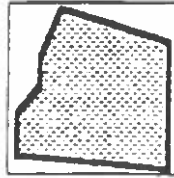
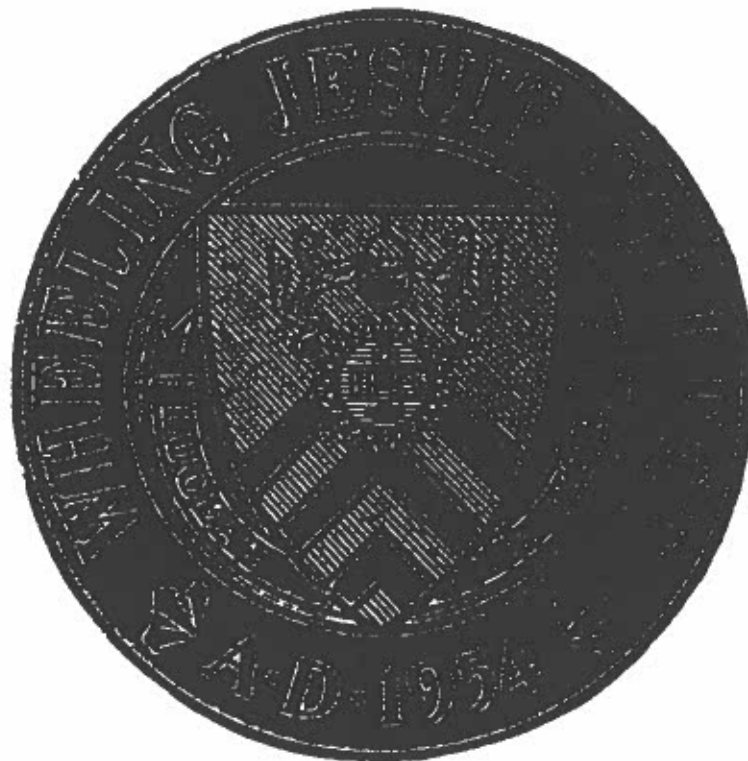


HEALTH PROFILE OF OHIO COUNTY



1995 - 1996



OHIO COUNTY

P.A.T.C.H.

Planned Approach To Community Health

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INTRODUCTION

In the summer of 1985, Ohio County Planned Approach to Community Health (PATCH) was established by the Wheeling-Ohio County Health Department and the West Virginia Department of Health. During the summer of 1986, a community opinion survey was conducted as well as a local Behavioral Risk Factor Survey (BRFS) by the Wheeling-Ohio County Health Department, West Liberty State College, Junior Women's Club, Visiting Nurse's Association, and Wheeling College.

The results of the community opinion survey listed concerns for Alcohol Abuse, Stress, increasing Teen Pregnancy, and Drugs. The results were compiled from a random telephone survey in which 418 Ohio County residents answered questions concerning their everyday health behavior practices. This survey was a "key leader" opinion survey of professionals from Health care, Clergy, Business, and Human Services. The results from the BRFS indicated the following community concerns.

- One out of 2 persons were not using Seat belts.
- 20% reported having been told at least once they had high blood pressure by age 65.
- 50% responded to having high blood pressure.
- 30% of those surveyed were smokers.
- 8% were current users of smokeless tobacco.
- One out of every 10 males, ages 18-34, reported drinking and driving.
- 30% of the males interviewed and 19% of females interviewed were considered obese, an average of 24% of the population.
- Other concerns were lack of health insurance coverage.

In summary, over 50% of those interviewed were at risk from Heart Disease, Stroke, Diabetes, and High Blood Pressure due to obesity and a sedentary lifestyle. The result of the survey represented an overview or "Health Profile" of Ohio County in 1986. The 1996 Ohio County Health Profile attempts to provide a picture of the health and social well being of Ohio County and its residents 10 years later. In the Fall of 1996, Ohio County PATCH and Wheeling Jesuit University will conduct a Community Health Needs Assessment of Ohio County. This survey will provide data on the current health and lifestyles of Ohio County.

Data for this profile were compiled by the Wheeling Jesuit University, Department of Nursing, Senior Level students. Students gathered the information from local, county, state and federal sources throughout Ohio County and West Virginia. The information and data were compiled for use by residents, business, and organizations in planning and developing projects for Ohio County.

DEMOGRAPHICS

• Geography

Ohio County lies on the banks of the Ohio River and in the foothills of the Appalachian Mountains. Ohio County was formed in 1776 and named for the county's principal river, the Ohio. There are 108.9 square miles in Ohio County and the City of Wheeling is 673 feet above sea level. Nearby Metropolitan cities are Pittsburgh, PA (57 miles), Columbus, OH (130 miles), and Cleveland, OH (136 miles).

• Census

Between 1983 and 1993, West Virginia's population fell by 6.5 percent. Over the same period, Ohio County's population decreased by 14.9 percent. (The Economic Impact for the Health Industry on West Virginia's Counties, 1996) The census for Ohio County in 1990 is listed below; the projected census for Ohio County in 1995 is 49,865.

Population Distribution of Ohio County by Age and Sex.

Age	Total	Male	Female	Age	Total	Male	Female
All ages	50,871	23,648	27,223	20 - 29	6,471	3,114	3,357
Under 1	495	245	250	30 - 39	7,719	3,734	3,985
1 - 4	2,477	1,277	1,200	40 - 49	6,095	2,981	3,114
5 - 9	3,106	1,560	1,546	50 - 59	4,908	2,235	2,673
10 - 14	3,132	1,633	1,499	60 - 64	3,005	1,337	1,668
15 - 19	3,845	1,919	1,926	65 +	9,618	3,613	6,005

(Source: Census of Population and Housing, 1990)

Located in Ohio County, Wheeling is the third largest city in the state of West Virginia. The population of Wheeling in 1990 was 34,882, and in 1994 was 33,969. This represented a 2.6 percent drop in population. West Virginia and Ohio County have aging populations which affect health care in several ways. In 1990, Ohio County's 65 and older population represented almost 19% of the total county population, ranking the county first in the state for 65 and older citizens. In West Virginia, 14% of the total population is 65 and older. Below is a sample of populations from other areas.

Pennsylvania	12,052,410	Washington Co.	208,121	Ohio	10,847,115	Belmont Co.	71,074
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(Source: Pennsylvania Vital Statistics Annual Report, 1994; Ohio Vital Statistics, 1994)

Ohio County is an ethnically diverse county with the majority of ancestry backgrounds in European culture. German, Irish, English, Italian, and Polish are the major ethnic backgrounds for many Ohio County residents. While Ohio County has a distinct ethnic background, population by race in Ohio County is not as diverse. Races other than white comprised 3.6 percent of the total population in 1990 while the percent of the white population was 96. These percentages are comparable to the distribution of race in West Virginia in 1990. Below is a breakdown of the population of Ohio County by race.

Ohio County Population by Race

White	49,041
Black	1,517
American Indian/Eskimo	22
Chinese	56
Filipino	30
Japanese	21
Asian Indian	95
Other Asian	47
Hawaiian	13
Samoan	4
Other	25

(Source: Census of Population and Housing, 1990)

• **Employment**

Historically mining and manufacturing played a significant role in Ohio County. Over the past twenty years these industries declined and were replaced by health care, retail, banking, education, and recreation. In 1994, the major employer was the services sector (38.4%), followed by the trade sector (24%). Below is a listing of the major employers (150 or more employees) in Ohio County.

Major Employer in Ohio County

Firm - Organization	Product or Service	Number of Employees
Wheeling Hospital	Health Care	1,650
Wheeling Park Commission	Recreation	950
Ohio Valley Medical Center	Health Care	910
Ohio County School System	Public Education	792
Krogers (also Belmont & Marshall Cos.)	Retail Grocer	750
Northwood Health Systems	Mental Health Care	510
City of Wheeling	Local Government	430
Wesbanco (also Marshall & Wetzel Cos.)	Banking	444
Wheeling Jesuit College	Higher Education	375
Coronet Foods	Food Processing	350
Stone & Thomas	Department Store	350
West Liberty State College	Higher Education	298
Ogden Newspapers	Newspaper Publication	254
Mull Industries	Machine Shop	245
Peterson Hospital	Health Care	240
Wheeling Downs Racing	Greyhound Racing	230
Bell Atlantic	Telephone Communications	175

(Source: Bel-O-Mar Employer Survey, 1995)

In 1994, 4,584 people in Ohio County were employed in health care services (private and public sector health care employment). This accounted for 17.1 percent of the total employment in Ohio County for that year. The average annual wage paid to health care workers was \$25,171. This compares with an average annual wage of \$20,347 for all occupations. (The Economic Impact for the Health Industry on West Virginia's Counties, 1996)

The average number of unemployed citizens, ages 16 and over, in Ohio County was 1,643 in 1990. The unemployment rate for 1990 was 6.9%, compared to West Virginia's unemployment rate of 9.6% for the same year. (West Virginia Food Security Status Report, 1996)

Selected Income Breakdown for Ohio County

Median Household Income \$22,489	Median Family Income \$30,037	Per Capita Income \$12,348
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Source: Census of Population and Housing, 1990)

The average annual wage in Ohio County in 1994 was \$20,347 compared to West Virginia's average of \$22,955. The unemployment rate for Ohio County in 1995 was 4.9 percent while West Virginia's unemployment rate was 7.5%. (The Economic Impact for the Health Industry on West Virginia's Counties, 1996)

Poverty data for West Virginia presents an alarming picture. Forty-eight of West Virginia's 55 counties have an overall poverty rate that exceeds that of the United States.

Poverty in Ohio County and West Virginia, 1990 Census

Topic	Ohio County	West Virginia
Number of Residents Below the Poverty Line	7,332	345,093
Percent of Residents Below the Poverty Line	15.0	19.7
Number of Children Below the Poverty Line	2,278	115,073
Percent of Children Below the Poverty Line	20.8	26.2

(Source: West Virginia Food Security Status Report, 1996)

- **Housing**

Adequate housing in Ohio County is an important element in the health of a community. Forty-six percent of the homes/housing units in Ohio County were built before 1940. A growing health concern in the Ohio Valley is Childhood Lead Poisoning. Lead based paint and lead contaminated dust and soil remain the primary source of lead exposure in West Virginia. In 1978, the Consumer Product Safety Commission banned the manufacture of paint containing more than a minimal amount of lead on interior and exterior residential paint, toys, and furniture. Homes built prior to 1978 have the potential risk for contamination with lead based paint.

There are 23,229 housing units in Ohio County; of these 2,583 are vacant housing units and 20,646 are occupied housing units. Sixty-seven percent of the occupied housing units are occupied by the owner. Renters and lease occupied housing units total 6,876 in Ohio County. In Ohio County 1,236 mobile homes and trailers serve as housing units to county residents.

• **Public Transportation**

Ohio County is enhanced by its transportation network. Local highways are well developed and highly accessible. Interstate 70 is a major east to west route. West Virginia Route 2, between I-70 and I-470, carries approximately 19,000 vehicles per day and is the major north to south artery in the area.

In Ohio County there are over 380 miles of roadways. It is estimated that it could take as long as 40 to 45 minutes for residents from some rural areas of Ohio County to reach a health care facility. In spite of this highway system, transportation, especially for the elderly, is a problem in Ohio County.

Commuting to Work In Ohio County

Percentage of workers using public transportation	3.1%	Percent drive alone	72.2%
Percent in carpools	13.4%	Percent walking or working at home	10.6%
Mean Travel time to work	17.3 mins.	Other means	7%

(Source: Census of Population and Housing, 1990)

• **Marriages & Divorces**

The table below provides information on marriages and divorces by county of occurrence or decree for 1994. Over the last five years the number of marriages and divorces that have occurred in Ohio County has not had a considerable increase or decrease.

**1994 Marriages, Divorces, and Annulments
Number & Rate by County of Occurrence or Decree**

State / County	Marriages	Rate *	Divorces / Annulments	Rate *
West Virginia	11,957	6.6	** 9,203	5.0
Pennsylvania	75,703	6.3	40,049	3.3
Ohio***	88,796	8.2	****51,070	4.7
Ohio County	464	9.3	185	3.7
Washington County	1,211	5.8	675	3.2
Belmont County****	540	7.6	****348	4.9
United States	2,362,000	9.1	1,191,000	4.6

(Sources: West Virginia Vital Statistics, 1994; Pennsylvania Vital Statistics Annual Report, 1994; Ohio Vital Statistics Annual Report, 1993)

* Rate per 1,000 population based on 1994 populations

** Includes 26 Annulments

*** 1993 Data

****Includes Annulments and Dissolutions

The leading cause of death in the United States, West Virginia, and Ohio County is Heart Disease. Cancer is the second leading cause of death. There were approximately 4,700 West Virginians who died of cancer each year in 1993 and 1994. Lung cancer is the leading cause of cancer related deaths in West Virginia in 1993 - 1994. The greatest risk factor for cancer in West Virginia is tobacco use. (West Virginia Cancer Registry, June 1996)

• **Morbidity**

Communicable Disease Data are reported to the West Virginia Bureau for Public Health from laboratories, medical providers, and health care facilities in the state and from other state health departments. Providers and facilities are mandated by state law to submit reports. The data chart below list data that were reported for 1993, 1994, and 1995 in West Virginia and Ohio County.

Communicable Disease Data

Disease	West Virginia			Ohio County		
	Year	1993	1994	1995	1993	1994
Amebiasis	2	6	2	0	0	0
Aseptic Meningitis	56	39	135	0	0	4
Bact. Meningitis, other	35	28	32	1	2	2
Campylobacter	74	107	114	1	10	4
Encephalitis, Primary	117	51	90	0	0	0
Giardiasis	82	60	83	7	5	5
Haemophilus Influenza	10	7	11	0	0	0
Hepatitis A	29	23	24	0	1	0
Hepatitis B	44	48	53	2	2	1
Hepatitis NANB*	1	5	0	0	0	0
Hepatitis UNSPEC	0	0	1	0	0	0
Legionellosis	4	4	4	0	0	0
Lyme	***50	29	26	0	0	0
Malaria	2	0	4	0	0	0
Measles**	0	37	0	0	1	0
Meningococcal Dis.	19	14	10	0	0	1
Mumps	23	5	0	0	0	0
Pertussis	8	6	1	0	0	0
Rabies, Animal	90	84	116	0	0	0
Rabies, Human	0	1	0	0	0	0
Rocky Mtn. Sptd Fever	6	2	4	0	0	0
Rubella	0	0	0	0	0	0
Salmonellosis	109	152	169	2	5	11
Shigella	38	15	59	2	2	1
TB	75	80	71	1	3	2
Tetanus	0	0	1	0	0	0
Typhoid Fever	0	0	3	0	0	0
Yersiniosis	4	4	3	0	0	0
Chlamydia	1932	2532	2328	33	69	68
Gonorrhea	707	817	984	37	29	23
P & S Syphilis	8	10	13	1	0	0
TOTAL	3525	4166	4341	87	129	122

(Source: West Virginia Bureau for Public Health, WVDHHR)

* Hepatitis C Data is not included in Hepatitis NANB since case definition not in consistent use until mid 1995.

** West Virginia, 36 of 37 Measles cases reported in 1994 due to a single outbreak.

*** Includes several cases from prior years reported in 1993.

HIV/AIDS cases are reported from health care providers and laboratories to the West Virginia Bureau for Public Health, West Virginia Department of Health and Human Resources, as required by West Virginia State Law. HIV and AIDS cases are counted in the state where the individual resides at the time of diagnosis. Data on HIV/AIDS is only provided on a public health district level. Ohio County is located in District 6, which includes Hancock, Brooke, Marshall, Wetzel, and Tyler Counties.

HIV / AIDS Data

Age	HIV Cumulative 1/89 - 6/96				AIDS Cumulative 4/84 - 5/96			
	District 6		West Virginia		District 6		West Virginia	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
< 5			1	< 1	1	2	5	1
5-12					1	2	2	< 1
13-19			15	4			7	1
20-29	7	37	156	40	10	17	133	20
30-39	8	42	157	40	28	47	309	46
40-49	3	16	45	12	13	22	154	23
> 49	1	5	14	4	6	10	58	9
Sex								
Male	16	84	283	73	50	85	589	88
Female	3	16	105	27	9	15	79	12
Race								
White	16	84	233	60	56	95	546	82
Black	3	16	134	35	3	5	114	17
Hispanic			10	3			7	1
Not Specified			11	3			1	< 1
Total	19	100	388	100	59	100	668	100

(Source: West Virginia Bureau for Public Health, Health Statistics Center, 1996)

• Cancer Incidence

In 1993 and 1994, over 8,000 new cases of invasive cancers were diagnosed annually among West Virginia residents. The age-adjusted incidence rate of all primary cancers was 403.6 per 100,000 West Virginia men and 302.0 per 100,000 women. The most commonly diagnosed cancer among West Virginia men was cancer of the prostate (107 per 100,000), while the most commonly diagnosed cancer among West Virginia women was cancer of the breast (89.6 per 100,000). Among both West Virginia men and women, the second most commonly diagnosed cancer was cancer of the lung and bronchus; the

third most commonly diagnosed was cancer of the colon. (West Virginia Cancer Registry, June 1996)
 The following tables list cancer cases in West Virginia, Ohio County, and the United States.

Female Breast Cancer Cases, 1991 & 1992

Ohio County	1991	1992	West Virginia	1991	1992	United States*	1991	1992
Breast Cancer	47	61	Breast Cancer	1103	1155	Breast Cancer	175,000	180,000

(Source: West Virginia Cancer Registry & *American Cancer Society, 1991, 1992)

Male & Female New Cancer Cases by Type, 1993

Ohio County	M	F	West Virginia	Male/Female	United States*	Male/Female
Breast Cancer		54	Breast Cancer	F 1189	Breast Cancer	183,000
Prostate Cancer	47		Prostate Cancer	M 1185	Prostate	M 165,000
Lung Cancer	35	20	Lung Cancer	1509	Lung Cancer	170,000
Colon Cancer	19	9	Colon Cancer	785	Colon/Rectum Cancer	152,000
Urinary Cancer	13	6	Urinary Cancer	435	Urinary/Kidney Cancer	79,500
Rectum Cancer	10	14	Rectum Cancer	288	Oral Cancer	29,800
Larynx Cancer	9	2	Oral/Pharynx Cancer	189	Non-Hodgkin's	43,000
Kidney Cancer	6	5	Kidney Cancer	193	Uterus Cancer **	F 44,500
Non-Hodgkin's	5	2	Non-Hodgkin's	280	Pancreas Cancer	27,700
Uterian Cancer		6	Uterian Cancer	F 238		
Pancreas Cancer	4	5	Cervical Cancer	F 133		
			Pancreas Cancer	152		

(Source: West Virginia Cancer Registry & *American Cancer Society, 1993)
 (**Cervix Uteri, Corpus & Unspecified)

Male & Female New Cancer Cases by Type, 1994

Ohio County	M	F	West Virginia	Male/Female	United States*	Male/Female
Breast Cancer		55	Breast Cancer	F 1115	Breast Cancer	183,000
Prostate Cancer	1		Prostate Cancer	M 1134	Prostate	M 200,000
Lung Cancer	57	38	Lung Cancer	1545	Lung Cancer	172,000
Colon Cancer	32	13	Colon Cancer	747	Colon/Rectum Cancer	149,000
Urinary Cancer	15	4	Urinary Cancer	401	Urinary/Kidney Cancer	78,800
Rectum Cancer	10	6	Rectum Cancer	313	Oral Cancer	29,600
Larynx Cancer	8		Oral/Pharynx Cancer	184	Non-Hodgkin's	45,000
Kidney Cancer		6	Kidney Cancer	171	Uterus Cancer **	F 46,000
Non-Hodgkin's	7		Non-Hodgkin's	279	Pancreas Cancer	27,700
Uterian Cancer		6	Uterian Cancer	F 245		
Cervical Cancer		8	Cervical Cancer	F 121		
Pancreas Cancer		14	Pancreas Cancer	151		

(Source: West Virginia Cancer Registry & *American Cancer Society, 1993)
 (**Cervix Uteri, Corpus & Unspecified)

• **Tobacco Use**

The following tables present data on Ohio County smoking rates, deaths due to smoking and the economic costs of smoking. Because more than 1 in 4 West Virginians smoke, West Virginia has the highest prevalence in the United States of smokers over the age of 15. The table below provides data on smoking in Ohio County.

Selected Smoking Statistics for Ohio County

Smoking Prevalence	Deaths due to smoking	Economic impact of smoking
27.7%	15 th	Distributed Economic Cost:
	Percent of Total Deaths: 22.6%	\$20,201,120.00
County Rank*: 15	County Rank*: 13	Cost per capita: \$397.00

(Source: WVBPH, 1993) *Worst 1; Best 32

West Virginia ranks third in Smoking prevalence in the United States. In 1993, almost 28% of the state's population smoked. Of the total deaths in West Virginia in 1993 (19,706) 21.5% or 4,243 were due to smoking. The distributed economic cost of smoking in West Virginia was \$546,602,633, in 1993. (Source: WVBPH, 1993)

Nationally, the Centers for Disease Control and Prevention's (CDC) *Morbidity and Mortality Weekly Report*, of May 24, 1996, released the below statistics regarding the tobacco use and source of cigarettes among High School Students in the United States for 1995.

- Cigarette smoking increased from 27.5% in 1991 to 34.8% in 1995 among high school students (grades 9-12)
- Smoking rates among African American male students nearly doubled from 14.1% to 27.8% between 1991 and 1995.
- About 57% of students in grades 9-12 usually bought their cigarettes from a store, from a vending machine, or by giving someone else money to purchase cigarettes for them.
- 3 out of 4 high school students were not asked to show proof of age when buying cigarettes in a store in the 30 days preceding the survey.

HEALTH CARE SERVICES

• Physicians

In West Virginia there are 3,039 practicing MD's and 313 practicing DO's. The following table describes actively practicing MD's and DO's in Ohio County. The selected data is from 1994 WV Board of Osteopathy and WV Board of Medicine.

Selected Primary Care Specialties in Ohio County

	Family Practice	General Practice	Gynecology	Internal Medicine	Obstetrics & Gynecology	Pediatrics	Other Specialties	Total
MD	22	3	3	25	8	11	139	211
DO		11	3				-	21

(Source: "Physicians In West Virginia, WVBPH, 1994)

In 1981, the West Virginia Department of Health listed 266 practicing M.D.'s for Ohio, Marshall, and Wetzel Counties and only 6 licensed D.O.s. At that time 18% of the Medical Doctors were in Family Practice compared to only 10% in 1994.

In West Virginia there is a shortage of primary care physicians. Statewide the ratio of primary care physicians (MD's) to the population is 1:1320. Nationally the primary care physician/population ration (MD's) is 1:1137. If osteopaths are included, the primary care physician/population ration in West Virginia is 1:1135. In Ohio County the ratio of Primary Care Physicians (MD's) to the population is 1:579. (Source: West Virginia University, Office of Health Services Research, 1996)

• Health Care Professionals

Selected Health Care Professionals in Ohio County

Profession	Number
Dentists	45 (approx)
Dental Hygienists	65 (approx)
Licensed Practical Nurses	285 Employed 135 Residing

Profession	Number
Physician Assistants	18 Practicing
Podiatrists	4 Practicing
Registered Nurses	114 Employed 768 Residing

(Source: WV Board of Dental/RN/LPN Examiners & WVU Office of Health Service Research)

Ohio County has an active Emergency Medical Service community. 1996 figures list Ohio County as having 25 active ambulances operating within the county. The boxes below provides additional information on other emergency services.

Emergency Health Services for Ohio County

Fire Departments		EMS Services	Ambulance Services
Bethlehem VFD	Valley Grove VFD	Paramedics 75 (Active)	Mets Ambulance Service
Clearview VFD	West Liberty VFD	Emergency Medical Technicians	Tri State Ambulance Service
Triadelphia VFD	Wheeling Fire Dept.	157 (Active)	
Stone Church VFD		Trauma Centers 2 (Level 2)	

(Source: Region 10-11 EMS Office, 1996)

- **Hospitals & Clinics**

Ohio County has two acute care hospitals. Ohio Valley Medical Center which has 200 Beds and Wheeling Hospital which has 276 beds. Both hospitals are level 2 Trauma Centers and are JCAHO accredited. The West Virginia Health Care Cost Review Authority list 62 hospitals in West Virginia. The Wheeling - Ohio County Health Department provides public health care to Ohio County residents. Two other clinics, Wheeling Health Right, Inc. and the Wheeling Clinic Inc. also provide health care services to area residents.

- **Other Licensed / Certified Health Care Facilities**

Care for elderly and medically needy in Ohio County has increased the number of health care nursing and care facilities. The table below lists facilities which are licensed or certified by the Office of Health Facility Licensure and Certification, WVDHHR. Several of the listings reflect one facility.

Type of Facility and Numbers

Licensed Nursing Homes	2	Personal Care Homes	5
Physical Therapists in Independent Practice	2	Licensed Rehabilitation Hospitals	1
End Stage Renal Dialysis Facilities	1	Cert. Intern. Care Facilities for the Mentally Retarded	5
Licensed Hospice Programs	1	Licensed Behavioral Health Centers	11
Certified Home Health Agencies	5	Long Term Care Units of Hospital	1

(Source: Office of Health Facility Licensure and Certification, WVDHHR, 1996)

MATERNAL, CHILD HEALTH & EDUCATION

• Birth

The number of births in Ohio County continues to decline. In 1994 there were 560 births to Ohio County residents and a total of 1,628 births in Ohio County. Of the 560 births, 29 were Low Birth Weight Infants. In comparison, there were 2,253 live births to Washington County, Pennsylvania, residents and 767 live births to Belmont County, Ohio, residents in 1994.

Age of Mother and Number of Births in Ohio County

Age	10-14	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45-over	Total
Number	1	43	60	135	147	111	54	9	0	560

(Source: WVBPH, 1994)

Teen Birth Information for Ohio County

Teen Birth Rate (ages 15-19 per 1,000 females)	23.4	Percent births to unmarried teens (ages 10-19)	98%
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(Source: WV Kids Count Data Book, 1995)

Place of Delivery, Gender of Child by Race of Mother, and Births to Unwed Mothers in Ohio County

Place of Delivery		White		Black		Other		Number of Births to Unmarried Mothers
Hospital	Other	Male	Female	Male	Female	Male	Female	
559	1	270	251	21	9	4	5	208

(Source: WVBPH, 1994) *All ages

Pregnancy Risk Factors Percent for Ohio County

Alcohol Use	Tobacco Use	1 or More Medical Risk Factors
4.3%	24.1%	28.2%

(Source: WVBPH, 1994)

• **Child Health**

**Selected Facts and Data on Child Health and Other Information
for children in Ohio County**

Infant Mortality Rate (per 1,000 live births)	Child death rate (ages 1-14 per 100,000 children)	Percent high school dropouts	Teen injury death rate (ages 15-19 per 100,000 teens)
55	25.6	60%	44.1

(Source: WV Kids Count Data Book, 1995)

The Tables below provide data on programs in Ohio County that service children and families that are in need. State wide the WIC program reaches 74.5% of children and 47.3% of infants who are eligible. In West Virginia 5.9% of the population participate in either AFDC or AFDC-U. The West Virginia Food Stamp program reaches 17.3% of the states population, with the majority being the working poor.

Supplemental Food Program for Women, Infants and Children (WIC), December 1995

	Total Eligible	Actual Participants	Percent Participating
Total	2,358	1,175	49.8
Women	791	268	33.9
Infants	760	288	37.9
Children	807	619	76.7

(Source: West Virginia Security Status Report, 1996)

Aid To Families with Dependent Children (AFDC & AFDC-U), 1995

Average Monthly Total	2,244	Average Monthly AFDC Benefit Per Person	\$87.28
Adults	764	Average Monthly AFDC-U Benefit Per Person	\$69.38
Children	1,480	Percent of Population	4.5

(Source: West Virginia Security Status Report, 1996)

Food Stamp Program, 1995

Topic	AFDC	Non-AFDC	Total
Average Monthly Number of Cases	814	2,037	2,850
Average Monthly Stamps Per Case	\$263.07	\$117.18	\$158.82
Average Monthly Recipients	2,599	3,809	6,407
Average Monthly Stamps Per Recipient	\$82.36	\$62.66	\$70.65
Percent of Total Population	5.2	7.6	12.8

(Source: West Virginia Security Status Report, 1996)

• **Education**

Education enrollment and attainment for Ohio County

Total Persons enrolled in school	12,437
Enrolled in Preprimary School	851
Enrolled in Elementary or High School Percent in Private School	7,640 20.9%
Enrolled in College	3,946
Less than a 9th grade education	3,780
9th - 12th no diploma	4,805
High School graduate	12,544
Some College, no degree	5,324
Associates Degree	1,661
Bachelor's Degree	3,917
Graduate or Professional Degree	2,441
Percent high school graduate or higher	75.1%
Percent Bachelor's Degree or higher	18.4%

(Source: Census of Population and Housing, 1990)

Type of Schools in Ohio County & Number of Students

College	Public	Parochial	Private
Wheeling Jesuit University	1402	1 Senior High School 1867	2 Senior High Schools 536 Wheeling Country Day School 133
West Liberty State College	2302	4 Junior High Schools 1442	8 Elementary Schools 1664 Mount de Chantal Academy 190
West Virginia Business College	100	11 Elementary Schools 1500	Linsly School 420
WVNCC (Wheeling Campus)	1586	Licensed Day Care Centers in Ohio County: 17. School Health Services in Ohio County Public Schools. 4 Public School Nurses 1 Public Health/School Dental Clinic (Children's Clinic)	
WVU (Graduate Center)	1500		

Average Daily Participation (ADP) in School Meals for Ohio County and West Virginia

County/State	School Breakfast		School Lunch		Summer Food Service Program	
	ADP %	Rank *	ADP %	Rank *	ADP %	Rank *
Ohio County	11.9	53	42.9	54	8.8	32
West Virginia	23.0		56.3		15.8	

*Rank: Lowest participation 55, highest participation 1
 (Source: West Virginia Security Status Report, 1996)

School Meal Programs in Ohio County

School Breakfast Program (School Year 1994-1995)

	Enrolled	Average Daily Participation	ADP Rate
Total	6,271	747	11.9
Free	1,864	576	30.9
Reduced	181	22	12.2
Paid	4,226	149	3.5
Percent Needy (Qualifying for free & reduced priced meals):			34.2%
Percent of children participating in F & RP breakfast who also participate in F & RP lunch:			45.2%
Number of schools:			15

(Source: West Virginia Security Status Report, 1996)

School Lunch Program (School Year 1994-1995)

	Enrolled	Average Daily Participation	ADP Rate
Total	6,271	2,692	42.9
Free	1,864	1,245	66.8
Reduced	181	78	43.1
Paid	4,226	1,369	32.4
Percent Needy (Qualifying for free & reduced priced meals):			34.2%
Number of schools:			15

(Source: West Virginia Security Status Report, 1996)

VIOLENCE

Violence in Ohio County plays an important role in the social and physical health of the community. Ohio County ranks 5th in the 1993 West Virginia crime rate. In West Virginia crime has decreased, and West Virginia is below the national norms in street violence and other crime rates.

Street Violence in Ohio County

Criminal Homicide - Murder	1	Breaking & Entering	462
Forcible Rape	16	Larceny - Theft	668
Robbery	57	Motor Vehicle Theft	105
Felonious Assault	120	Total Offenses	1,429

(Source: Uniform Crime Report, 1993 WVDPS)

Arrests

FELONIES CRIMES

Criminal Murder	3
Homicide	0
Forcible Rape	5
Robbery	14
Aggravated Assault	61
Burglary	42
Larceny	125
Auto Theft	34
Juvenile Arrests	75
Adults Arrests	209
Total	284

PROPERTY CRIMES

All other Assaults	156	Family Offenses	6
Arson	1	Driving under the Influence	210
Forgery	7	Liquor violations	12
Fraud	37	Drunkenness	86
Embezzlement	3	Disorderly Conduct	125
Stolen Property	23	Vagrancy	0
Vandalism	62	Other Offenses	212
Illegal Weapons	48	Suspicion	0
Commercial Crimes	4	Curfew Loiter	41
Sex Offenses	16	Runaways	41
Narcotic and Drug	59	Juvenile Arrests	190
Gambling	0	Adult Arrests	959
		Total	1,149

(Source: Uniform Crime Report, 1993 WVDPS)

West Virginia ranks first in the nation in the number of reported domestic violence crimes. (YWCA Family Violence Prevention Program) The series of tables below lists data on Domestic Violence in Ohio County reported by the West Virginia Department of Public Safety for 1993.

Domestic Violence Ohio County

Total Complaints 209	Total Investigations 202	Prior Complaints 118	Probation Violations 7
Complaint Information			
Male 25	Female 180	Victim 197	Repeat 51
Extent Of Abuse			
Simple Assault 142	Felony Assault 20	Homicide 1	Other 41
Action Taken			
Arrest 40	Referral 138	Other 40	

(Source: Uniform Crime Report, 1993 WVDPS)

The YWCA Family Violence Prevention Program provided unduplicated data on domestic violence for residents of Brooke, Ohio, and Marshall Counties. This provides a limited comparison on domestic violence in the Northern Panhandle.

Domestic Violence for Brooke, Ohio, and Marshall Counties by sex, maturity, and receiving shelter from 1993-1995

County	Number of Clients	Sex		Adult Children		Number receiving Shelter
		M	F	Adult	Children	
Brooke	79	5	74	65	14	13
Ohio	623	79	544	440	183	43
Marshall	273	36	237	212	61	61

(Source: YWCA Family Violence Prevention Program, 1996)

PUBLIC RECREATION AND MISCELLANEOUS SERVICES

Recreational Facilities

Auditoriums	1	Swimming Pools	6	Parks	2	Golf Courses	7
Baseball/Softball Fields	13	Country Clubs	2	Stadiums	1	Playgrounds	36
Basketball Courts		Tennis Courts		Capacity		Theaters	
Indoor	3	Indoor	0	10,000		Indoor	0
Outdoor	0	Outdoor	11	Lighted		Outdoor	11

(Source: West Virginia County Profiles, West Virginia Bureau of Employment Programs, 1996)

Libraries

Number	2	Total Volumes	124,142
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(Source: West Virginia County Profiles, West Virginia Bureau of Employment Programs, 1996)

Communications and Utilities Services

Newspapers	3	TV Stations	1	Cellular Telephone Service	Yes	Electricity	Yes
Radio Stations	10	Telephone Service	Yes	Telegraph Service	Yes	Natural Gas	Yes

(Source: West Virginia County Profiles, West Virginia Bureau of Employment Programs, 1996)

Financial Institutions

Banks (Number Including Branches)	20	Savings & Loans Associations (Number Including Branches)	4
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(Source: West Virginia County Profiles, West Virginia Bureau of Employment Programs, 1996)

ENVIRONMENTAL ISSUES

- **Hazardous Waste**

The West Virginia Environmental Protection Agency lists 166 organizations in Ohio County that generate large quantities of hazardous waste. Since disposal of waste is subject to federal and state regulations, each organization has registered with the United States Environment Protection Agency (U.S. EPA) as a producer of such wastes.

(WV EPA, 1995)

- **Pollution** (Hazardous Waste Sites, Spills)

The West Virginia Environmental Protection Agency provided a listing of emergency and remedial responses by the U.S. EPA on hazardous waste accidents in West Virginia. The listing identifies 534 state wide responses over the last ten years. Twenty-six of the responses were in Ohio County.

These incidents ranged from barges sinking in the Ohio River, to sewer contamination and acid spills. Longer lasting situations such as lead contaminations were also identified. The U.S. EPA lists 6 sites as Priority List Hazardous Waste sites in West Virginia under the Superfund Program. There are no sites in Ohio County. (US EPA, 1995)

Historically, the Ohio Valley has been a major mining and manufacturing area. Recently, industry has been replaced by health care, retailing, banking, education, and recreation. Air quality had improved in recent years. The West Virginia Pollution Control Commission responded that air quality in Ohio County is good to moderate. There were no recorded days of unhealthy readings from October, 1994 through October, 1995. During the summer months, an increase in ozone levels resulted in higher moderate air quality readings for Ohio County.

• **Soil Pollution**

Soil pollution in Ohio County is a threat to public and private water supplies. The table below summarizes potential agriculture pollution sources in the Northern Panhandle of West Virginia.

Agriculture Pollution in the Northern Panhandle of West Virginia

SOURCE	QUANTITY
Cropland	1,475 acres
Permanent Pasture	2,165 acres
Permanent Hayland	155 acres
Orchards	5 acres
Farm Roads	528,190 feet
Other Farmland	105 acres
Streambank Erosion	993,405 feet
Feedlots	2
Dairy Farms	78
Swine Farms	3
Poultry Farms	2
Barnyards	88
Land Disposal (No-Agricultural wastes)	114 acres
Fertilizer runoff	26 acres

(Source: WV State Soil Conservation, DNR)

The West Virginia Department of Environmental Protection, Office of Waste Management, has identified 166 locations containing underground storage tanks in Ohio County. Of these locations, 47 are known to be active or inactive leaking underground storage tanks. These are actual or potential sources of land or water pollution. (WV Dept. of Environmental Protection, 1995)

• **Water & Sewage**

The single most widespread drinking water problem in the United States is contamination from byproducts of the disinfection process, such as chloroform, that may cause cancer. Lead contamination is another major problem for public water supplies. The EPA has found that more than 800 cities exceeded the lead action level established under the Safe Drinking Water Act. In Ohio County, water service is provided primarily through municipal systems or public service districts. The water is reported to be of high quality. (Bel-O-Mar EZ/EC Initiative, 1994)

Sources of Water in Ohio County

Public system or private company	22,207
Individual drilled well	624
Individual dug well	69
Some other source	329

(Source: Census of Population and Housing, 1990)

Sewage Disposal in Ohio County

Public Sewer	20,704
Septic tank or cesspool	2,359
Other means	166

Sewage disposal in Ohio County is serviced through a modern secondary sewage disposal plant, operated by the City of Wheeling. Municipal sewage treatment systems exist in all of the incorporated communities in the Wheeling area, except for the small communities of Clearview, Valley Grove, and West Liberty. Sewage systems serve 75% of the Ohio County area's population.

(Bel-O-Mar EZ/EC Initiative, 1994)

- **Recycling/Other**

Other environmental issues that face Ohio County's health are disposing of solid waste and recycling. On the average, one of every six bags of garbage (16 percent) put out for collection is yard waste. (West Virginia Solid Waste Management Board) In Ohio County, there is one licensed private land fill. Currently 29 groups participate in the Adopt a Highway Program in Ohio County. The table below list Recycling Drop Off locations in Ohio County and surrounding communities.

Recycling Drop Off Locations

LOCATION	ACCEPTED MATERIALS
Jochum Truck Service Wheeling	Newspaper, Cardboard, Magazines, Mixed Paper, Plastic Milk Jugs & Two Liter Bottles
Ohio County Solid Waste Authority Wheeling	Newspaper, Cardboard, Plastic Milk Jugs & Two Liter Bottles
Strauss Industries Wheeling / Benwood	Aluminum & Steel Cans, Non-ferrous Scrap, Ferrous Scrap, White Goods (appliances & cars)
WATCH Wheeling	Aluminum Cans
Quigley Fur & Root Wheeling	Aluminum Cans, Non-ferrous Scrap
Rine Recycling Moundsville	Aluminum & Steel Cans, Clear & Brown Glass
Ohio Valley Recycling Martins Ferry, Ohio	Cardboard, Newspaper, Aluminum & Steel Cans, Glass: Clear, Brown & Green (separated), Plastic Milk Jugs & Two Liter Bottles

(Ohio County Solid Waste Authority, 1996)

Special Topic: HOMELESSNESS

In West Virginia, homeless statistics are often difficult to determine. In terms of health concerns and problems, homeless individuals are at greater risk for developing health problems. In the United States, 13.5 million Americans have been homeless at some point in their lives. The Wheeling Coalition for the Homeless provided unduplicated statistical information on Homelessness in the greater Wheeling area for 1995.

Homeless Statistics for Ohio County

Age Group	Number
0 to 15	328
16 to 21	81
22 to 59	521
60 to 64	19
65 to 84	6

Race	Number
White	714
Black	240
Hispanic	1

Sex	Number
Female	325
Male	489
No Data	141

Category	Number
Total Person Served	955
Handicapped Cases	224
Total Number of Children	328

Category	Number
Total Number of Adults (Includes Singles)	627
Total Number of Families	157

(Source: Greater Wheeling Coalition for the Homeless, WVDHHR, 1995)

APPENDICES

• Definitions

- Live Birth: A live birth is the complete expulsion or extraction from its mother of a product of conception, irrespective of the duration of pregnancy, which, after such separation, breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.
- Birthweight: A weight of the fetus or infant at the time of delivery.
- Low Birthweight: A weight at birth of under 2,500 grams, or 5 lbs., 8oz.
- Cause of Death: The underlying cause of death, or that condition giving rise to the chain of events leading to death.
- Fetal Death: Death prior to the complete expulsion or extraction from its mother of a product of conception, having passed through at least the twentieth week of gestation; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.
- Infant Death: Death occurring to an individual of less than one year of age.
- Resident Data: Compiled, per usual residence, regardless of the geographical place where the event occurred.
- Occurrence Data: Data compiled as to the geographical place the event occurred without regard to the actual residence.

• Calculations

- Rate: Number of cases or events occurring during a given time period per 10^a population at risk during the same time period.
- Birth Rate (Crude): Number of live births per 10^a population.
- Death Rate (Crude): Number of death per 10^a population.
- Fetal Death Rate: Number of fetal deaths per number of live births.
- Infant Death Rate: Number of infant deaths per number of live births.
- Incidence Rate: New cases occurring during a given time period per 10^a population at risk during the same time period.
- Child Death Rate: Number of deaths due to all causes of children between the ages of 1-14 years per 10^a children.
- Infant Mortality Rate: Number of deaths of infants under one year of age per 10^a live births.
- Teen Birth Rate: Number of live births to teen ages 15-19 per 10^a females ages 15-19 years.
- Teen Injury Death Rate: Number of deaths from homicides, suicides and unintentional injuries to teens ages 15-19 years per 10^a teens.

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