natural, environmental	0.0%	0.0%
		Unspecified	0.0%	0.0%
		Machinery	2.9%	0.0%
		MVT, pedal	0.0%	0.0%
		Other specified	0.0%	0.0%
		Drown	0.0%	0.0%
		Suffocation	0.0%	0.0%
		Pedestrian, other	0.0%	0.0%
		MVT, other	0.0%	0.0%
		MVT, unspecified	0.0%	0.0%
		Overexertion	0.0%	0.0%
	Poisoning	0.0%	0.0%	
	By location†	Home	29.4%	38.9%
		Street & highway	41.2%	44.4%
		Unspecified place	2.9%	5.6%
		Place for recreation & sport	5.9%	0.0%
		Residential institution	2.9%	2.8%
		Public building	8.8%	5.6%
		Industrial place	5.9%	0.0%
		Other specified place	2.9%	2.8%
		Farm	0.0%	0.0%
Mine or quarry	0.0%	0.0%		

MVT = Motor Vehicle Traffic

*Patients who were transferred in or out, admitted or died at Delaware County hospital, including patients living inside and outside Delaware County

†Percent of total trauma patients

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

Of adults in Delaware County, 71 percent believe their health to be excellent or very good.

Death, Illness, and Injury

Table 8.10

			DELAWARE COUNTY 2007	DELAWARE COUNTY 2010
Trauma patients*	By discharge location†	Home	0.0%	2.8%
		Nursing home	0.0%	0.0%
		Transfer to another hospital	100.0%	94.4%
		Rehabilitation	0.0%	0.0%
		Morgue	0.0%	2.8%
		Other/not documented	0.0%	0.0%
		Jail	0.0%	0.0%
		Home with care	0.0%	0.0%
		AMA	0.0%	0.0%

*Patients who were transferred in or out, admitted or died at Delaware County hospital, including patients living inside and outside Delaware County

†Percent of total trauma patients

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

Table 8.11

			DELAWARE COUNTY 2007	DELAWARE COUNTY 2010
Work-related injury Hospitalizations*	Total		4	1
	Rate per 100,000 population		2.3	0.6
	By gender†	Male	75.0%	100.0%
		Female	25.0%	0.0%

*Patients who were transferred in or out, admitted or died at Delaware County hospital, including patients living inside and outside Delaware County

†Percent of work-related injury

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

Table 8.12

	DELAWARE COUNTY 2007		DELAWARE COUNTY 2010	
	Total	Rate	Total	Rate
Elderly patients hospitalized by fall*†	2	0.1	4	0.2
Hospitalized geriatric abuse cases*	0	0.0	0	0.0
Hospitalized child abuse cases*	0	0.0	0	0.0

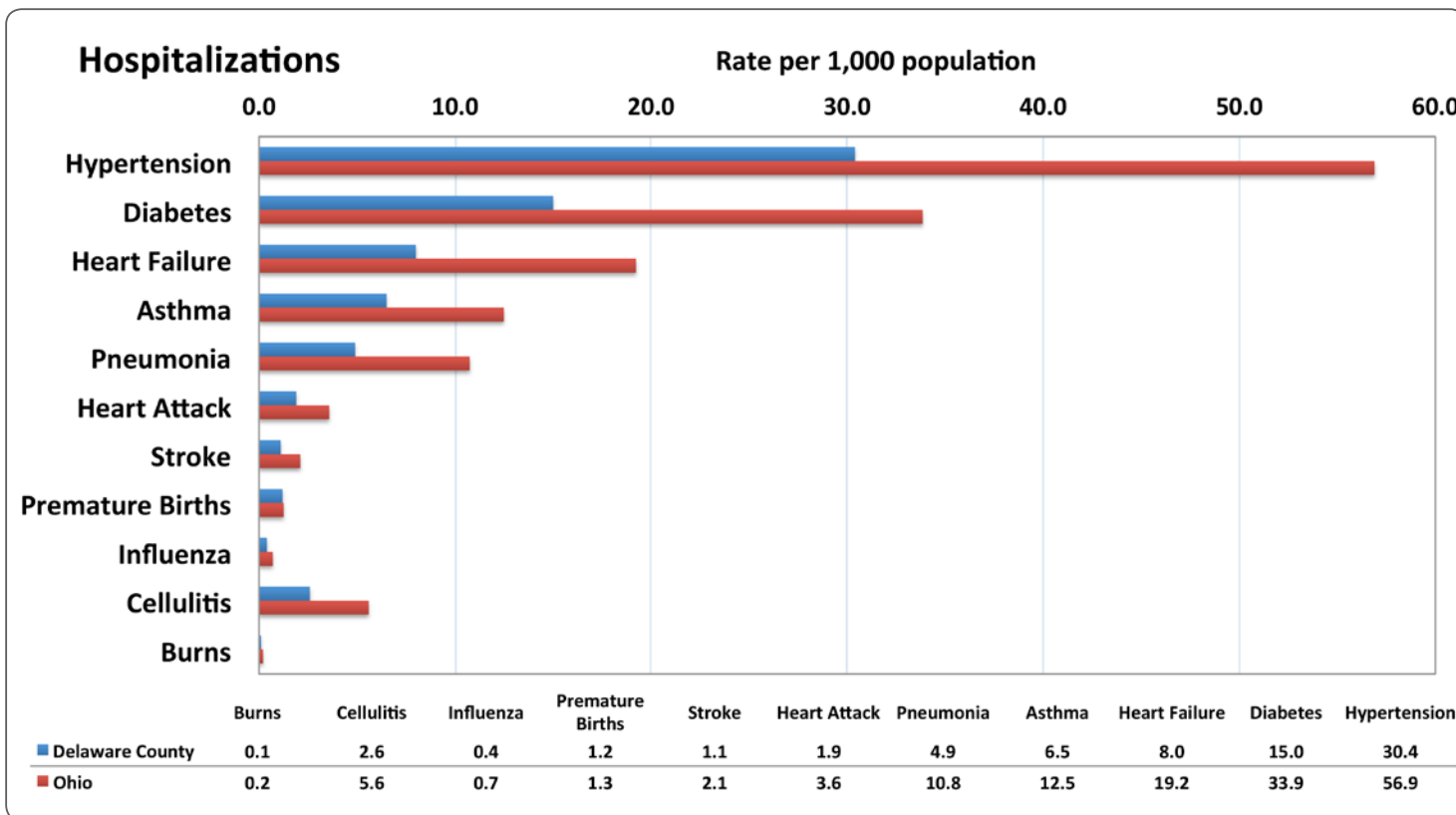
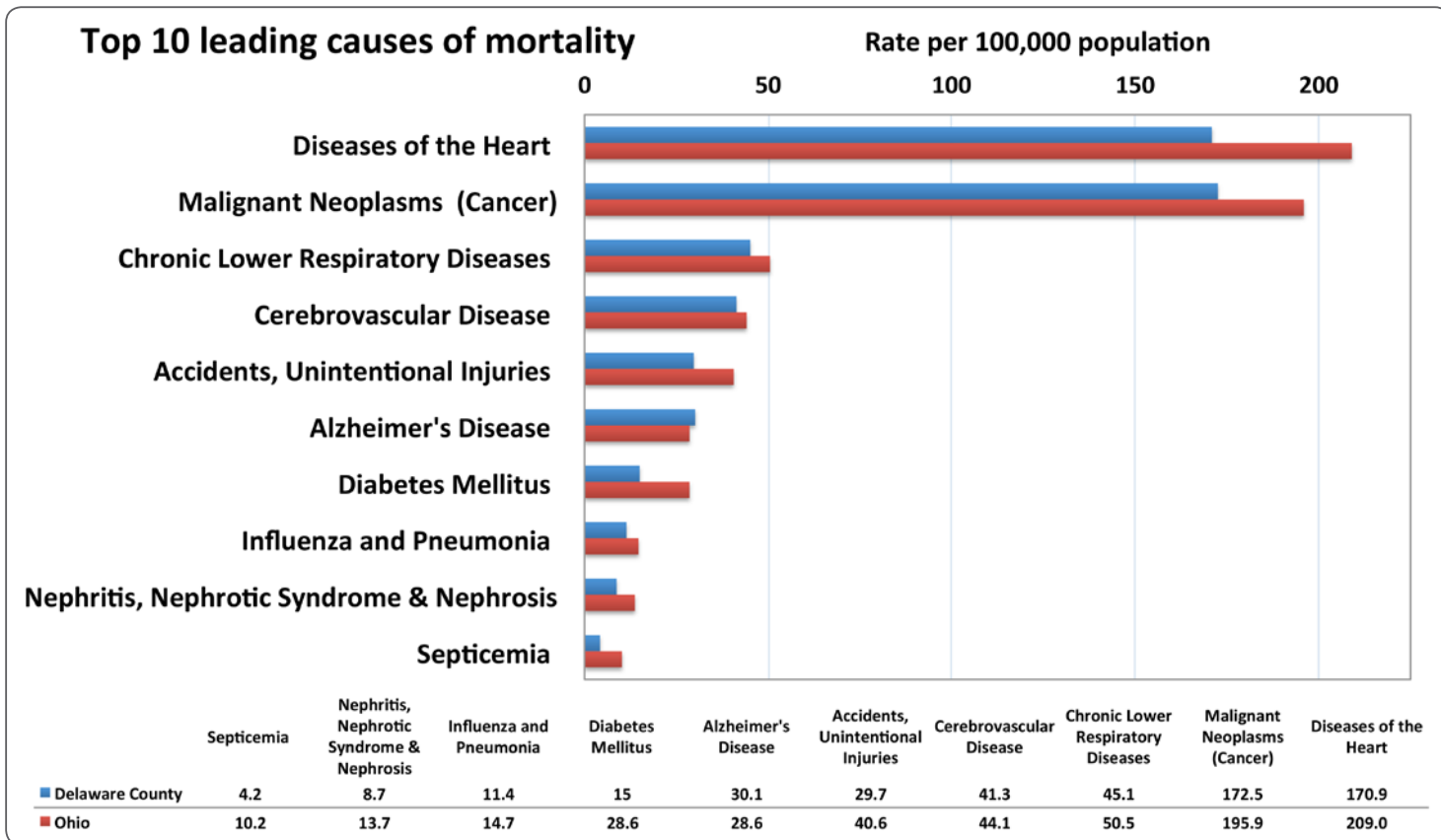
*Patients who were transferred in or out, admitted or died at Delaware County hospital, including patients living inside and outside Delaware County

†Rate per 1,000 population 65 years and over

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

Two-thirds of the adult population in Delaware County self-reported that they are considered overweight or obese.

Death, illness and injury charts



Infectious Diseases

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

The incidence rate of chlamydia in Delaware County is 152.1 cases per 100,000 people, which is lower than the rate in Ohio, where there are 445.7 reported cases per 100,000 people.

Delaware County has a lower incidence of gonorrhea than Ohio – 17 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. However, the pertussis rate in Delaware County (80.9 cases per 100,000) is approximately eight times higher than the rate in Ohio (9.5 cases per 100,000).

There were no reported instances of hospital-acquired methicillin-sensitive *Staphylococcus aureus* (MSSA), methicillin-resistant *Staphylococcus aureus* (MRSA), or *Clostridium difficile* (C. diff) infections in Delaware County.

The percentage of adults in Delaware County 65 years and older receiving influenza vaccines (81.5 percent) is higher than the percentage of adults in both Ohio (64.8 percent) and the U.S. (67.5 percent); however, the percentage receiving pneumonia vaccines (58.8 percent) is lower than Ohio (68.5 percent) and the U.S. (68.8 percent).

Infectious disease tables

Table 9.1

		DELAWARE COUNTY		OHIO	
		Cases	Rate*	Cases	Rate*
Incidence of infectious disease	Chlamydia ²⁹	251	152.1	51,194	445.7
	Gonorrhea ²⁹	28	17.0	16,522	143.8
	Pertussis ³⁰	89	80.9	1,100	9.5
	Syphilis (primary and secondary) ²⁹	2	1.2	525	4.6
	Tuberculosis ²⁹	0	0.0	190	1.6
	Hepatitis a ³⁰	2	1.8	34	0.3
	Meningococcal disease ³⁰	0	0.0	42	0.4
	Measles ³⁰	0	0.0	1	0.0
	Mumps ³⁰	1	0.9	6	0.1
	Tetanus ³⁰	0	0.0	2	0.0
	Rubella† ³⁰	0	0.0	0	0.0
	Diphtheria† ³⁰	0	0.0	0	0.0
	Polio† ³⁰	0	0.0	0	0.0
Prevalence of HIV/AIDS	Persons living with diagnosed HIV infection ³¹	85	50.4	16,405	142.1

*Rate per 100,000 population

†No known cases during at least the past five years

29) Source: 2010, STD Surveillance Report, Ohio Department of Health

30) Source: 2010, Annual Summary of Infectious Diseases, Ohio Department of Health

31) Source: 2009, HIV/AIDS Surveillance Program, Ohio Department of Health

Sexually transmitted infections are responsible for the highest rates of infectious disease in Delaware County, but are still lower than rates for the state.

Infectious Disease

Table 9.2

		DELAWARE COUNTY		OHIO	
		Cases	Rate*	Cases	Rate*
Incidence of hospital acquired infections	C. diff	0	0.0	3,568	5.4
	MRSA	0	0.0	550	0.8
	MSSA	0	0.0	394	0.6

*Rate per 10,000 patient days

32) Source: July 1, 2009 – June 30, 2010, Ohio Department of Health

Table 9.3

		DELAWARE COUNTY ¹³	OHIO ¹⁴	UNITED STATES ¹⁴
Vaccines*	Pneumonia vaccine	58.8%	68.5%	68.8%
	Influenza vaccine	81.5%	64.8%	67.5%

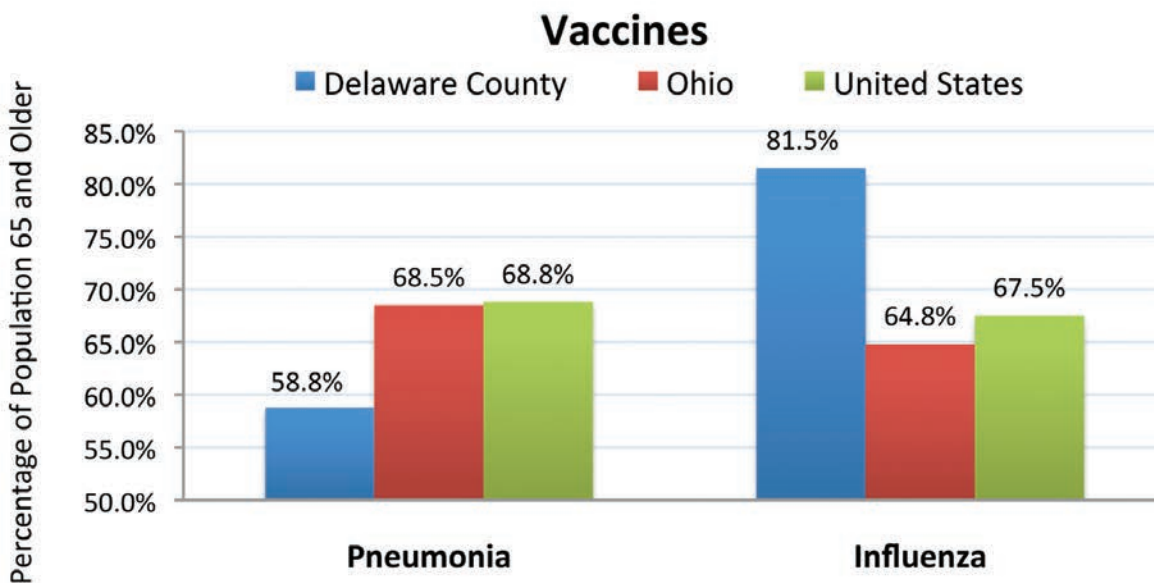
*Percent of adults 65 years and older surveyed

13) Source: 2008–2010, Behavioral Risk Factor Surveillance System, Centers for Disease Control and Prevention via Ohio Department of Health

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

There are 85 people living with a diagnosis of HIV or AIDS in Delaware County; this represents a rate of approximately 50.5 people per 100,000.

Infectious disease charts



More adults 65 years and older receive an influenza vaccination (82 percent) than a pneumonia vaccination (59 percent) in Delaware County.

Youth Issues

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

Accidents and unintentional injuries caused two deaths among youth between the ages of 1 and 14 years old; this is a rate of 5.8 per 100,000 population, and is consistent with the rate for Ohio.

Among children under the age of 18 in Delaware County, 30 percent have no dental coverage. In comparison, 18.3 percent of Ohio children do not have dental coverage.

Of third graders in Delaware County, 25.7 percent are overweight or obese; this compares to 34.7 percent in the state and 35.5 percent in the U.S.

More than one-quarter of third graders in Delaware County are considered overweight or obese.

Youth issues tables

Table 10.1

		DELAWARE COUNTY		OHIO		
		Deaths	Rate*	Deaths	Rate*	
Youth mortality	Total deaths	3	8.5	1,194	18.9	
	Leading causes					
	Accidents, unintentional injuries	2	5.8	353	5.6	
	Malignant neoplasms (cancer)	0	0.0	146	2.3	
	Congenital malformations, deformations & chromosomal abnormalities	0	0.0	111	1.8	
	Homicide	0	0.0	104	1.6	
	Cerebrovascular disease	1	2.8	22	0.3	
	Septicemia	0	0.0	20	0.3	
	Diseases of the heart	0	0.0	44	0.7	
	Suicide	0	0.0	35	0.6	
	Influenza and pneumonia	0	0.0	22	0.3	

*Rate per 100,000 population ages 1-14

20) Source: 2006–2008, Ohio Department of Health

Table 10.2

		DELAWARE COUNTY	OHIO	UNITED STATES
Body mass index (BMI) by screening ³³	Overweight/obese	25.7%†	34.7%†	35.5%^
	Overweight	11.8%†	16.3%†	NA
	Obese	NA	18.3%†	19.6%^
	Obese level 2	NA	12.5%†	NA
Dental care ⁴	Unmet dental health care needs	NA	4.5%	NA
	No dental coverage	30.0%	18.3%	NA

†Percent of 3rd graders

^Percent of children ages 6–11 years

§Percent of children under 18 years old, excluding 1 year old

NA = Not Available

4) Source: 2008, Ohio Family Health Survey

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

Stakeholder Priorities

On September 28, 2012, Grady Memorial Hospital and the Delaware General Health District (DGHD) jointly convened 21 stakeholders. That meeting had two purposes: 1) to initiate a new comprehensive community health planning process coordinated by DGHD and 2) to analyze and prioritize health needs at this point in time. The summary that follows focuses on the identification of health needs.

Stakeholders, in small groups of four or five, reviewed and discussed the OhioHealth Community Health Needs Assessment data, considered other existing health data and reports, and reflected upon their own knowledge and professional experience. Groups captured key points from their discussions and listed a total of 23 individual health conditions for consideration. When the large group reconvened, the needs were grouped into 13 common categories. All the 21 stakeholders were invited to participate in the prioritization of health needs but only 15 of the 21 stakeholders participated. Each of the 15 stakeholders had opportunities to identify the health needs that they consider as a priorities based on their community experience and the needs of the communities they serve.

Four priority health needs were identified:

- a. Youth mental health issues, including providers, suicide, depression, violence, bullying and substance abuse
- b. Obesity
- c. Dental health needs, including providers, services, coverage and focus on Medicaid and uninsured or underinsured populations
- d. Domestic violence

Following the meeting, a summary was sent to participants for correction and comments.

Community Resources

Community and health care organizations that address health needs

Need: Youth mental health issues, including providers, suicide, depression, violence, bullying, and substance abuse	
Community Resources	Activities
Schools	Counselors
Educational Service Center of Central Ohio	Ventures Academy
Olentangy Calling System	Home-school liaisons
Suicide Prevention Task Force (Helpline)	Awareness
Central Ohio Mental Health Center (COMH)	Treatment –Intensive Home Based Treatment (IHBT)
Grady Emergency Department + COMH	Emergency service & placement
Maryhaven/RPN (AOD)	Treatment, prevention, school liaisons, pre-school consultation
Juvenile Court	Mental health docket
Delaware Morrow Mental Health and Recovery Services Board	Funding
Drug Free Delaware Coalition	Strategies/evaluation/compliance checks
STAND UP Leadership Team	Youth lead teen group focuses on youth priorities and serves as mentors to their peers
Prevention Education in All Classroom Environments (PEACE) Collaborative	Integrates prevention programming providers with schools and needs
Directions for Youth	United Way funded school-based counselors in Delaware City
Thank Goodness I'm Female (TGIF)	Middle school anti-bullying/relational aggression prevention program
Cluster for Youth	Multi-need youth
Church-based youth groups	Discussion forums
Boy/Girl Scouts	Drug-free programs
HelpLine	24-hour crisis intervention

Community Resources

Need: Obesity	
Community Resources	Activities
Delaware County Obesity Prevention Sub-Committee (now a coalition)	Developed obesity prevention action plan, work on systems change and policy initiatives Created action forms for various sectors based on evidenced-based steps
Delaware County Wellness Collaborative	Consists of four coalitions that to address health issues, especially obesity
Delaware ACHIEVE Team	Community action plan for chronic disease
Pediatric physicians	Annual assessments
City of Delaware + Grady Memorial Hospital	New YMCA - multitude of athletic and recreational activities
Women, Infants & Children (WIC)	Support of breastfeeding mothers
United Way of Delaware County	Fund childhood obesity program through DGHD
Community support groups	Weight Watchers & Taking Off Pounds Sensibly (TOPS)
Delaware General Health District	Worksite wellness programs Community and Board of Health priority/staffing for coordination of programs and coalitions Healthy Children, Healthy Weights program for daycares
Hunger Task Force	Coalition of food pantries, increased access to nutrient dense food
Schools	Body Mass Index (BMI), nutrition standards, vending machine policies

Need: Dental health needs, including providers, services, coverage, and focus on Medicaid and un/underinsured populations	
Community Resources	Activities
Parents teaching good habits	"Brush your teeth"
People In Need (PIN)	Vouchers (limited)
Delaware General Health District (DGHD)	RNs – sealants w/ immunizations
Grace Clinic	Free health clinics, referral/vouchers
Schools	Dental screening in certain grades + education

Community Resources

Need: Domestic Violence	
Community Resources	Activities
Turning Point	Shelter (Marion County) Support groups (Delaware County) Prevention education & advocacy
Delaware County Job & Family Services	Work with families with children involved
Grady Memorial Hospital	Emergency room
Delaware Courts	For youth/children –court appointed special advocates (CASA)
Prosecutor’s Office	Victim services
HelpLine	Prevention/education – school-based (sexual assault response network)
Law enforcement	Training programs
Legal Aid	Free legal services
Grady Memorial Hospital	OB clinic, Emergency Department, Inpatient services: assessment on admission & referral

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WESTERVILLE MEDICAL CAMPUS + 20 HEALTH AND SURGERY CENTERS + URGENT CARE + PRIMARY AND SPECIALTY CARE
WELLNESS + HOSPICE + HOME CARE + 22,000 PHYSICIANS, ASSOCIATES AND VOLUNTEERS

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