WAUKESHA COUNTY HEALTH REPORT CARD

Prepared by:

Waukesha County Health Council
HEALTHY WAUKESHA 2010

July, 2002

WAUKESHA COUNTY HEALTH COUNCIL MESSAGE

July, 2002

Dear Waukesha County Community:

The Waukesha County Health Council is pleased to present the third edition of the Waukesha County Health Report Card, an assessment of the population's overall health status. Previous report cards were issued by the Health Council in 1997 and 1998. This third edition updates information on key community health status indicators for Waukesha County.

The Health Council, which was formed in 1995, has as one of its most important functions the monitoring and reporting of health data to the community. Through the reporting of this information, the Health Council wishes to make the community aware of the health issues that continue to confront its citizens and to hopefully convince individuals and organizations throughout the county to pursue actions that lead to healthier lives.

This report card provides new data on the five specific health and illness categories reported back in 1998. The categories consist of: Maternal/Child Health, Communicable Disease, Cancer, Heart Disease/Stroke, and Injury/Violence/Substance Abuse. In addition, there are sections in the report card devoted to health risk factors and the use of preventive services.

Both primary and secondary research data was utilized in the report card. Primary research included Waukesha County Public Health Division's kindergarten immunization audits as well as results from the Waukesha County Health Council's 1997 and 2000 Community Health Surveys. Secondary data was primarily obtained from the State of Wisconsin, Department of Health and Family Services, and represents data in most instances through the 2000 calendar year.

An important aspect of the 2002 report card is the comparison of Waukesha County's health status to the national Healthy People 2010 goals whenever possible. Symbols (apples or magnifying glasses), are used to highlight whether an indicator meets the Healthy People 2010 goal. Where a Healthy People goal does not exist, these symbols compare Waukesha County to the State of Wisconsin's three-year average.

The Waukesha County Health Council hopes that the community finds this assessment beneficial and that it provides an impetus toward advancing better health for those living in Waukesha County.

Sincerely,

Herb R. Rosenberger
Co-chair, Health Data Committee

Lynn Johnson
Co-chair, Health Data Committee

ACKNOWLEDGEMENTS

The Waukesha County Health Council wishes to acknowledge the contributions of the following individuals in the preparation and completion of the third Waukesha County Health Report Card.

Health Data Committee Members:

Herb Rosenberger, Co-chair
Waukesha Memorial Hospital

Lynn Johnson, Co-chair
Oconomowoc Memorial Hospital

Nancy Healy, Ph.D
Waukesha County Public Health Division

Darren Rausch, Epidemiologist
Waukesha County Public Health Division

Don Rebholz, Covenant Healthcare System

JoAnn Weidmann
Public Health Consultant and
Waukesha County Board Supervisor

Jenifer Finley, Up Connection

Connie Panagis, MD, Retired Physician

Lou Pascek, Ph.D, United Way in Waukesha County

Mark Huber, Aurora Health Care

A special thank you is also extended to Franklin Sotomayor from Oconomowoc Memorial Hospital for his work in formatting and printing this document.

TABLE OF CONTENTS

Waukesha County Health Council Message	1
Acknowledgements	II
Table of Contents	III
Grades	1-3
Demographic Characteristics	4
Leading Causes of Death in 2000	5
Maternal, Child and Infant Health	6
Communicable Disease	7
Cancer	8
Heart Disease and Stroke	9
Injury, Violence and Substance Abuse	10
Risk Factors for Premature Death – Adults, 18+	11
Preventive Services Use – Adults, Age 18+	12
Notes	13

GRADES

As provided in the past, the Waukesha County Health Council graded the major categories of health assessed in this document and issued an overall grade to the residents of Waukesha County. Grades are given based on the experience of an indicator over time and on how the indicator compares to the State of Wisconsin's three-year average. An increasing emphasis is placed on behavioral and preventive measures that relate to the disease categories. Several key indicators utilized in this report have not previously been assessed.

MATERNAL, CHILD AND INFANT HEALTH -----A

Waukesha County residents receive a grade of A for the exemplary performance in the following indicators:

- A low teenage pregnancy rate.
- A high rate of prenatal care.
- Low infant death rates.
- A small percentage of low birth weight infants.
- Increasing seat belt usage by children.
- Increasing (although still low overall) use of helmets by children when riding a bicycle or when in-line skating.

The first four indicators are all better than the State of Wisconsin's three year average (1998- 2000) and with the exception of the neonatal death rate and seat belt use are already ahead of the national Healthy People 2010 Goals.

COMMUNICABLE DISEASES -----C

Waukesha County residents receive a grade of C for the mixed performance of the following indicators.

- A high incidence rate of E. coli cases in 1998 and 1999.
- A high incidence rate of Hepatitis B and C cases each year.
- A continued high incidence rate of Pertussis cases each year.
- An increasing Gonorrhea incidence rate in the county.
- On the positive side, the Tuberculosis incidence rate has remained quite low as has the rate of Measles and AIDS.
- In addition, the immunization rate of children at age two has continued to steadily increase as has the use of the pneumonia vaccine in those age 65 and older.

CANCER - - - - - C

Waukesha County residents receive a grade of C for the varied performance of the following indicators:

- A cancer incidence rate that is comparable to the State of Wisconsin's three-year average (1996-1998).
- A high incidence and mortality rate of breast cancer.
- An increase in smoking, an increase in obesity and less than desirable eating habits in the adult population.
- On the positive side, the use of cancer screenings (mammograms, pap smears, colorectal and prostate tests) is increasing among adults.
- A decreasing overall cancer death rate, which is lower than the State's three year average, but still higher than the H.P. 2010 goal.

HEART DISEASE AND STROKE - - - - - D

Waukesha County residents receive a grade of D for the disappointing performance of the following indicators. Of greatest concern is the poor performance of the behavioral indicators that play a significant role in the development of cardiovascular disorders and subsequent mortality:

- An increasing death rate from coronary heart disease, although lower than the State's three-year average (1998- 2000).
- Similarly, an increasing death rate for stroke.
- An increasing percentage of the population with high blood pressure.
- An increase in smoking, an increase in obesity, and a lack of exercise in the adult population.

INJURY, VIOLENCE AND SUBSTANCE ABUSE - - - - - B

Waukesha County residents receive a grade of B for the improved performance of many of the following indicators:

- A relatively low suicide death rate, but an increasing percent of the population with depression.
- Homicide rate that is not only lower than the State of Wisconsin's three year average, but also much more favorable than the national Healthy People 2010 Goal.
- Lower rates of drug related motor vehicle deaths and accidents than the State of Wisconsin's three year averages.
- A significant reduction in the amount of binge drinking.
- A reduction in the number of households with firearms not locked up.
- An increasing death rate from motor vehicle accidents although still less than the State's three year average (1998- 2000).

- A low (although slightly increasing) percent of individuals who wear a helmet when riding a bicycle or in-line skating.
- Use of seat belts in adults has remained steady, but use has improved in children.

OVERALL GRADE - - - - - C+

Based on the five individual categories, the overall health of Waukesha County residents merits a grade of C+. The Health Council believes that important progress has been made in many areas (immunization, use of screenings, safety measures, consumption of alcohol, etc.), however, individuals have yet to make a commitment toward improving their own health by exercising more, watching their weight, by eliminating smoking and reducing other risk factors. Without increased commitment from residents, a healthy Waukesha County will remain a vision rather than become a reality .

DEMOGRAPHIC CHARACTERISTICS

	Waukesha Co.				Wisconsin	
	1990		2000		2000	
Population Subgroup	Number	%	Number	%	Number	%
Total Population	304,715	–	360,767	–	5,363,675	–
Sex and Age:						
Male	151,055	49.6	177,484	49.2	2,649,041	49.4
Female	153,660	50.4	183,283	50.8	2,714,634	50.6
Under 20 years	91,185	29.9	103,262	28.6	1,532,093	28.6
20 to 44 years	119,275	39.1	223,665	34.3	1,938,982	36.2
45 to 64 years	64,329	21.1	990,406	25.1	1,190,047	22.2
65 years and over	29,926	9.8	43,434	12.0	702,553	13.1
Race:						
White	298,313	97.9	345,506	95.8	4,769,857	88.9
Black	1,096	0.4	2,646	0.7	304,460	5.7
Asian/Pacific Islander	2,699	0.9	5,468	1.5	90,393	1.7
American Indian/Alaska native	672	0.2	788	0.2	47,228	0.9
Other	1,935	0.6	3,128	0.9	84,842	1.6
Two or more races	–	–	3,231	0.9	66,895	1.2
Ethnicity:						
Not Hispanic or Latino	299,267	98.2	351,264	97.4	5,170,754	96.4
Hispanic or Latino	5,448	1.8	9,503	2.6	192,921	3.6
Uninsured #	–	–	10,823	3.0	321,821	6.0

#An estimated number of individuals affected was calculated using the survey percent multiplied by the total population.

SOURCE:

United States Census Bureau; http://factfinder.census.gov
Wisconsin Department of Health and Family Services, Division of Health Care Financing, Bureau of Health Information. ***http://www.dhfs.state.wi.us/stats/familyhealthsurvey.htm***.

LEADING CAUSES OF DEATH IN 2000

Cause	Waukesha Co. Number	Waukesha Co. %	Wisconsin Number	Wisconsin %
Cardiovascular Diseases	1,133	40.5	18,379	39.6
Cancer	638	22.8	10,620	22.9
Chronic Lower Respiratory Disease	130	4.7	2,309	5.0
All Other Accidents	105	3.8	1,345	2.9
Influenza and Pneumonia	83	3.0	1,214	2.6
Diabetes	81	2.9	1,315	2.8
Alzheimer's Disease	57	2.0	1,185	2.6
Motor Vehicle Accidents	37	1.3	865	1.9
Intentional Self-Harm (Suicide)	29	1.0	588	1.3
All Other External Causes	5	0.2	40	0.1
Human Immunodeficiency Virus	2	0.1	74	0.2
Assault (Homicide)	2	0.1	175	0.4
All Other Diseases	576	20.6	9,503	20.5
Total Deaths, All Causes	2,795	–	46,405	–

SOURCE:

Wisconsin Department of Health and Family Services, Division of Health Care Financing, Bureau of Health Information. ***http://www.dhfs.state.wi/us/deaths***.

KEY TO PAGES 6 - 12:

= meets or exceeds Healthy People (H.P.) 2010 goal or Wisconsin 3 year average.

= fails to meet Healthy People 2010 goal or Wisconsin 3 year average.

* = statistically significant trend at a 0.05 level of significance.

MATERNAL AND CHILD HEALTH

Maternal and child health describes the health of mothers and their children at the beginning of life. Infants have an increased risk of mortality and morbidity including developmental delay when born at low birth weights. Low birth weight infants are more commonly born to mothers not receiving adequate prenatal care, or adolescent mothers.

Maternal, Child and Infant Health

	Waukesha Co.			Wisconsin	H.P. Goal
Indicator (a)	1998	1999	2000	3-yr Avg	2010
Adolescent pregnancy rate(15-17yrs)	6.1	5.3	7.3	19.5	46.0
Early prenatal care (lst trimester; %)	95.2	95.5	95.1	84.0	90.0
Less than 5 prenatal visits (%)	0.9	0.6	1.1	3.4	–
Low birth weight infants (<2500 g; %)	4.5	5.3	4.7	5.3	5.0
Fetal and Infant Death Rates (b):					
Infant deaths (<1 yr)	4.6	4.9	4.1	6.8	4.5
Neonatal deaths (<28 days)	3.9	4.2	3.0	4.6	2.9
Postneonatal deaths (28 days -1 yr)	0.7	0.7	1.1	2.3	1.5
Child Death Rates:					
1-4 years	11.9	0.0	5.3	38.6	25.0
5-9 years	16.8	4.2	7.6	–	14.3

(a) All data presented as rates per 100,000 population unless otherwise specified.
(b) Rate per 1,000 live births.

SOURCE:

U.S. Department of Health and Human Services. **Healthy People 2010** (Conference Edition, in Two Volumes). Washington, DC: January 2000.

Wisconsin Department of Health and Family Services, Division of Health Care Financing, Bureau of Health Information. ***Waukesha County Birth Certificate Data, 1998-2000***.

Wisconsin Department of Health and Family Services, Division of Health Care Financing, Bureau of Health Information. ***http://www.dhfs.state.wi.us/births***.

COMMUNICABLE DISEASE

Communicable or infectious disease refers to any disease carried from one person or animal to another through direct or indirect contact. Examples may include sexually transmitted diseases, childhood illnesses, foodborne illnesses, waterborne illnesses, animal or insect transmitted diseases, etc. Communicable diseases remain a public health concern even with the tremendous progress that has been made in basic hygiene, food production and handling, water treatment, and development of vaccines and antibiotics.

Communicable Disease

Indicator (a)	Waukesha Co. 1998	Waukesha Co. 1999	Waukesha Co. 2000	Wisconsin 3-yr Avg	H.P. Goal 2010
Diarrheal Diseases:					
Campylobacter spp.	15.3	11.9	12.2	21.9	12.3
E. coli 0157:H7	2.0	23.0	9.1	5.4	1.0 *
Salmonella spp.	14.4	15.0	14.1	17.1	6.8
Other Communicable Diseases:					
Hepatitis C	23.0	11.9	12.5	4.9	1.0 *
Tuberculosis	2.0	1.7	1.4	2.0	10.0
Sexually Transmitted Diseases:					
Gonorrhea	8.9	8.5	13.9	123.5	19.0 *
AIDS	2.3	3.1	1.7	5.2	1.0
Vaccine Preventable Diseases:					
Hepatitis B	4.6	2.6	3.6	1.5	--
Measles	0.0	0.0	0.0	0.0	–
Pertussis	7.8	7.9	4.2	3.3	– *

(a) All data presented as rates per 100,000 population.

Childhood Vaccination Coverage Levels

Objective (a)	Waukesha Co. 1998	Waukesha Co. 1999	Waukesha Co. 2000	Wisconsin 3-yr Avg	H.P. Goal 2010
Vaccination coverage levels (%)#	69.9	76.4	80.2	--	90.0 *

#*Retrospective assessment of kindergarten students for vaccination status at age 2, with 4 DTaP; 3 polio; 1 MMR.*

SOURCE:

U.S. Department of Health and Human Services. **Healthy People 2010** (Conference Edition, in Two Volumes). Washington, DC: January 2000.
Waukesha County Department of Health and Human Services, Public Health Division.
Wisconsin Department of Health and Family Services, Division of Public Health, Bureau of Communicable Diseases.
Wisconsin Department of Health and Family Services, Division of Public Health, Immunization Program.

CANCER

Cancer is the second leading cause of death, accounting for more than one of every five deaths in Waukesha County. Leading risk factors for cancer include tobacco use and diet; it is predicted that these risk factors are responsible for two-thirds of all cancer deaths. The National Cancer Institute has estimated that aggressive, widespread application of current cancer prevention, early detection, and treatment techniques would lead to a significant reduction in overall cancer mortality.

Cancer Mortality (1996-2000)

	Waukesha Co.					Wisconsin	H.P. Goal
Indicator (a)	1996	1997	1998	1999	2000	3-yr Avg	2010
Breast Cancer	39.3	27.1	31.4	30.9	38.2	30.7	22.2
Colorectal Cancer	13.0	16.2	14.7	19.9	16.4	21.8	13.9
Lung Cancer	37.5	47.0	44.9	45.1	44.4	50.9	44.8
Prostate Cancer	23.8	22.7	24.9	21.7	20.9	26.7	28.7
Cervical Cancer	4.1	4.0	6.9	14.1	13.1	13.3	2.0*
All Cancers	172.4	178.9	184.8	193.7	176.9	202.5	158.7

(a) All data presented as rates per 100,000 population.

Cancer Incidence (1996-1998)

	Waukesha Co.			Wisconsin	H.P. Goal
Indicator (a)	1996	1997	1998	3-yr Avg	2010
Breast Cancer	183.1	200.6	194.2	163.5	–
Colorectal Cancer	62.9	61.2	58.1	66.5	–
Lung Cancer	59.9	52.2	57.0	64.9	–
Prostate Cancer	149.0	183.6	160.1	144.1	–
Cervical Cancer	51.1	36.9	58.5	58.5	–*
All Cancers	501.5	507.0	504.8	504.6	–

(a) All data presented as rates per 100,000 population.

SOURCE:

U.S. Department of Health and Human Services. **Healthy People 2010** (Conference Edition, in Two Volumes). Washington, DC: January 2000.

Wisconsin Department of Health and Family Services, Division of Health Care Financing, Bureau of Health Information. ***Waukesha County Death Certificate Data, 1998-2000.***

Wisconsin Department of Health and Family Services, Division of Health Care Financing, Bureau of Health Information. **http://www.dhfs.state.wi.us/wcrs.**

HEART DISEASE AND STROKE

Cardiovascular diseases, including heart disease and stroke, are the leading killers for both men and women and among all racial and ethnic groups nationally and in Waukesha County. Individually, heart disease and stroke are the first and third leading causes of death in the United States, respectively. There are many risk factors for both heart disease and stroke including high blood pressure and blood cholesterol, diabetes, obesity, physical inactivity, poor nutrition and tobacco use.

Heart Disease and Stroke Mortality

	Waukesha Co.			Wisconsin	H.P. Goal
Indicator (a)	1998	1999	2000	3-yr Avg	2010
Heart Disease	226.8	223.2	237.8	258.2	166.0
Stroke	55.5	55.6	59.6	69.6	48.0

(a) All data presented as rates per 100,000 population.

SOURCE:

U.S. Department of Health and Human Services. **Healthy People 2010** (Conference Edition, in Two Volumes). Washington, DC: January 2000.

Wisconsin Department of Health and Family Services, Division of Health Care Financing, Bureau of Health Information. ***http://www.dhfs.state.wi.us/localdata***.

INJURY, VIOLENCE AND SUBSTANCE ABUSE

Injuries can be divided into two major subcategories: intentional and unintentional. Intentional injuries include homicide, suicide, partner violence and child abuse; unintentional injuries include motor vehicle crashes, workplace injuries, falls and poisonings. When addressing injuries, the most important thing to remember is that the resulting morbidity and mortality are predictable and preventable. Violence and substance abuse are included in this health category due to their intrinsic relation as potential causes of injuries.

Injury, Violence and Substance Abuse

	Waukesha Co.			Wisconsin	H.P. Goal
Indicator (a)	1998	1999	2000	3-yr Avg	2010
Motor Vehicle Crash Deaths	8.9	7.1	10.3	14.6	9.0
Homicide Deaths	0.3	1.1	0.6	3.6	3.2
Suicide Deaths	8.9	7.9	8.0	11.2	6.0
Drug Induced Deaths	8.1	7.1	–	13.9	1.0
Alcohol– and Drug–related Motor Vehicle Deaths	3.2	1.7	–	5.2	4.0
Alcohol– and Drug–related Motor Vehicle Accidents	75.1	65.8	–	127.1	65.0

(a) All data presented as rates per 100,000 population.

SOURCE:

U.S. Department of Health and Human Services. **Healthy People 2010** (Conference Edition, in Two Volumes). Washington, DC: January 2000.

Wisconsin Department of Health and Family Services, Division of Health Care Financing, Bureau of Health Information. ***http://www.dhfs.state.wi.us/localdata***.

RISK FACTORS FOR PREMATURE DEATH - ADULTS, AGE 18+

Indicator(a)	Waukesha Co. 1997	Waukesha Co. 2000	Wisconsin 2000	H.P. Goal 2010	
Risk Conditions (past three years):					
High Blood Pressure	14	17	–	16	
High Blood Cholesterol	16	13	–	17	
Diabetes	4	4	–	2.5	
Depression	6	8	–	–	–
Sedentary Lifestyle (<20 min/week; <3x week)	82	80	–	70	
Overweight (calculated body mass index)	53	58	56	40	
Smoking (current smokers)	21	22	24	12	
Binge Drinking (5+ drinks at one time in past month)	27	18	25	6	
Eating Fruit (<2 servings/day)	61	67	–	25	
Eating Vegetables (<2 servings/day)	72	71	–	–	–
Seat Belt Use -Adults (sometimes or less)	18	18	–	8	
Seat Belt Use -Children (sometimes or less)	9	2	–	0	*
Bicycle Helmet Use -Adults (sometimes or less)	76	75	–	–	–
Bicycle Helmet Use -Children (sometimes or less)	49	42	–	–	–
Households with Unlocked Firearms	19	14	–	–	–

(a) All data expressed as percent of population.

SOURCE:

U.S. Department of Health and Human Services. **Healthy People 2010** (Conference Edition, in Two Volumes). Washington, DC: January 2000.

Waukesha County Health Council. ***Waukesha County Community Health Study***. Spring 2001.

Waukesha County Health Council. ***Waukesha County Community Health Survey***. Spring 1998.

Wisconsin Department of Health and Family Services, Division of Health Care Financing, Bureau of Health Information. ***http://www.dhfs.state.wi.us/stats/BRFS.htm***.

PREVENTIVE SERVICES USE - ADULTS, AGE 18+

Indicator (a)	Waukesha Co. 1997	Waukesha Co. 2000	Wisconsin 2000	H.P. Goal 2010
Routine Medical Check-Up in past year:				
Medical	63	61	65	–
Dental	75	74	74	–
Vision	46	46	–	–
Pneumonia Vaccine (ever; 65+ years)	55	65	–	90
Mammogram (females, 40+; past 2 years)	78	83	65	70
Pap Smear (females; past 4 years)	88	88	65	90
Colorectal Test or Screening (50+; past 2 years)	42	48	–	50
Prostate Screening (males, 50+; past 2 years)	59	64	–	–

(a) All data expressed as percent of population.

SOURCE:

U.S. Department of Health and Human Services. **Healthy People 2010** (Conference Edition, in Two Volumes). Washington, DC: January 2000.

Waukesha County Health Council. ***Waukesha County Community Health Study***. Spring 2001.

Waukesha County Health Council. ***Waukesha County Community Health Survey***. Spring 1998.

Wisconsin Department of Health and Family Services, Division of Health Care Financing, Bureau of Health Information. ***http://www.dhfs.state.wi.us/stats/BRFS.htm***.