

Livingston County Chartbook 2004



A publication of the Livingston County Health Department, Spring 2005

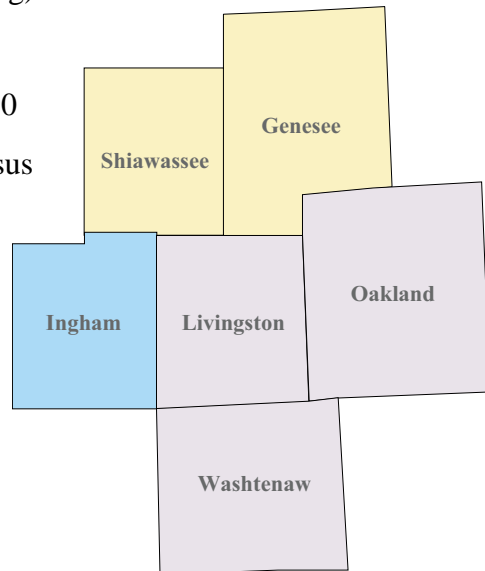
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Community Profile

Located in Southeast Michigan, Livingston County is bordered by Washtenaw County (Ann Arbor) to the South and Genesee County (Flint) and Shiawasee County to the North. It is bordered by Oakland County on the East and Ingham County (Lansing) on the West. Livingston County is the Michigan's fastest growing county, recording a 36% growth in population between 1990 and 2000. The 156,951 residents recorded in the 2000 Census are projected to grow to 300,000 by 2030.

Livingston is also the wealthiest county in the state of Michigan. Livingston residents recorded the highest median household income \$67,400 within the state during the last census.



The county encompasses a land area of 568 square miles that includes a blend of suburban and rural settings. Notably, Livingston County has 50 natural lakes. The county also is home to 20,000 acres of parkland located in 10 parks. In addition to local parks, there are four state parks/recreation areas and two Metroparks in Livingston County. Livingston County also has a nationally recognized skate park.

During the last 30 years, Livingston County has changed from a rural community to a suburban community. Between 1982 and 1997 the number of farms and acreage of land being farmed both decreased nearly 30%.

Located between Detroit and Lansing with I-96 crossing the county East and West and between Ann Arbor and Flint with US -23 crossing the county North and South, Livingston County has both benefited by being at the crossroads of commerce as well as families looking for a rural setting for residence with access to interstate highways.

Total Population

Place	1990 Population	2000 Population	# Change	% Change
Brighton City	5,686	6,701	1,015	17.9%
Brighton Twp	14,815	17,673	2,858	19.3%
Cohoctah Twp	2,693	3,394	701	26.0%
Conway Twp	1,818	2,732	914	50.3%
Deerfield Twp	3,000	4,087	1,087	36.2%
Genoa Twp	10,820	15,901	5,081	47.0%
Green Oak Twp	11,604	15,618	4,014	34.6%
Hamburg Twp	13,083	20,627	7,544	57.7%
Handy Twp	5,488	7,004	1,516	27.6%
Hartland Twp	6,860	10,996	4,136	60.3%
Howell City	8,184	9,232	1,048	12.8%
Howell Twp	4,298	5,679	1,381	32.1%
Iosco Twp	1,567	3,039	1,472	93.9%
Marion Twp	4,918	6,757	1,839	37.4%
Oceola Twp	4,825	8,362	3,537	73.3%
Putnam Twp	6,183	7,500	1,317	21.3%
Tyrone Twp	6,854	8,459	1,605	23.4%
Unadilla Twp	2,949	3,190	241	8.2%
Total	115,645	156,951	41,306	35.7%

- ✓ Livingston County experienced significant population growth between 1990-2000.
- ✓ During 1990-2000, Livingston County had the greatest percentage change (up 35.7%) in population of any county state-wide and recorded the fifth highest numeric change in population (adding 41,306 residents) of all Michigan counties.
- ✓ Residents aged 65+ will more than triple by 2030, increasing from 8% to over 15% of the population.

Data Source:

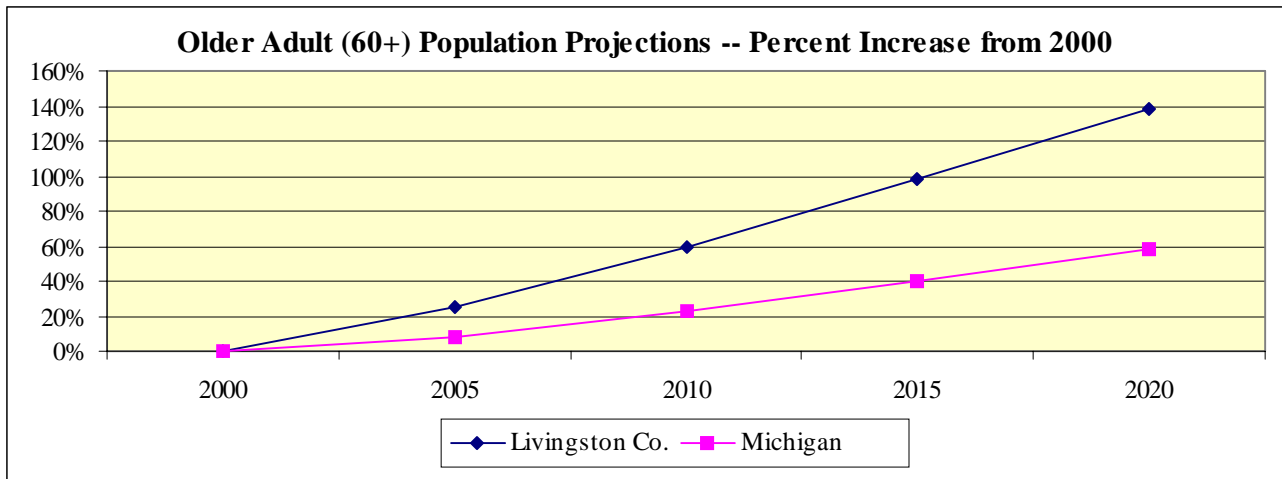
U.S. Census Bureau, Census 2000.

Age Groups	1990	2000	2010	2020	2030	# Change '90-'30	% Change '90-'30
0-4	8,688	11,305	13,546	15,836	18,597	9,909	114.1%
5-17	24,363	33,820	37,724	44,563	52,392	28,029	115.0%
18-34	29,247	29,946	36,161	44,129	51,500	22,253	76.1%
35-64	43,881	68,845	92,400	106,208	117,238	73,357	167.2%
65+	9,466	13,035	17,446	28,180	42,825	33,359	352.4%
Total	115,645	156,951	197,277	238,916	282,552	166,907	144.3%

Data Source:

Southeast Michigan Council of Governments.

Aging Services



	<u>1990</u>	<u>2000</u>	<u>2005</u>	<u>2010</u>	<u>2015</u>	<u>2020</u>
Livingston Co.	13,405	18,609	23,200	29,610	36,840	44,431
Michigan	1,510,397	1,596,471	1,731,250	1,955,905	2,227,456	2,521,385

Data Source:
APB Associates, Inc.

- ✓ Livingston County has the second highest older adult population growth rate among counties in Michigan.
- ✓ The 872 older adults in Livingston County receiving in-home services in 2003 represent 17% of the 5,035 older adults in the county with a disability. In comparison, the 115,184 older adults in the state of Michigan receiving in-home services represent 22% of the 515,967 older adults with a disability in the state.
- ✓ FY 2003 saw a 6% decrease in service to residents mainly because the funding did not grow with inflation.

<u>Service</u>	<u>FY 2003</u>		<u>FY 2004</u>	
	<u># of Clients</u>	<u># of Units</u>	<u># of Clients</u>	<u># of Units</u>
Chore Services	64	2,072	64	2,072
Home-delivered	450	81,920	529	63,649
.....Hot Meal	443	59,524	510	56,780
.....Cold Meal	304	18,832	440	33,179
.....Liquid Supplement	30	3,564	33	3,444
.....Holiday Meal	140	265	141	246
Congregate Meals	387	21,625	383	32,268
In Home Respite	44	2,858	48	3,218
Personal Care	224	14,378	212	14,379
Total (Unduplicated)	670	122,853	N/A	145,564

Note: Units are meals served or hours of care.
N/A: Count not available.

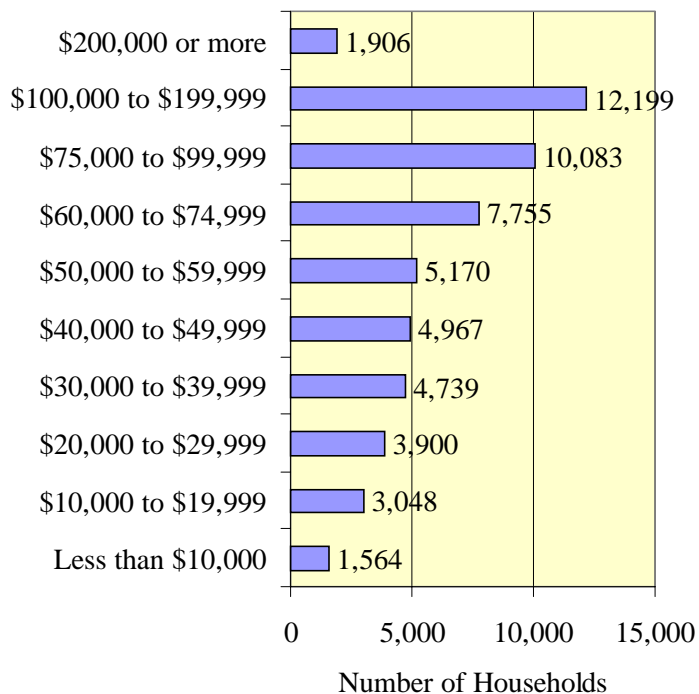
Data Source:
Area Agency on Aging I-B.

Household Income and Poverty

Poverty Status in 1999 by Age and Ethnicity, Livingston County

	<u>White</u>	<u>Black</u>	<u>Am Indian/ Alaska Nat</u>	<u>Asian</u>	<u>Other</u>	<u>Total</u>
Total:	151,133	390	759	1,028	2,135	155,445
Income in 1999 below poverty level:	4,866	47	43	28	244	5,228
Under 5 years	416	0	11	0	24	451
5 years	75	5	0	0	1	81
6 to 11 years	587	5	0	15	26	633
12 to 17 years	497	0	0	0	52	549
18 to 64 years	2,736	32	26	13	136	2,943
65 to 74 years	247	0	0	0	5	252
75 years and over	308	5	6	0	0	319
Income in 1999 at or above poverty level:	146,267	343	716	1,000	1,891	150,217
Under 5 years	10,388	5	71	77	208	10,749
5 years	2,396	0	25	15	9	2,445
6 to 11 years	14,266	45	76	150	293	14,830
12 to 17 years	14,109	69	112	107	219	14,616
18 to 64 years	93,253	185	400	619	1,115	95,572
65 to 74 years	6,792	30	25	25	42	6,914
75 years and over	5,063	9	7	7	5	5,091

Household Income in 1999, Livingston County



- ✓ Approximately 3.4% of Livingston County’s population, over 5,000 residents, reported incomes below poverty level in 1999. 1,714 of those in poverty were children.
- ✓ While only 4.4% of Livingston County’s residents aged 65+ live in poverty; 8.4% of those aged 75+ report incomes below the poverty level.
- ✓ In 2004, the federal poverty guideline is \$9,310/year for an individual and \$18,850 for a family of four.

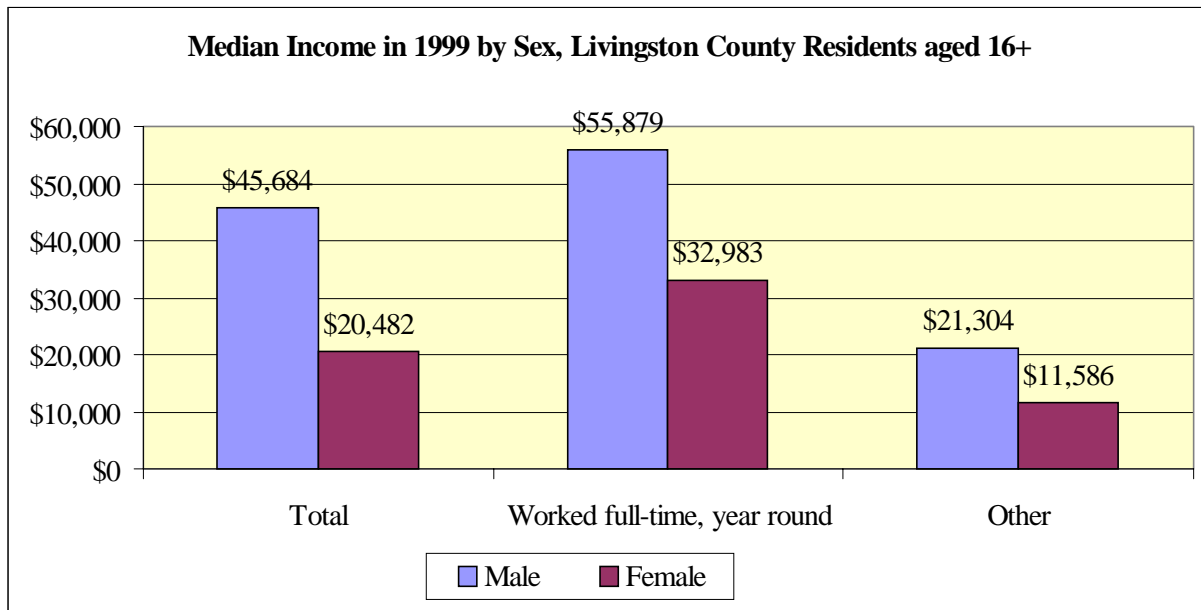
Data Source:
U.S. Census Bureau, Census 2000.

Employment and Earnings

Employment Status by Sex, Livingston County Residents aged 16+, 2000

<u>Status</u>	<u>Male</u>		<u>Female</u>		<u>Total</u>	
	<i>Number</i>	<i>Percent</i>	<i>Number</i>	<i>Percent</i>	<i>Number</i>	<i>Percent</i>
In labor force:	46,605	79.8%	37,263	63.7%	83,869	71.7%
In Armed Forces	37	0.1%	0	0.0%	37	0.0%
Civilian:	46,568	79.7%	37,263	63.7%	83,832	71.7%
Employed	45,008	77.1%	36,079	61.7%	81,088	69.4%
Unemployed	1,560	2.7%	1,184	2.0%	2,744	2.3%
Not in Labor Force	11,789	20.2%	21,233	36.3%	33,022	28.3%
Total	58,394	100.0%	58,496	100.0%	116,891	100.0%

- ✓ In 1999, females in Livingston County who worked full-time, year round, reported earning about \$22,000 less annually than males working full-time, year round.
- ✓ While about one in five men (20.2%) reported they were not in the labor force in 1999, over one in three women (36.3%) reported this. Another 2.3% of all residents reported they were seeking work in 1999 but remained unemployed.



Data Source:
U.S. Census Bureau, Census 2000.

Education and Income

<u>Category</u>	<u>Livingston Number</u>	<u>Livingston Percent</u>	<u>Michigan Percent</u>
Less than High School	8,734	8.6%	17.5%
High School Graduate	28,702	28.3%	31.3%
Some College	26,479	26.1%	23.3%
Associate's Degree	8,926	8.8%	7.0%
Bachelor's Degree	19,206	18.9%	13.6%
Master's Degree	7,323	7.2%	5.6%
Professional School Degree	1,534	1.5%	1.6%
Doctorate Degree	477	0.5%	0.1%
Total	101,381	100.0%	100.0%

- ✓ Residents of Livingston County have significantly higher levels of educational attainment than residents state-wide.
- ✓ Educational attainment is a key predictor of household and community income.

<u>Place</u>	<u>Median Household Income</u>	<u>Percent with Bachelor's Degree or Higher</u>
Brighton City	\$47,897	31.0%
Brighton Twp	\$83,940	37.9%
Cohoctah Twp	\$57,500	12.8%
Conway Twp	\$64,306	10.8%
Deerfield Twp	\$65,756	18.6%
Genoa Twp	\$71,398	32.8%
Green Oak Twp	\$75,173	33.0%
Hamburg Twp	\$75,930	32.8%
Handy Twp	\$49,440	14.9%
Hartland Twp	\$75,908	33.3%
Howell City	\$43,958	23.6%
Howell Twp	\$63,114	18.6%
Iosco Twp	\$63,808	15.3%
Marion Twp	\$72,378	23.2%
Oceola Twp	\$76,139	25.3%
Putnam Twp	\$61,388	19.1%
Tyrone Twp	\$75,994	31.6%
Unadilla Twp	\$52,433	14.7%
Livingston Total	\$67,400	28.2%
Michigan Total	\$44,667	21.7%

- ✓ Livingston County residents recorded the highest median household income in Michigan.
- ✓ As measured by attainment of a Bachelor's Degree or higher, educational attainment ranges from 10.8% of Conway Twp. residents to 37.9% of Brighton Twp. residents.
- ✓ Ten communities exceeded the state average for educational attainment. All but one community exceeded the median household income for the state.

Data Source:
U.S. Census Bureau, Census 2000.

Household Demographics

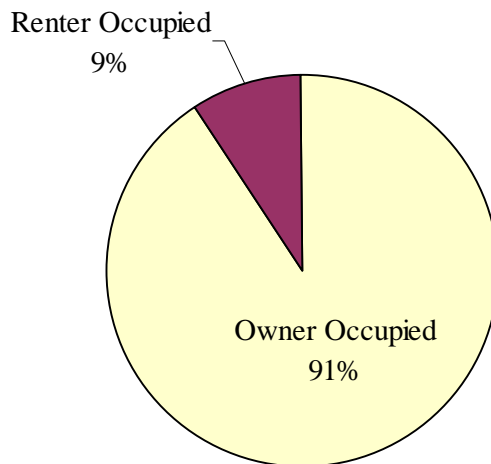
**Family Type by Presence and Age of Related Children,
Livingston County, 2000**

	<u>Number</u>	<u>Percent</u>
Married-Couple Family:	37,939	87.2%
With related children under 18 years:	19,368	44.5%
Under 6 years only	4,497	10.3%
Under 6 years and 6 to 17 years	4,165	9.6%
6 to 17 years only	10,706	24.6%
No related children under 18 years	18,571	42.7%
Other family:	5,567	12.8%
Male householder, no wife present:	1,789	4.1%
With related children under 18 years:	1,089	2.5%
Under 6 years only	254	0.6%
Under 6 years and 6 to 17 years	119	0.3%
6 to 17 years only	716	1.6%
No related children under 18 years	700	1.6%
Female householder, no husband present:	3,778	8.7%
With related children under 18 years:	2,453	5.6%
Under 6 years only	411	0.9%
Under 6 years and 6 to 17 years	329	0.8%
6 to 17 years only	1,713	3.9%
No related children under 18 years	1,325	3.0%
Total	43,506	100.0%

- ✓ According to the U.S. Census 2000, 87 percent of households in Livingston County were comprised of married-couple families. Of these, slightly less than half (44%) had children. Only about 8.1 percent of children in Livingston County live in a one-parent household.
- ✓ Rates of household ownership are high in Livingston County, with over 90 percent of those residing in household units reporting they own their dwelling.

Data Source:
U.S. Census Bureau, Census 2000.

Household Status, Livingston County, 2000



Birth Defects

- ✓ The rate of birth defects in Livingston County has been significantly higher than statewide.
- ✓ During 2003, the percentage of births to mothers aged 35+ was greater in Livingston County than Michigan.
- ✓ The risk of certain birth defects increases with the age of mother. For example, chromosome abnormalities occur in 1-500 births to women aged 18-24 and more than double to 1-178 for women aged 35 and 1-63 to women aged 40.

Birth Defects Cases by Birth Year, Livingston County and Michigan, 1992-2002

<i>Year</i>	<i>All Cases</i>		<i>Number of Births</i>		<i>Birth Defects Rate per 1,000</i>	
	<i>Liv</i>	<i>MI</i>	<i>Liv</i>	<i>MI</i>	<i>Liv</i>	<i>MI</i>
1992	145	10,674	1,596	143,827	90.9	74.2
1993	180	10,546	1,688	139,560	106.6	75.6
1994	189	10,331	1,728	137,844	109.4	74.9
1995	204	9,132	1,806	134,169	113.0	68.1
1996	175	9,038	1,811	133,231	96.6	67.8
1997	210	9,119	1,901	133,549	110.5	68.3
1998	232	9,517	1,954	133,649	118.7	71.2
1999	247	10,385	1,935	133,429	127.6	77.8
2000	255	11,680	2,061	136,048	123.7	85.9
2001	261	11,997	2,045	133,247	127.6	90.0
2002	250	10,713	1,958	129,518	127.7	82.7
All Cases	1,839	89,636	20,483	1,488,071	89.8	60.2

Notes: Defects are reportable if identified within the first two years of a child's life.

Data Source:
Michigan Department of Community Health.

Live Births by Age of Mother, Livingston County and Michigan, 2003

	<u>All Ages</u>	<u>Less than 15</u>							
		<u>15-19</u>	<u>20-24</u>	<u>25-29</u>	<u>30-34</u>	<u>35-39</u>	<u>40-44</u>	<u>45+</u>	
Total Livingston Births	2,010	71	268	509	748	346	65	3	
% Livingston	100.0%	0.0%	3.5%	13.3%	25.3%	37.2%	17.2%	3.2%	0.1%
Total Michigan Births	130,850	176	12,202	31,859	36,648	32,655	14,322	2,835	142
% Michigan	100.0%	0.1%	9.3%	24.3%	28.0%	25.0%	10.9%	2.2%	0.1%

Notes: All Ages column includes live births with age not stated. Total row includes live births of other or unknown race.

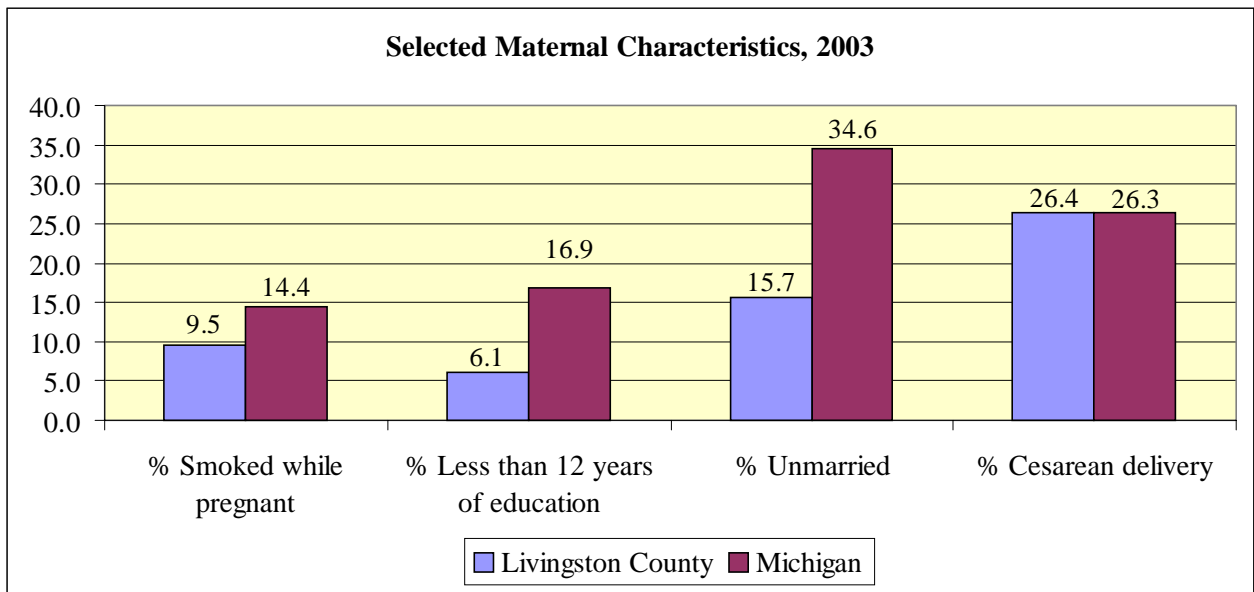
Prenatal Care

- ✓ Prenatal care that begins early and continues throughout a pregnancy gives the baby and mother the best chance for a healthy delivery. In 2002, almost 94 percent of Livingston County mothers received prenatal care in the first trimester.
- ✓ Toxic substances such as alcohol and tobacco can be very hazardous to a developing fetus. In 2003, 9.5 percent of Livingston County mothers smoked while pregnant. While slightly below rates for the state of Michigan, this percentage is still well above the national goal of 2 percent set for the year 2010.

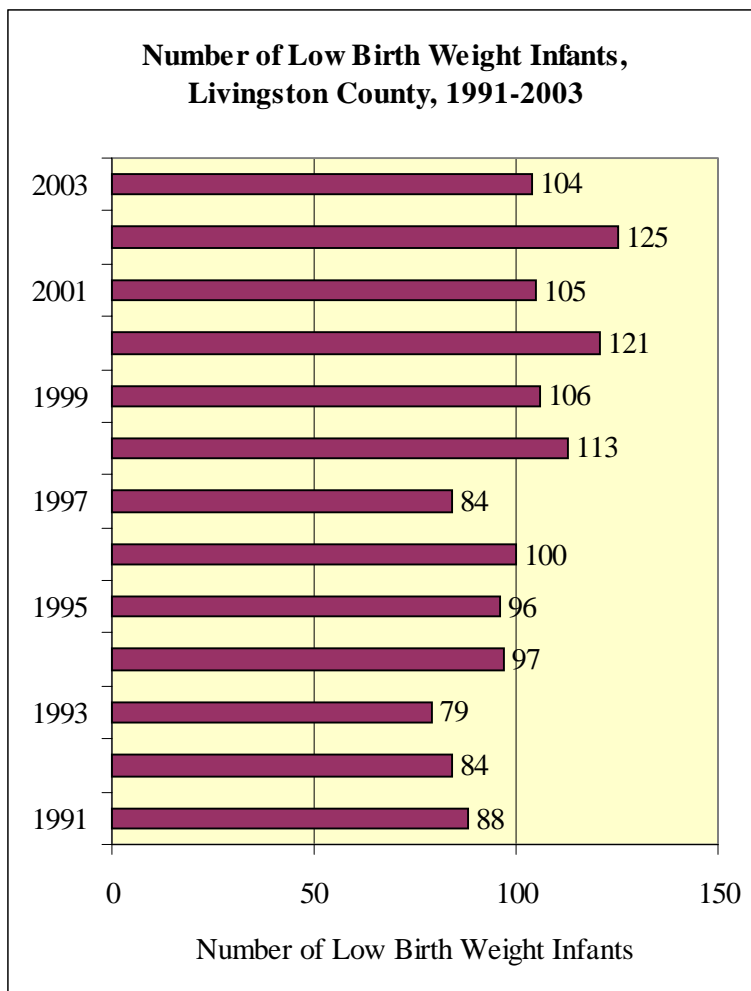
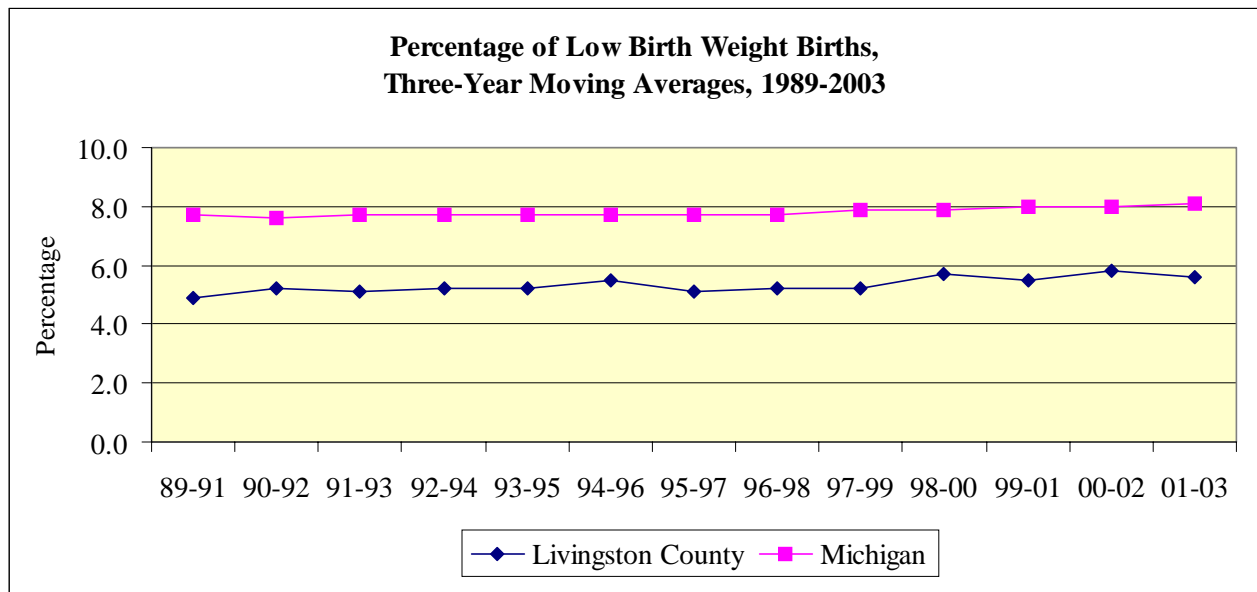
<u>Age of Mother</u>	<u>Livingston County</u>	<u>Michigan</u>
less than 15	--	36.9
15-19	80.3	69.2
20-24	87.3	78.2
25-29	94.7	87.3
30-34	95.2	89.8
35-39	96.0	89.0
40 and over	94.1	85.3
Total	93.6	84.1

Notes: Percents are calculated by using live births to mothers in each age category as the denominator. Records with age not stated are included only in the "Total" row.

Data Source:
Michigan Department of Community Health.



Low Birth Weight

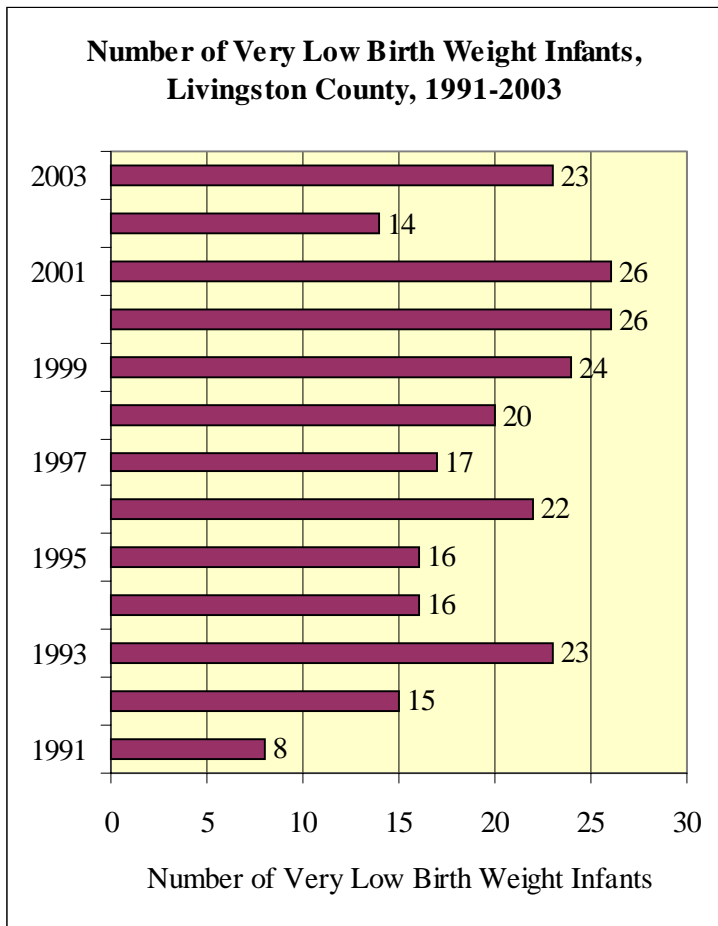
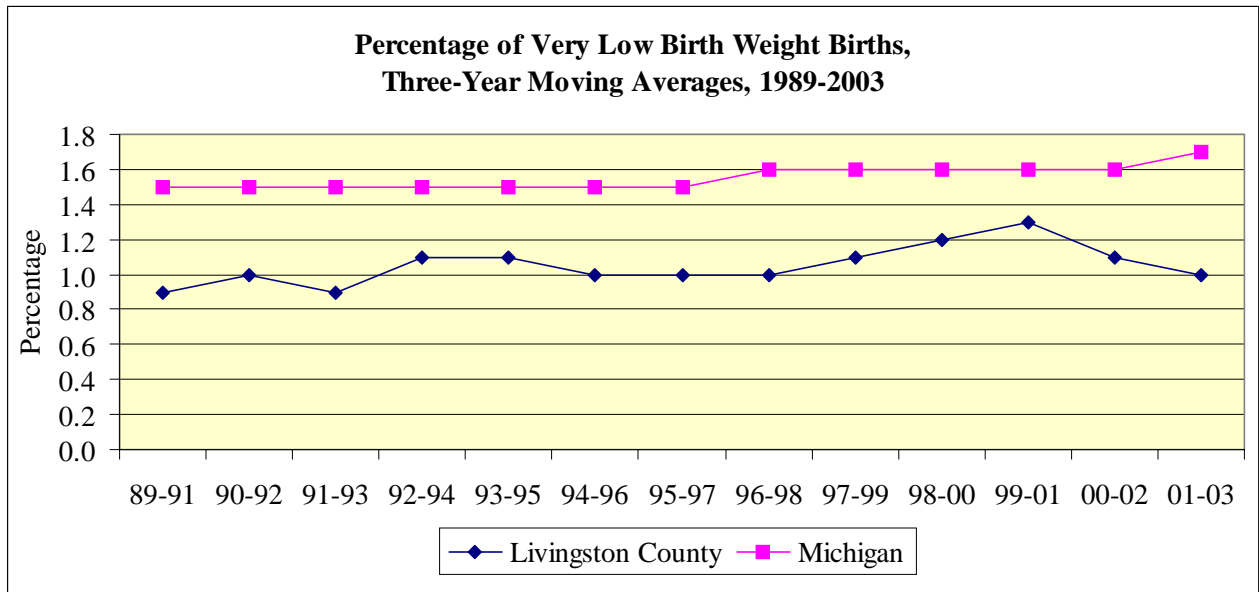


- ✓ Low birth weight is defined as weighing less than 2,500 grams (5.5 lbs.) at birth.
- ✓ Low birth weight is a leading cause of infant mortality.
- ✓ Risk factors for low birth weight include smoking during pregnancy, low maternal weight gain during pregnancy, multiple births, and maternal low birth weight.
- ✓ Since 1989, the percentage of infants born with low birth weight in Livingston County has remained lower than the average when compared to the state of Michigan.

Note: Low Birth Weight births include those of Very Low Birth Weight.

Data Source:
Michigan Department of Community Health.

Very Low Birth Weight

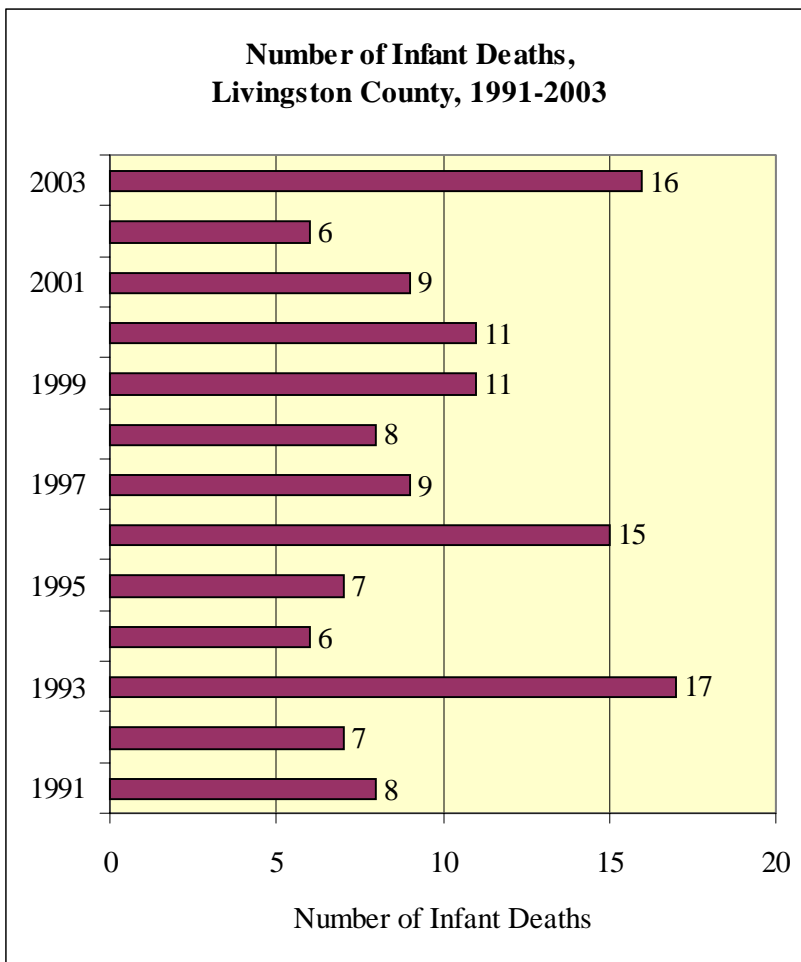
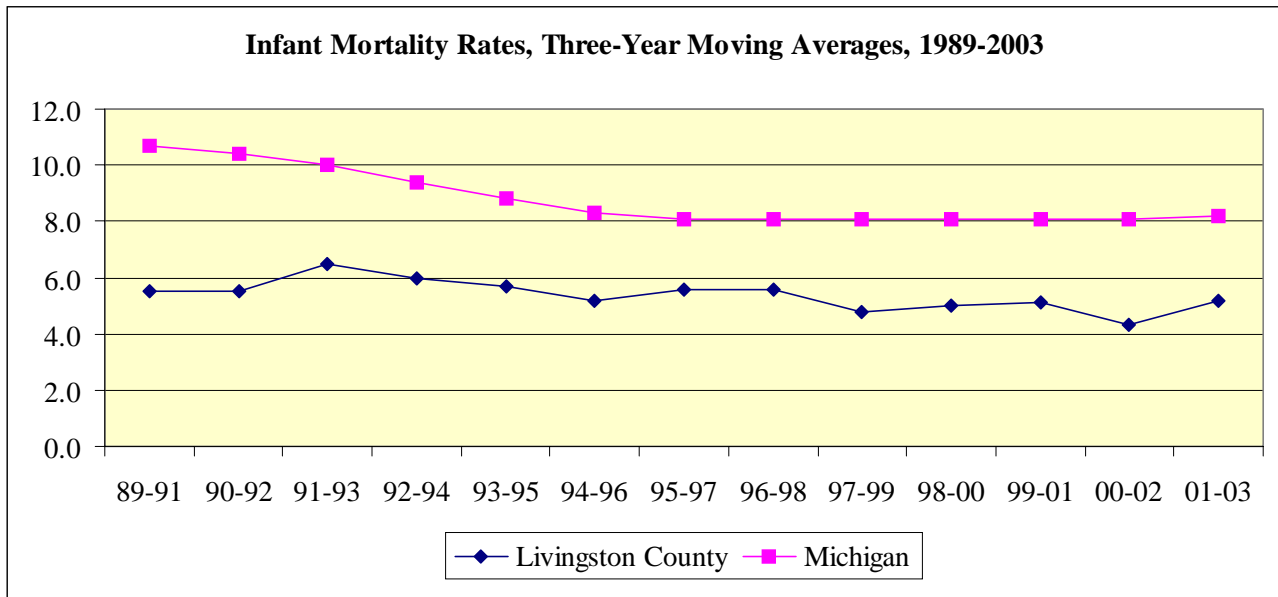


- ✓ Very low birth weight (VLBW) is defined as weighing less than 1,500 grams (3.3 lbs.) at birth.
- ✓ The primary causes of VLBW are premature births and intrauterine growth restrictions due to problems with the placenta, maternal health, or birth defects.
- ✓ Risk factors for VLBW are race (blacks), age (teen mothers), and multiple births.
- ✓ There are many immediate and long-term risks and complications for VLBW infants. Immediate risks include hypothermia, respiratory problems, impaired nutrition, neurological problems, and infection. Long-term risks include abnormal cognitive development, learning disabilities, and mental retardation.

Data Source:
Michigan Department of Community Health.

Note: Very Low Birth Weight births are included in Low Birth Weight births.

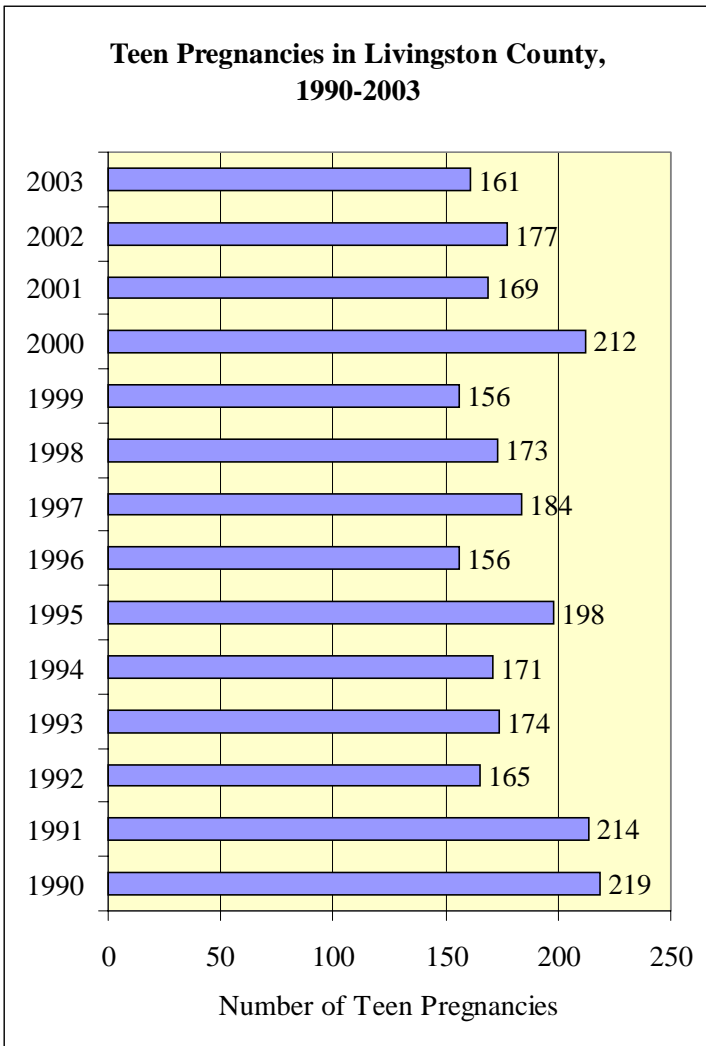
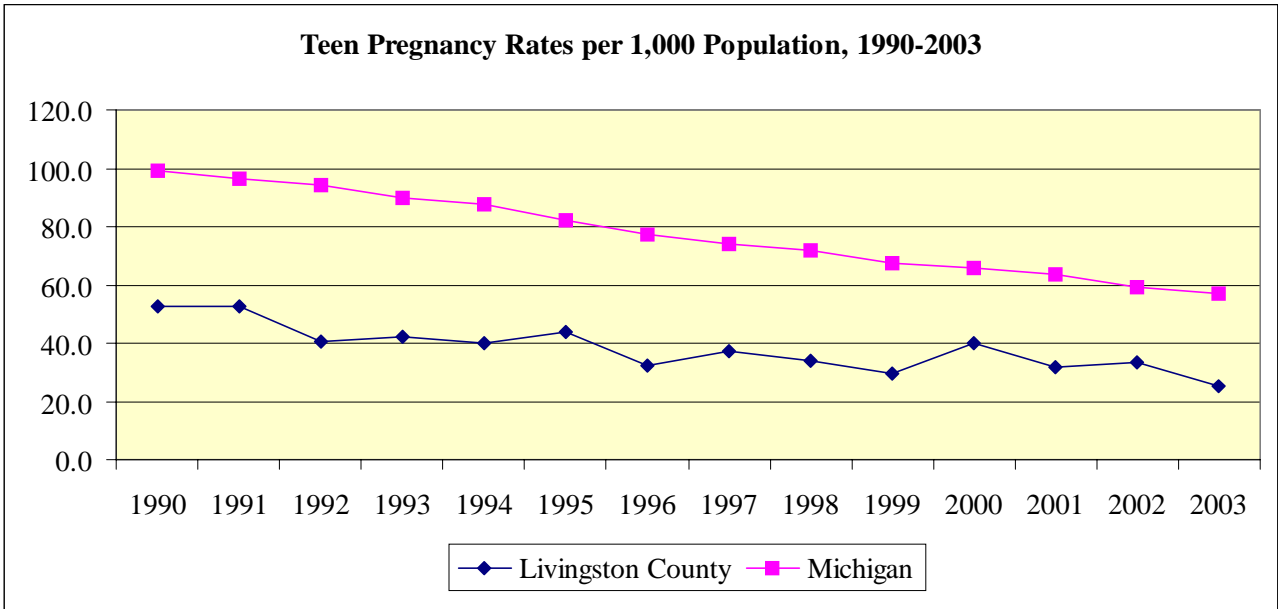
Infant Mortality



- ✓ Infant mortality rates, or rates of death for infants under the age of one, are an important indicator of the health of a population, illustrating the quality of maternal and child health care available.
- ✓ Infant mortality rates in Livingston County have remained below rates for the state of Michigan over the past decade.
- ✓ In the year 2003, 16 infants in Livingston County died before the age of one, a rate of 8.0 deaths for every 1,000 live births.

Data Source:
Michigan Department of Community Health.

Teen Pregnancy



- ✓ Teen pregnancies are calculated by adding the sum of live births, abortions, and estimated miscarriages among females under the age of 20.
- ✓ Babies born to teen mothers are more likely to be low birth weight, have less chance of surviving their first year of life, and may have more than their share of developmental, social and behavioral problems throughout their lives.
- ✓ Teen mothers are less likely to finish school and are more likely to need public assistance than teenagers who are not parents.
- ✓ Rates of teen pregnancy in Livingston County have been about half the rates of teen pregnancy in the state of Michigan over the past decade. In 2003, there were 71 births to mothers under age 20 (3.5% of all births) in Livingston County.

Data Source:
Michigan Department of Community Health.

Sexually Transmitted Diseases

- ✓ STDs such as herpes and human papilloma virus (HPV), the virus associated with increased risk for cervical cancer, are present in the population but diagnoses are not reportable and rates are unknown.
- ✓ For those reportable STDs, such as gonorrhea and HIV, Livingston County has much lower rates of infection than the state of Michigan.
- ✓ In 2003, Livingston County teenagers accounted for 53 of 149 cases of chlamydia, 36% of all cases reported during that year.

Selected Sexually Transmitted Diseases Cases, Livingston County and Michigan

	<u>Livingston County</u>			<u>Michigan</u>
	Avg Annual #			Rate 2003
	1998-2002	# 2003	Rate 2003	
Chlamydia	83	149	88	324
Gonorrhea	13	21	12	139
All Syphilis	1	2	*	9

Notes: *Rate not statistically reliable. Rates are per 100,000 population.

Residents Reported Living with HIV or AIDS as of 1/1/05, and Residents Ever Diagnosed with AIDS, 1981 to Present

	<u>Estimate of HIV Prevalence¹</u>	<u>Estimated Prevalence Rate²</u>	<u>Persons Living with AIDS³</u>	<u>Persons Living with HIV not AIDS³</u>	<u>Persons Ever Diagnosed with AIDS</u>
Michigan	16,200	163.0	5,545	5,775	13,547
Livingston County	40	25.5	16	13	35

Notes: ¹This estimate includes all persons living with HIV or AIDS, including those not yet diagnosed. All estimates are rounded to the nearest 10. ²Rates are calculated per 100,000 population in 2000. ³Includes reports of HIV infection or AIDS that contain patient name or are otherwise unduplicated.

Data Source:
Michigan Department of Community Health.

Traffic Crashes

Traffic Crash Summary for Livingston County, 2000-2002

<u>Type</u>	<u>2000</u>	<u>2001</u>	<u>2002</u>	<u>2003</u>
Total Crashes	6,059	5,932	5,967	6,211
Had Been Drinking Crashes	295	265	284	247
Had Been Drinking Fatal Crashes	6	6	8	8
Persons Killed	7	6	9	8
Persons Injured	167	159	164	168
Had Been Drinking Fatal Crash Rate*	3.82	3.64	4.74	4.63
MI Had Been Drinking Fatal Crash Rate*	4.10	4.19	3.82	3.59
Drug Involved Crashes	n/a	11	25	20

Note: *per 100,000 population

Reported Age of Drinking Drivers Involved in Crashes, Livingston County 2000-2003

<u>Age Group</u>	<u>2000</u>		<u>2002</u>		<u>2003</u>		<u>MI 2003</u>	
	#	%	#	%	#	%	#	%
0-15	1	0.3%	0	0.0%	0	0.0%	37	0.3%
16-34	160	53.9%	144	50.9%	134	54.9%	8,096	54.3%
35-64	124	41.8%	126	44.5%	101	41.1%	6,144	41.1%
65+	7	2.4%	4	1.4%	6	2.5%	332	2.2%
unknown	5	1.7%	9	3.2%	3	1.2%	313	2.1%
Total	297	100.0%	283	100.0%	244	100.0%	14,922	100.0%

- ✓ During 2003, the rate of fatal car crashes in Livingston County where drinking was involved exceeded the state rate.
- ✓ Between 2000 and 2003 in Livingston County, 30 persons were killed and 658 were injured in 1,091 accidents where alcohol was involved.
- ✓ In 2003, persons aged 18-34 represented 26% of the licensed drivers in Livingston County but were involved in 45% of all alcohol-related traffic accidents.

Data Source:

Michigan Office of Highway Safety Planning; Michigan Secretary of State.

Leading Causes of Death

Numbers and Age-Adjusted Death Rates for Ten Leading Causes, Livingston County and Michigan, 2003

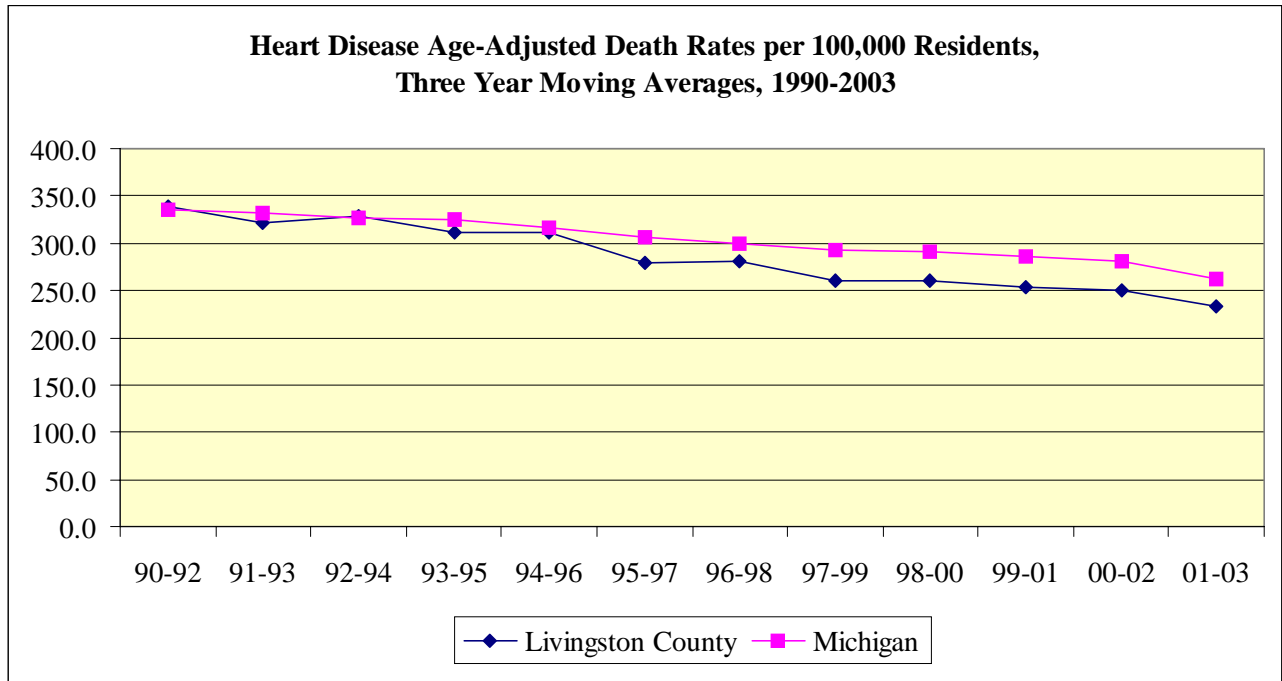
<u>Cause of Death</u>	<u>Livingston County</u>		<u>Michigan</u>	
	<i>Number</i>	<i>Rate</i>	<i>Number</i>	<i>Rate</i>
Heart Disease	285	236.6	25,845	252.4
Cancer	251	185.5	19,574	192.0
Stroke	54	44.9	5,412	52.9
Chronic Lower Respiratory Disease	57	47.1	4,427	43.8
Unintentional Injuries	39	25.7	3,278	32.3
Diabetes	25	20.1	2,620	25.8
Pneumonia/Influenza	19	*	1,932	18.9
Alzheimer's Disease	26	22.0	2,114	20.6
Kidney Disease	17	*	1,655	16.3
Suicide	17	*	1,018	10.0
All Other Causes	207	163.9	18,431	181.4
Total	997	787.5	86,306	846.4

Notes: Age-Adjusted death rates are based on age-specific death rates per 100,000 population in specified group. * A rate is not calculated when there are fewer than 20 events.

- ✓ Heart Disease, Cancer, and Stroke remain the top three leading causes of death in Michigan and Livingston County. Together, these three causes account for almost 60 percent of all deaths in the county.
- ✓ Rates of Alzheimer's Disease deaths are significantly higher for Livingston County than for the state of Michigan.
- ✓ Behavioral and lifestyles factors—such as tobacco and alcohol use, diet, and inactivity—are estimated to contribute as much to mortality as genetic and environmental influences.

Data Source:
Michigan Department of Community Health.

Heart Disease



- ✓ Rates of heart disease have decreased in Livingston County and Michigan over the past decade, but it still remains the leading cause of death.
- ✓ In Livingston County, an average of 269 deaths annually between the years 2001 and 2003 were attributed to heart disease.
- ✓ In Livingston County in the year 2002, 250 people were hospitalized for an episode of congestive heart failure that could have been controlled or prevented.

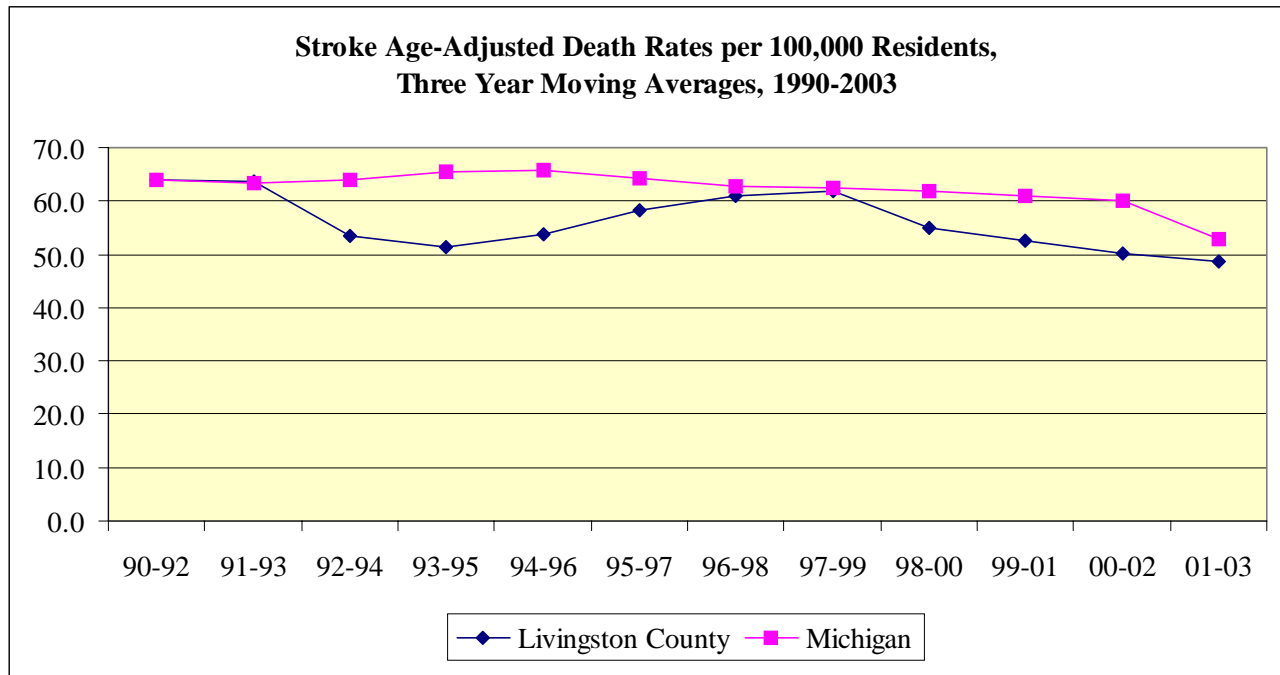
Data Source:
Michigan Department of
Community Health.

Preventable Hospitalizations for Congestive Heart Failure

	<u>Livingston County</u>	<u>Michigan</u>
Avg. Annual # for 97-01	277	39,849
# 2002	250	40,413
Avg. Annual Rate for 97-01	18.1	40.3
Rate for 2002	14.8	40.2

Note: Preventable Hospitalizations are hospitalizations for conditions where timely and effective care could have prevented the onset of a condition or controlled an episode of illness. Rates are per 10,000 population.

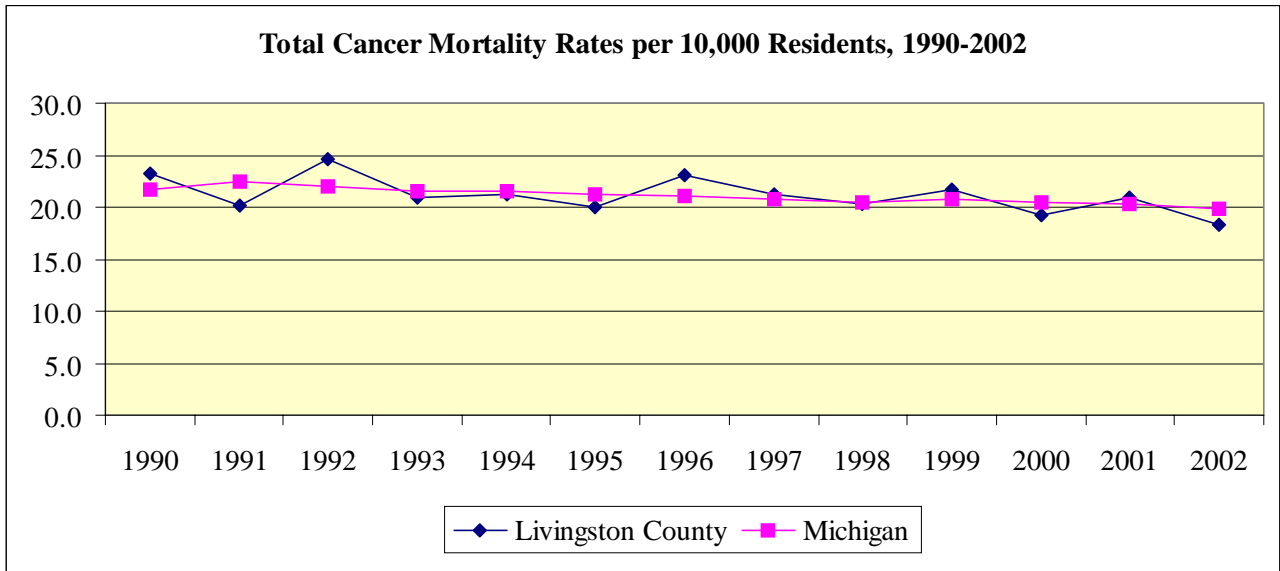
Stroke



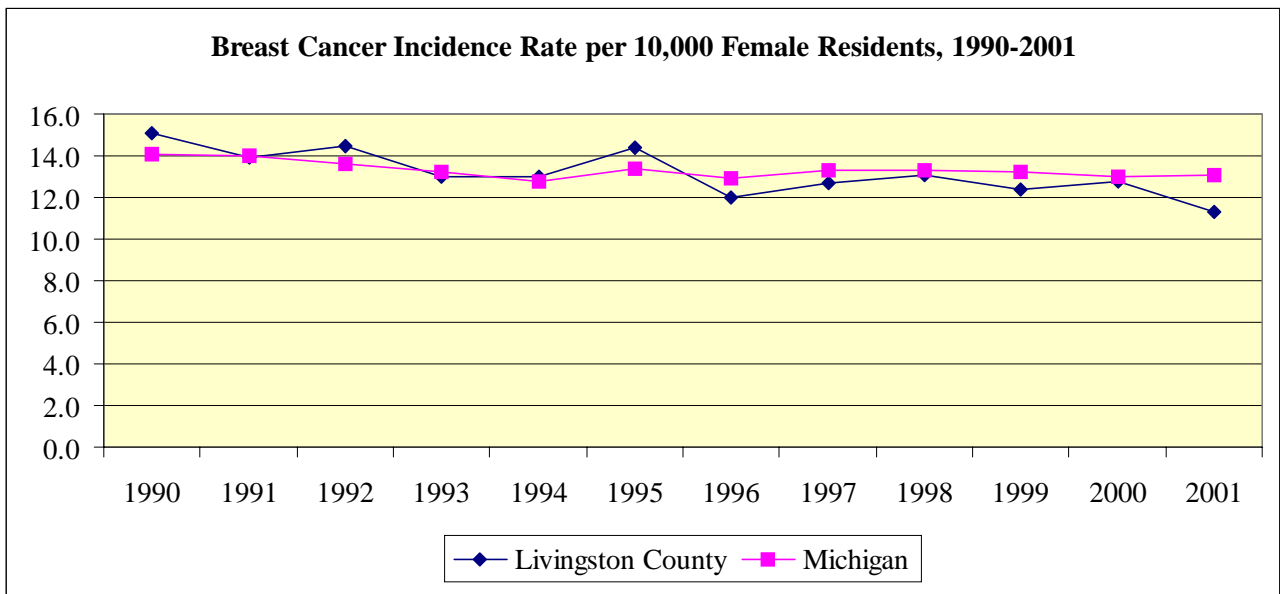
- ✓ Rates of stroke have gone down only slightly in Livingston County in recent years. Stroke is the third leading cause of death in Livingston County.
- ✓ In Livingston County, an average of 54 deaths annually between the years 2001 and 2003 were attributed to stroke, or cerebrovascular disease.

Data Source:
Michigan Department of Community Health.

Cancer

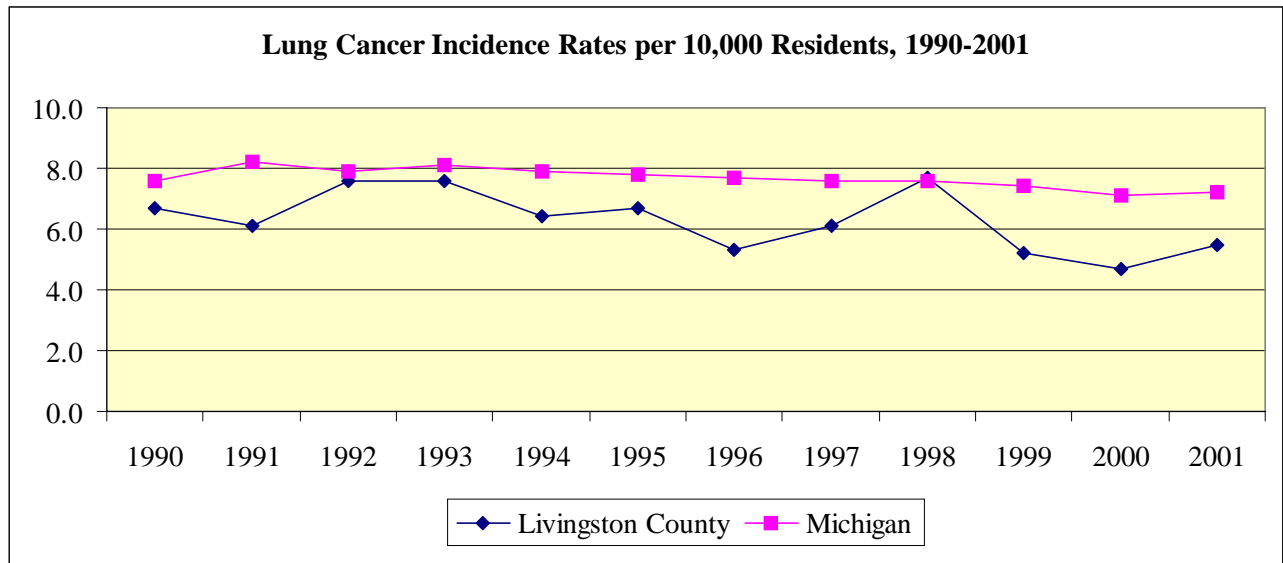


- ✓ Over the past decade, total cancer mortality rates have remained similar for Livingston County and the state of Michigan. Cancer was the cause of death for 236 people in Livingston County in the year 2002.
- ✓ During the past decade, an average of 80 women were newly diagnosed with breast cancer each year in Livingston County. Early detection through mammograms and clinical breast exams remain the most effective weapons against this type of cancer.

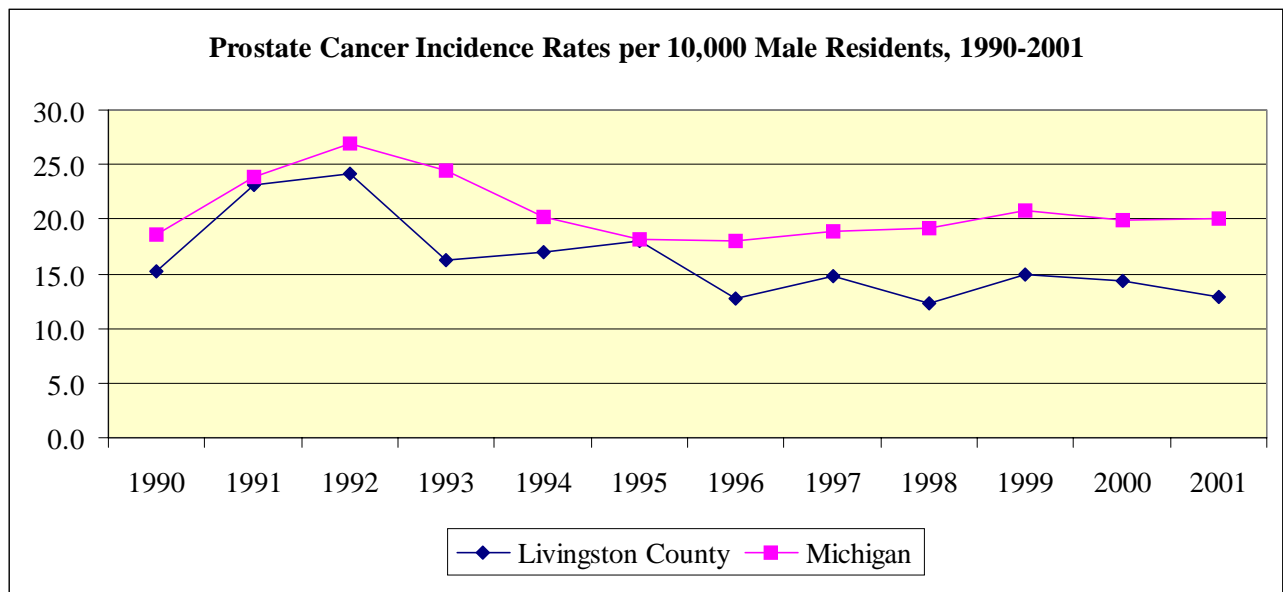


Data Source:
Michigan Department of Community Health.

Cancer

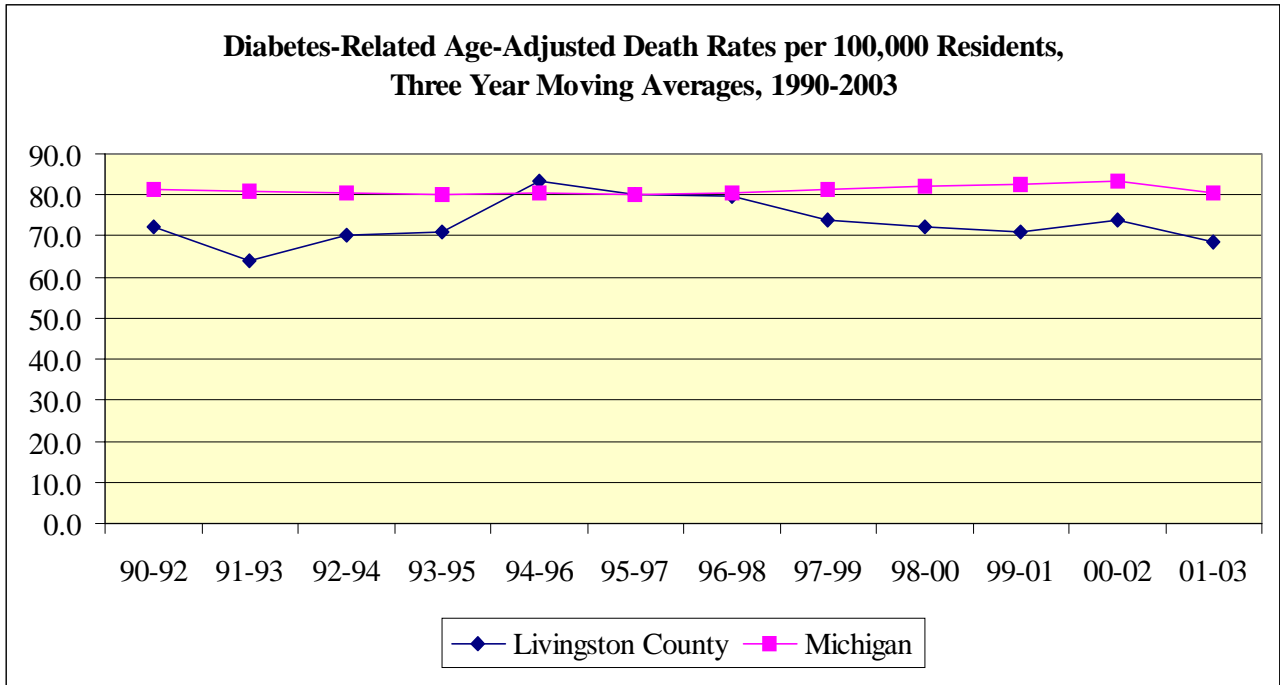


- ✓ In Livingston County in 2002, 65 people died from lung cancer. Incidence rates for this type of cancer in Livingston County remain at or slightly below rates for the state of Michigan.
- ✓ During the past decade, an average of 72 men were newly diagnosed with prostate cancer each year in Livingston County. The majority of prostate cancer cases occur in men over the age of 65.



Data Source:
Michigan Department of Community Health.

Diabetes

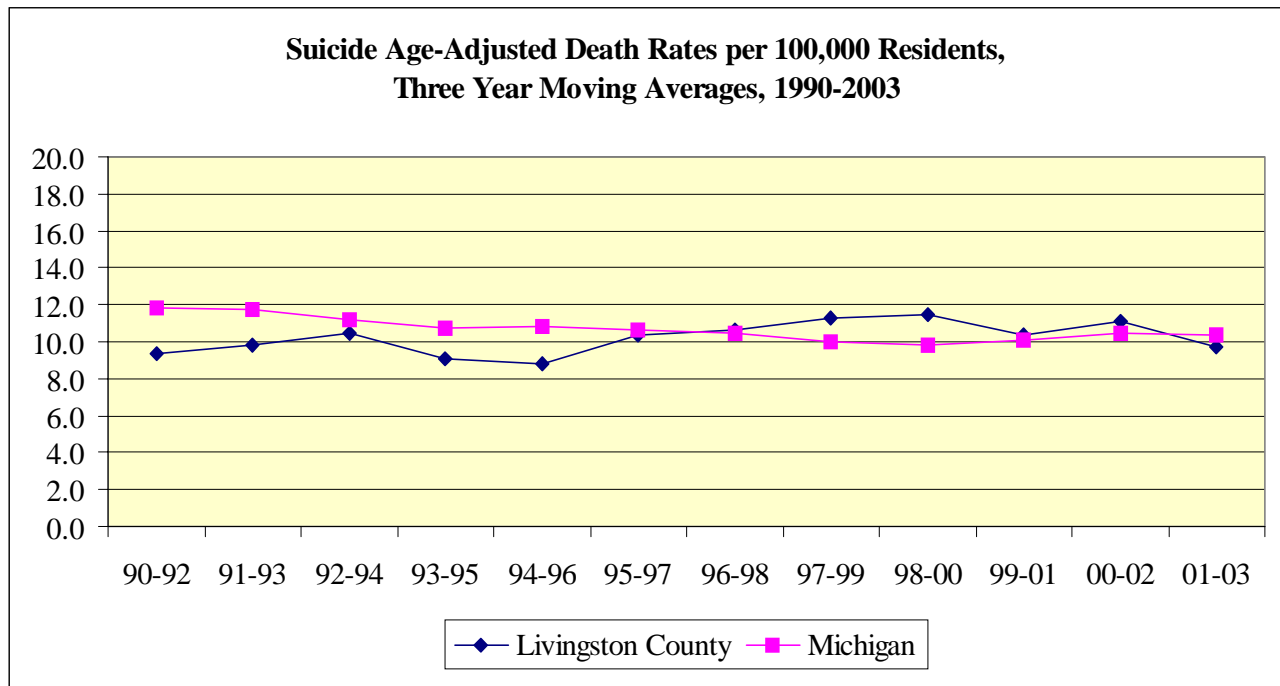


- ✓ Diabetes is a chronic disease that may require personal management through diet, exercise, medications, and access to medical care.
- ✓ In Livingston County, diabetes killed an average of 68 people annually between the years 2001 and 2003.
- ✓ Between the years 1997 and 2001, an average of 90 people annually were hospitalized in Livingston County for a diabetic condition that could have been managed or prevented.

Data Source:
Michigan Department of
Community Health.

Preventable Hospitalizations for Diabetes		
	<u>Livingston County</u>	<u>Michigan</u>
Avg. Annual # for 97-01	90	10,733
# 2002	102	11,810
Avg. Annual Rate for 97-01	5.9	10.8
Rate for 2002	6.0	11.8
<p>Note: Preventable Hospitalizations are hospitalizations for conditions where timely and effective care could have prevented the onset of a condition or controlled an episode of illness. Rates are per 10,000 population.</p>		

Injury and Suicide Deaths



- ✓ In Livingston County, an average of 16 people annually between the years 2001 and 2003 died from intentional self-harm, or suicide.

Data Source:

Michigan Department of Community Health.

Number of Deaths by Injury and Violence in Livingston County, 2002 and 2003

	2002	2003
Total Accidents	38	39
Motor Vehicle Accidents	20	22
Poisonings	3	-
Falls	2	9
Fire & Flames	1	-
Drowning	3	2
All Other and Unspecified Accidents & Adverse Effects	9	6
Assault (Homicide)	6	1
All Other External Causes	10	6
Intentional Self-Harm (Suicide)	20	17
TOTAL:	74	63

Preventable Hospitalizations

**Preventable Hospitalizations and Rates per 10,000 Population,
Livingston County Residents**

Preventable Hospitalization Diagnosis	Hospitalizations		Rate	
	Avg. Annual # for 97-01	2002	Avg. Annual Rate for 97-01	2002
Bacterial Pneumonia	361	347	23.6	20.5
Congestive Heart Failure	277	250	18.1	14.8
Chronic Obstructive Pulmonary	172	128	11.2	7.6
Kidney/Urinary Infections	120	117	7.8	6.9
Cellulitis	102	104	6.7	6.2
Dehydration	83	106	5.4	6.3
Asthma	100	93	6.6	5.5
Diabetes	9	102	5.9	6.0
Convulsions	37	51	2.4	3.0
Angina	35	33	2.3	2.0
All Other Conditions	539	644	35.2	38.1
Total	1,917	1,975	125.3	117

Notes: Preventable hospitalizations are hospitalizations for conditions where timely and effective ambulatory care can decrease hospitalizations by preventing the onset of an illness or condition, controlling an acute episode of an illness or managing a chronic disease or condition. **Hospitalizations** may be greater than the number of persons hospitalized since some persons are hospitalized more than once during the year.

- ✓ During 2002, there were 1,975 preventable hospitalizations for Livingston County residents, representing nearly 18% of all hospitalizations. While better than the statewide percentage of 21.9% of all hospitalizations, there still remains a cause for concern in the community.
- ✓ Preventable hospitalizations can serve as a proxy measure for access to appropriate care in an outpatient or ambulatory setting. Preventable hospitalizations can also serve as a proxy measure for appropriate use of medications or treatment protocols.

Data Source:
Michigan Department of Community Health.

Years of Potential Life Lost

Years of Potential Life Lost Below Age 75 Due to Selected Causes of Death, 2003				
Cause	Livingston County		Michigan	
	<i>number</i>	<i>rank</i>	<i>number</i>	<i>rank</i>
Cancer	1,970	1	152,278	1
Heart Disease	975	2	125,951	2
Unintentional Injuries	886	3	83,236	3
Conditions originating in the Perinatal Period	745	4	46,726	4
Suicide	572	5	31,637	5
Homicide	55	12	26,947	6
Congenital Malformations	224	7	20,062	7
Stroke	275	6	18,981	8
Chronic Lower Respiratory Disease	185	8	17,185	9
Chronic Liver Disease	150	9	17,015	10
Diabetes	115	10	16,095	11
Pneumonia/Influenza	40	14	8,646	12
Kidney Disease	5	15	7,262	13
HIV/AIDS	60	11	7,217	14
Septicemia	45	13	5,919	15

Notes: The number of years of potential life lost is calculated as the number of years between the age of death and 75 years of age for persons dying before their 75th year.

- ✓ Measuring years of potential life lost is a measure of mortality that emphasizes loss of life among persons under the age of 75.
- ✓ Cancer is the cause of death that leads to the most years of potential life lost, both in Livingston County and the state of Michigan.

Data Source:
Michigan Department of Community Health.

Social Services

Social Services Indicators, January 2005

	Livingston County	Michigan
Total FIP, SER, SDA, Energy Assistance, Food Assistance		
Total Recipients	4,280	1,036,062
Amount	\$454,698.77	\$133,031,730.31
Recipient Average	\$106.24	\$128.40
Total FIP, Federal and State Funded, All Families		
Families	155	78,587
Amount/3	\$58,178.78	\$32,404,075.90
Family Average	\$375.35	\$412.33
Total FIP, Federal and State Funded, Non-Two Parent Families		
Families	152	76,542
Amount/3	\$56,552.28	\$31,327,491.30
Family Average	\$372.05	\$409.28
Food Assistance Program		
Households	1,963	463,488
Persons	4,246	1,032,892
Value	\$365,399.00	\$90,311,374.00
Value per Person	\$86.06	\$87.44
MA Only		
Total Cases	4,525	586,813
Total People	7,020	985,898
Cases Aged 65+	482	66,733
People Aged 65+	482	66,726
Cases Dependent Children	1,020	154,996
People Dependent Children	1,917	355,355
SSI Cases Eligible		
Total	734	217,369
Aged 65+	43	18,244
Blind	12	1,420
Disabled	679	197,705
Persons Eligible for Medicaid		
Total	8,089	1,416,408
SSI	734	217,366
FIP	335	213,144
Medically Needy	7,020	985,898

Data Source:

State of Michigan, Family Independence Agency. *Assistance Payments Statistics (Monthly)*. January 2005.

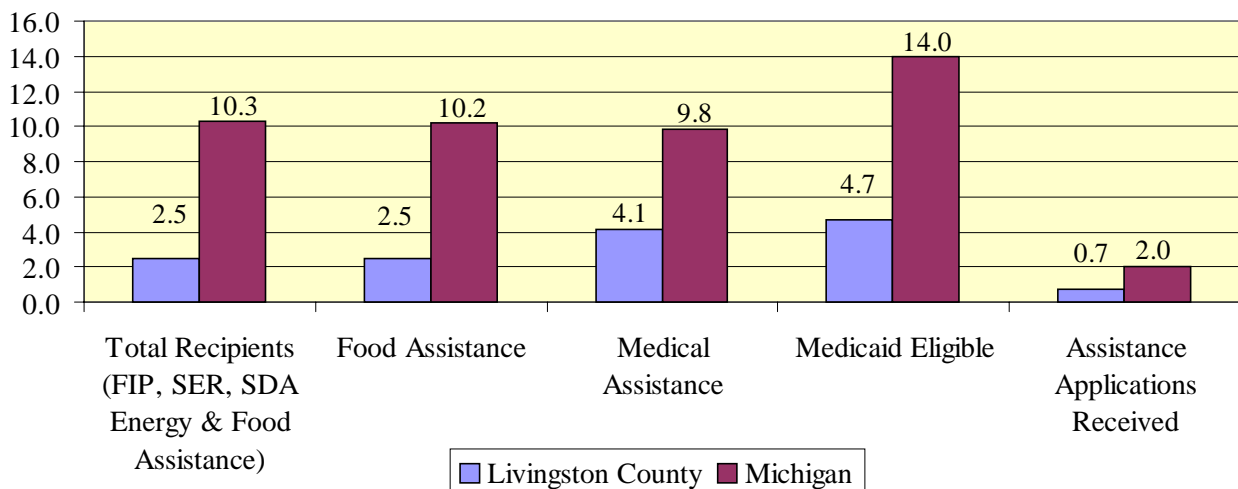
Social Services

Social Services Indicators (con't), January 2005

	Livingston County	Michigan
Assistance Applications Received		
Total	1,192	200,215
FIP	97	16,540
SDA 14/	182	31,393
MA	391	51,195
Child Day Care	54	8,181
Protective Services Cases		
Total	53	8,123
Abuse Only	26	2,420
Neglect Only	14	2,172
Abuse and Neglect	13	3,531
Child Day Care		
Total Cases	214	61,042
Total Children	354	119,780
Total Payments	\$119,223.14	\$35,891,417.84
Former FIP Cases	0	0
Former FIP Children	0	0
Former FIP Payments	\$0.00	\$0.00
Protective Services Cases	0	158
Protective Services Children	0	271
Protective Services Payments	\$0.00	\$87,407.98

- ✓ In Livingston County in January 2005, 155 families were receiving FIP assistance. Of these, 152 families were non-two parent families.
- ✓ Protective Services in Livingston County investigated 53 total cases of childhood abuse and/or neglect in January 2005.

Percentage of the Population Receiving Social Services, January 2005



School Districts

School District Comparison, 2002							
	Fowlerville Community Schools	Brighton Area Schools	Hartland Consolidated Schools	Howell Public Schools	Pickney Community Schools	Liv. County	State of MI
MEAP Passing Rate (%)	50.5	67.2	68.4	61.0	58.9	61.2	52.8
MEAP Excelling Rate (%)	10.2	21.2	19.8	16.4	14.5	16.4	13.4
MEAP Participation (%)	91.9	94.6	92.0	95.4	94.0	93.6	87.8
ACT Mean Score	21.2	23.0	22.4	21.9	21.6	22.0	21.0
ACT Participation	56.5	70.0	69.9	57.0	66.2	63.9	57.2
SAT Combined Score	n.a.	1155	1220	1169	1131	1168	1128
SAT Participation (%)	1.4	13.6	6.5	5.5	6.8	6.8	4.5
PSAT Combined Score	146	153	153	148	141	148	145
PSAT Participation (%)	20.3	44.7	32.7	23.5	50.2	34.3	32.6
AP Aggregate Scores 3 and Above (%)	39.3	76.9	72.8	61.9	57.7	61.7	54.3
AP Aggregate Participation	9.2	24.7	16.2	17.2	7.4	14.9	9.4
Graduation Rate (%)	93.9	99.8	94.0	92.9	91.9	94.4	88.9
Dropout Rate (%)	1.7	0.0	1.4	1.6	2.1	1.4	3.0

- ✓ Generally, Livingston County school districts perform at or above state of Michigan levels.
- ✓ While Hartland Community Schools record the highest combined SAT score in the county (1220), Brighton Area Schools records the highest number of students who take the test (13.6%)—nearly twice the percentage of other districts.
- ✓ Brighton Area Schools record the highest graduation rates in the county, at nearly 100 percent.

Data Source:
Standard and Poor's Evaluation Services

Crime Trends

	<u>2000</u>		<u>2002</u>		<u>2003</u>		<u>MI 2003</u>
	#	rate	#	rate	#	rate	rate
Total Index Crimes	2,565	163.4	2,392	152.4	2,964	171.4	377.0
Murder & Non-Negligent							
Manslaughter	3	0.2	5	0.3	2	0.1	0.6
Rape--including attempts	30	1.9	29	1.8	33	1.9	5.5
Robbery	13	0.8	18	1.1	25	1.4	11.1
Aggravated Assault	136	8.7	132	8.4	172	9.9	33.5
Burglary	429	27.3	442	28.2	558	32.3	66.7
Larceny	1,766	112.5	1,541	98.2	1,927	111.5	202.7
Motor Vehicle Theft	160	10.2	202	12.9	227	13.1	52.9
Arson	28	1.8	23	1.5	20	1.2	4.1
Total Non-Index Crimes	7,050	449.0	5,349	340.7	6,861	396.9	656.2
Negligent Manslaughter	2	0.1	0	0.0	0	0.0	0.1
Assault--non-aggravated	845	53.8	784	49.9	994	57.5	118.3
Fraud	406	25.9	319	20.3	403	23.3	39.2
Vandalism	1,181	75.2	853	54.3	1,141	66.0	102.0
Sex Offenses (except Rape & Prostitution)	86	5.5	101	6.4	130	7.5	10.3
Narcotics Laws	475	30.3	368	23.4	439	25.4	42.8
Driving Under the Influence of Alcohol/Drugs	846	53.9	494	31.5	610	35.3	51.2
Others	3,209	204.4	2,430	154.8	3,144	181.9	292.4
Total Index and Non-Index Crimes	9,615	612.4	7,741	493.1	9,825	568.3	1,033.3
Note: *rate per 10,000 population							

- ✓ Livingston County crime rates are significantly lower than those statewide.
- ✓ Between 2000 and 2002, the rates in Livingston County for most crimes were stable or decreased slightly. The 2003 rates reflect an increase in both Index and Non-Index crimes.
- ✓ Sex offenses increased between 2000 and 2003, while rates of driving under the influence of alcohol/drugs declined, then increased in 2003.

Data Source:
Uniform Crime Reports, Michigan State Police.

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