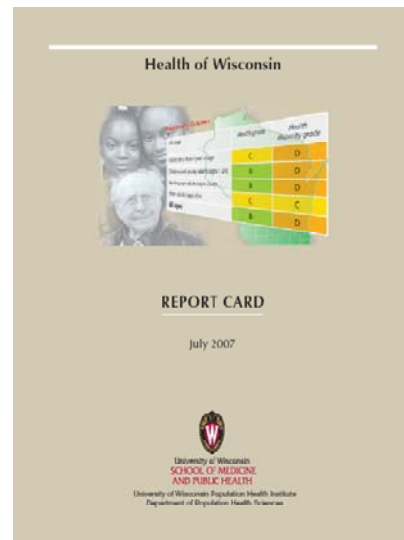


# *Health of Wisconsin Report Card*

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Patrick Remington, MD, MPH



## Outline

- Introduction
- *Health of Wisconsin Report Card*
  - Overview
  - Methods
  - Results
- *Health of Wisconsin Report Card and State Scorecard on Health System Performance*
- Future Directions



## Introduction

- *Healthiest Wisconsin 2010* goals
  - Protect and promote health for all
  - Eliminate health disparities
- *Making Wisconsin the Healthiest State* project aims to examine ways to help make Wisconsin the healthiest state in the nation, with less disparity



## Background

- Wisconsin is losing ground in health compared to other states
- *America's Health Rankings* ranks states on various determinants of health but only addresses disparities in one area
- Other organizations measure disparities but have not graded states on overall disparities



## Overview of Report Card

- Grades Wisconsin on ...
  - Health
  - Health disparity
- Highlights ...
  - Life stages
  - Population subgroups
- Views health broadly to include...
  - Mortality
  - Health-related quality of life



## Overview of Report Card

Infants (less than 1 year of age)

Children and young adults (ages 1-24)

Working-age adults (ages 25-64)

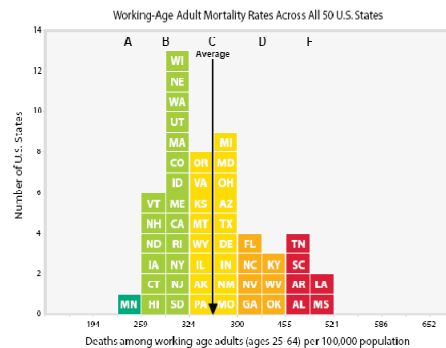
Older adults (ages 65+)

Gender	Men
	Women
Education	High school or less
	Some college/technical school
	College graduate
Type of county	Large urban (Milwaukee County)
	Suburban/urban
	Non-urban
	Rural
Race/ethnicity	African American/Black
	Asian
	Hispanic/Latino
	Native American
	White non-Hispanic



## Methods – grading *health*

- Created “curves” for each life stage and outcome based on the distribution of rates across the 50 states



## Methods – grading *health*

- Infants / children and young adults
  - Health grade is the grade for mortality
- Working-age adults / older adults
  - Health grade is the average of the grades for mortality and unhealthy days
- Wisconsin’s final grade for health is an average of the four life stage health grades



## Methods – grading *health disparity*

- Disparity score calculated for each life stage
  - Compares the grades of all life stage subgroups to the best subgroup grade
  - Disparity score can range from
    - 0% – all subgroups have the same grade, to
    - 100% – one subgroup grade is A and all remaining subgroup grades are Fs
- Wisconsin’s final grade for health disparity is an average of the four life stage health disparity grades



## Results

<i>Life stage</i>	<i>Health grade</i>	<i>Health disparity grade</i>
Infants (less than 1 year of age)	C	D
Children and young adults (ages 1-24)	B	D
Working-age adults (ages 25-64)	B	D
Older adults (ages 65+)	C	C
<b>All ages</b>	<b>B-</b>	<b>D</b>



# Wisconsin's Report Card for Infant Health

		Percent of Population	Mortality Rate (per 1000)	Grades		
<b>Infants (&lt; 1 year)</b>		100%	6.6		C	
Gender	Male	51%	6.9		C	
	Female	49%	6.2	B		
Education of mother	High school or less	45%	9.0			D
	Some college/technical school	24%	5.7	B		
	College graduate	31%	3.9	A		
Type of county	Large urban (Milwaukee County)	21%	10.3			F
	Suburban/urban	31%	4.8	A		
	Non-urban	36%	5.7	B		
	Rural	12%	7.0		C	
Race/ethnicity	African American/Black	9%	17.6			F
	Asian	3%	7.5		C	
	Hispanic/Latino	8%	1			
	Native American	1%	9.0			D
	White non-Hispanic	78%	5.1	B		

Health Grade

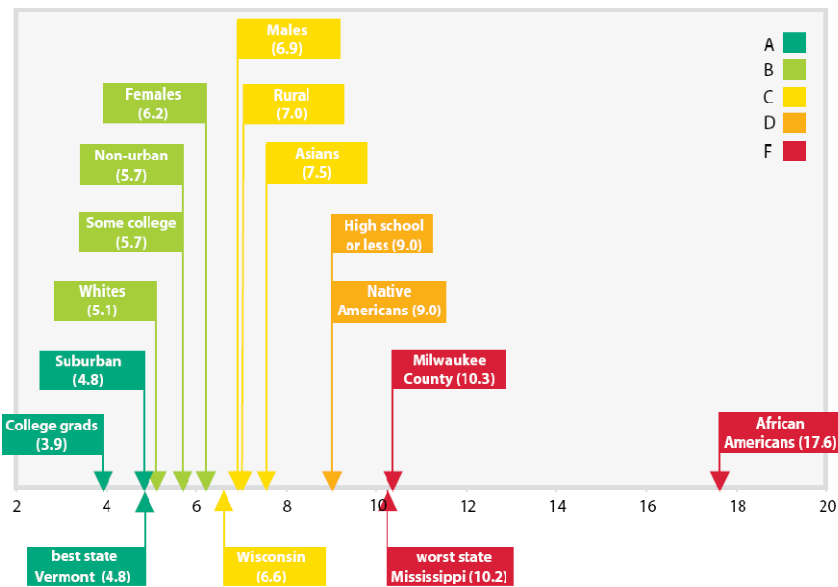
C

Health Disparity Grade

D



Wisconsin Infant Mortality Rates  
(Ages <1, rates per 1,000 population)



## Wisconsin's Report Card for Child and Young Adult Health

		Percent of Population	Mortality Rate (Per 100,000)	Grades			
<i>Children and Young Adults (1-24)</i>		100%	42	B			
Gender	Male	51%	58			D	
	Female	49%	25	A			
Type of county	Large urban (Milwaukee County)	18%	49		C		
	Suburban/urban	31%	36	B			
	Non-urban	38%	39	B			
	Rural	13%	52		C		
Race/ethnicity	African American/Black	9%	66				F
	Asian	3%	41	B			
	Hispanic/Latino	6%	1				
	Native American	1%	66				F
	White non-Hispanic	81%	39	B			

Health Grade

**B**

Health Disparity Grade

**D**



## Wisconsin's Report Card for Working-Age Adult Health

		Percent of Population	Mortality Rate (Per 100,000)	Grades			
<i>Working-Age Adults (25-64)</i>		100%	296	B			
Gender	Men	50%	367		C		
	Women	50%	225	A			
Education	High school or less	44%	459				F
	Some college/technical school	31%	212	A			
	College graduate	25%	188	A			
Type of county	Large urban (Milwaukee County)	17%	424			D	
	Suburban/urban	32%	247	A			
	Non-urban	37%	275		B		
	Rural	14%	319		B		
Race/ethnicity	African American/Black	5%	624				F
	Asian	2%	170	A			
	Hispanic/Latino	4%	1				
	Native American	1%	592				F
	White non-Hispanic	88%	279		B		



## Wisconsin's Report Card for Working-Age Adult Health

Unhealthy Days		Percent of Population	Unhealthy Days	Grades			
<i>Working-Age Adults (25-64)</i>		100%	5.3		B		
Gender	Men	50%	4.5	A			
	Women	50%	6.2				D
Education	High school or less	44%	6.2			C	
	Some college/technical school	31%	5.7			C	
	College graduate	25%	4.1	A			
Type of county	Large urban (Milwaukee County)	17%	6.1			C	
	Suburban/urban	32%	5.0		B		
	Non-urban	37%	5.2		B		
	Rural	14%	5.4		B		
Race/ethnicity	African American/Black	5%	8.4				F
	Asian	2%	1				
	Hispanic/Latino	4%	8.0				F
	Native American	1%	1				
	White non-Hispanic	88%	5.1		B		

Mortality Rate  
Unhealthy Days

Health Grade

B

Health Disparity Grade

D



## Wisconsin's Report Card for Older Adult Health

Mortality Rate		Percent of Population	Mortality Rate (Per 100000)	Grades			
<i>Older Adults (65+)</i>		100%	4720			C	
Gender	Men	42%	5732				F
	Women	58%	4049	A			
Education	High school or less	72%	5579				F
	Some college/technical school	16%	3855	A			
	College graduate	13%	4078	A			
Type of county	Large urban (Milwaukee County)	16%	5146				D
	Suburban/urban	27%	4651		B		
	Non-urban	38%	4588		B		
	Rural	19%	4732			C	
Race/ethnicity	African American/Black	3%	5060			C	
	Asian	1%	3050	A			
	Hispanic/Latino	1%	1				
	Native American	<1%	5154				D
	White non-Hispanic	95%	4701		B		





## Wisconsin's Report Card for Older Adult Health

Unhealthy Days		Percent of Population	Unhealthy Days	Grades	
Older Adults (65+)		100%	6.8		C
Gender	Men	42%	5.9	B	
	Women	58%	7.4		D
Education	High school or less	72%	7.0		C
	Some college/technical school	16%	7.2		D
	College graduate	13%	5.6	B	
Type of county	Large urban (Milwaukee County)	16%	8.1		F
	Suburban/urban	27%	6.2	B	
	Non-urban	38%	6.6		C
	Rural	19%	6.7		C
Race/ethnicity	African American/Black	3%	10.4		F
	Hispanic/Latino	1%	1		
	Native American	<1%	1		
	Other (includes Asian)	1%	1		
	White non-Hispanic	95%	6.7		C

Mortality Rate  
Unhealthy Days

Health Grade

C

Health Disparity Grade

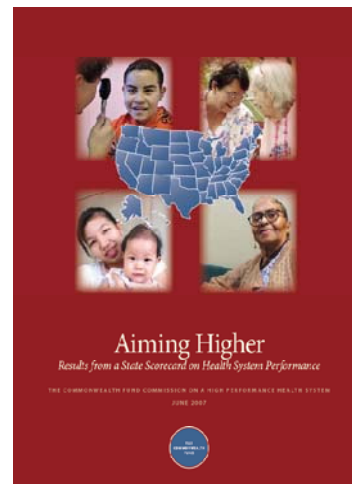
C



## Health of Wisconsin Report Card



## State Scorecard on Health System Performance



## Comparison

- Similarities: Both reports address:
  - Equity – Report Card focuses on health, Scorecard on health care
  - Healthy lives – similar focus, slightly different measures
- Differences: The Wisconsin Report Card does not include:
  - Access to health care
  - Quality of health care
  - Avoidable hospital use and costs



## Healthy Lives Comparison

	<b>Scorecard</b>	<b>Report Card</b>
Mortality	Infants Amenable to health care Breast cancer Colon cancer (2002 data)	Infants (2002-2004) Children/young adults Working-age adults Older adults (2002-2004 data)
Health-related quality of life	Limited activities (2004 data)	Unhealthy days (2003-2005 data)



## Future Directions

- Gathering and analyzing data on factors that influence health
- Reviewing evidence on effectiveness of programs/policies to impact factors that influence health
- Examining programs and policies in states who have better health and less disparity



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### For more information:

UWPHI website

[www.pophealth.wisc.edu/uwphi](http://www.pophealth.wisc.edu/uwphi)

