



Community Health Review

Columbia Twp

Community Health Reviews provide a better idea of the public health issues that impact each community.



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Vital Statistics

Hamilton County Public Health facilitates the collection of birth and death data in the community. This information is used for the issuance of birth and death certificates, but it is also a valuable tool for measuring the health status of your community. Mortality information is on the last page of this report.

Number of Births:	54
Birth Rate:	12 per 1,000 residents
Number of Girls:	26
Number of Boys:	28

Births

Birth information is used to identify the occurrence of critical birth outcomes and associated risk factors. Occurrences of these risks in your community are outlined in **Table 1** and include low-weight births, preterm births, infant deaths, late prenatal care and teen births. Listed below are selected 2007 birth statistics for your community.

Table 1. Critical Birth Outcomes and Associated Risk Factors in Columbia Twp., Hamilton County, Ohio, and the United States - 2007

	†Columbia Township	Hamilton County*	Ohio*	US**
Number of Births	54	11,805	150,784	4,265,996
Critical Birth Outcomes				
Low birth weight (<2500 grams)	7.4%	10.5%	8.8%	8.3%
Pre-term births (<37 weeks)	13%	14.5%	12.9%	12.8%
Risk Factors				
Medical risk factors during pregnancy	20.4%	31.0%	25.5%	-
Mother's age (<20 yrs)—teen births	5.6%	12.0%	11.0%	10.4%
Mother's age (>34 yrs)	7.4%	13.0%	12.2%	14.3%

Injury

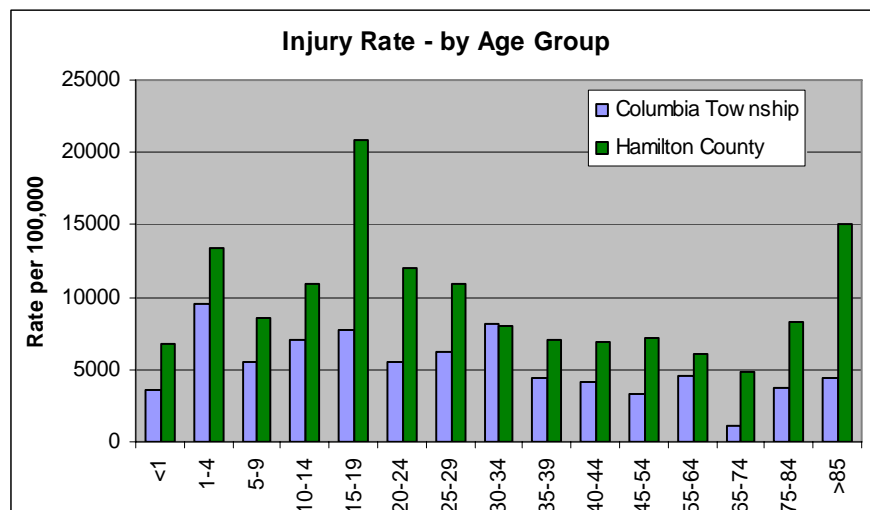
Injury is one of Hamilton County's most pressing health issues; particularly because these are largely preventable and predictable events. Injuries are described by mechanism – or what caused the injury – which includes categories such as falls and motor vehicle accidents. The top three mechanisms of injury for your community are Falls (205); Struck by, against (which includes injuries incurred during sports, fights, brawls or rapes) (134); and Motor vehicle related (80).

Injury by Age

Injury rates and the mechanism of injury vary by age group. Age-specific injury rates and the main types of injury for children, adults and senior adults in 2006 - 2007 are described for your community in **Figure 1**.

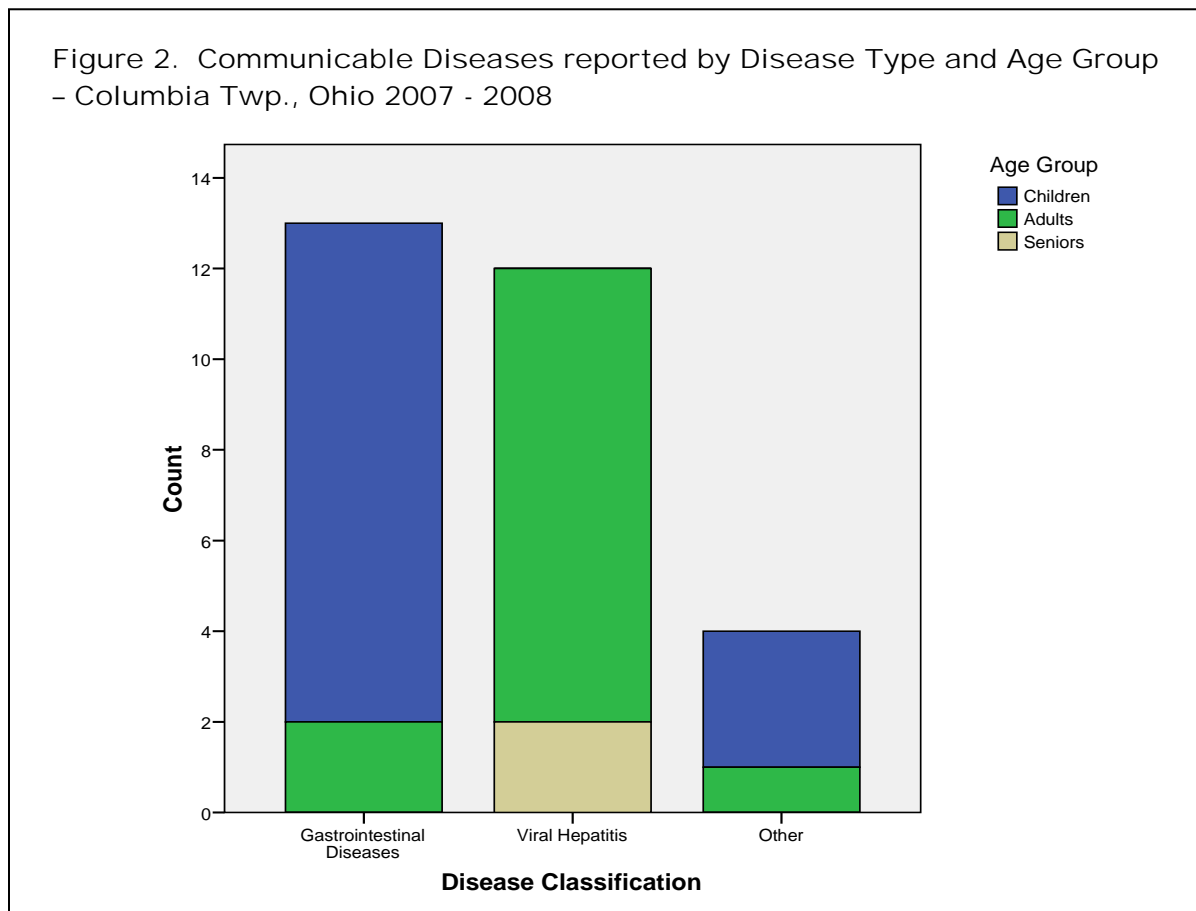
- **Children and Youth:** Most common injuries were falls and struck by, against.
- Falls were most common for both **adults and seniors**.

Figure 1. Injury in Columbia Twp., Ohio - 2006 - 2007



Communicable Disease

Communicable diseases are caused by several types of infectious agents that can be spread to humans and, therefore, present a large public health threat. These germs often cause serious illnesses and some have the potential to comprise our food/water supplies, resulting in outbreaks. Traditionally, communicable diseases are transmitted by person-to-person contact, contaminated food or water, and/or contact with insects and animals that harbor disease. Hamilton County Public Health tracks these diseases daily in order to investigate sources of infection, detect trends, educate the public and implement control measures, and policies to prevent spread. Below is an overview of the communicable diseases that affected your community during the years of 2007 - 2008 (**Figure 2**).



Communicable Disease Types

Disease Type is comprised of diseases that normally fall into one of the following four categories.

- Gastrointestinal Diseases: Relating to the stomach and intestines
- Viral Hepatitis: Any of various forms of hepatitis caused by a virus including hepatitis A, B and C.
- Animal/Vector-borne Diseases: From an organism such as a mosquito, tick or animal that carries disease-causing agents
- All Other Diseases

Disease type was omitted for categories with no reports.

The following age groups are reported:

- Children (<18 years)
- Adults (19-65 years)
- Seniors (>65 years)

Age groups were omitted in groups with no reports.

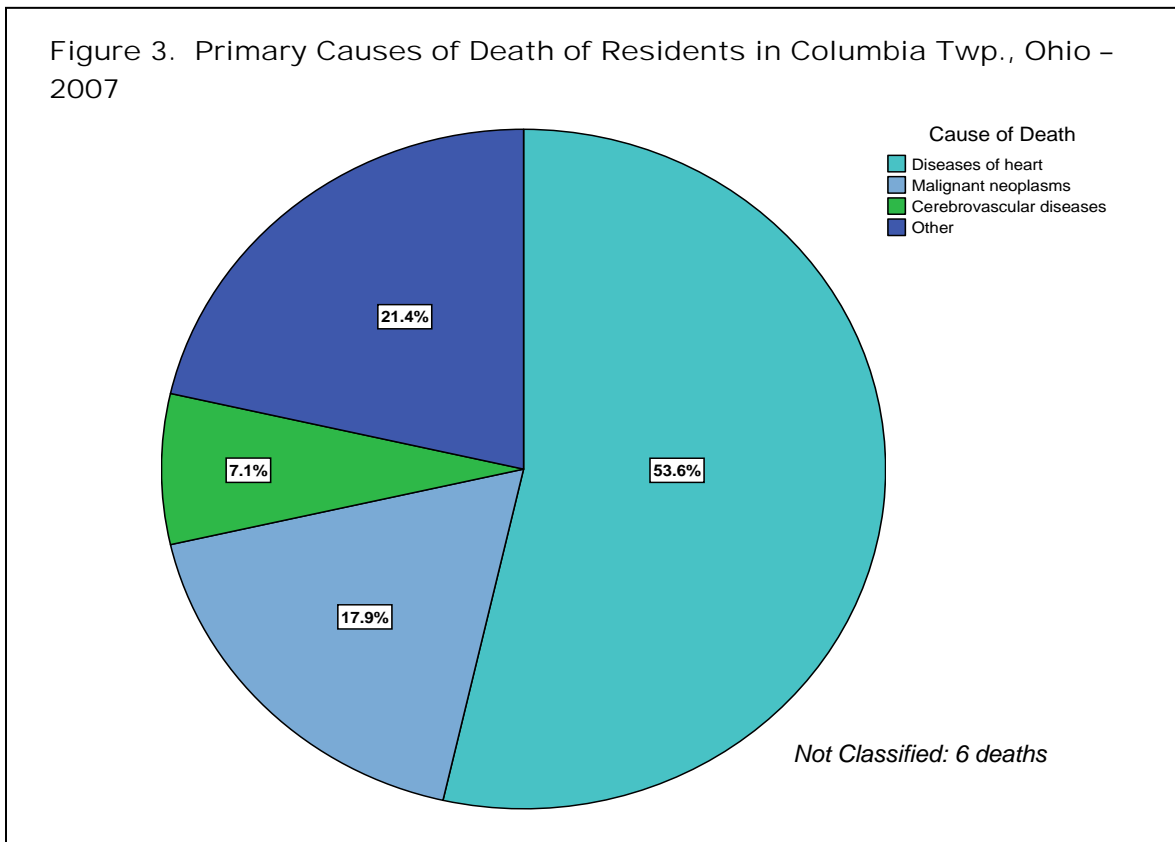
Mortality

The health issues facing a community are often reflected in local mortality rates and primary causes of death. The overall mortality rate for your community is shown in **Table 2** below; rates for Hamilton County, Ohio and the United States are provided for comparison. Years of Potential Life Lost (YPLL), a measure of premature and possibly preventable death, is also included in **Table 2**. The YPLL is calculated by adding all years of life lost under the age of 75 in your community.

Table 2. Death Statistics in Columbia Twp., Hamilton County, Ohio and the United States – 2007

	†Columbia Township	Hamilton County*	Ohio*	US***
Number of Deaths	34	7,710	106,133	2,448,017
†Death rate (per 1000 residents)	7	9.2	9.3	8.3
Age-Adjusted Death Rate	9	8.0	8.3	8.0
Years of Potential Life Lost	279	-	-	-

Figure 3. Primary Causes of Death of Residents in Columbia Twp., Ohio – 2007



*Ohio Department of Health Information Warehouse

**2006 National Vital Statistics System, DHS, CDC, NCHS - data are preliminary

***2005 National Vital Statistics System, DHS, CDC, NCHS

†Rates derived from less than 20 events are considered unstable and not suitable for statistical comparison.

Percentages are rounded to the nearest one-tenth.