

# North Carolina Men's Health Report Card

Roxanne Leopper, MS

FirstHealth

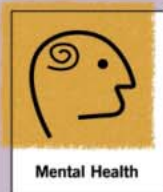
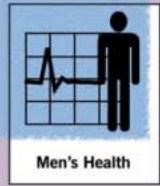
Community Voices

Chris Hoffman, MS

FirstHealth

Community Voices

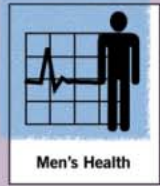
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# Partners

- FirstHealth Community Voices
- Cecil G. Sheps Center for Health Services Research
- North Carolina Department of Health and Human Services Division of Public Health

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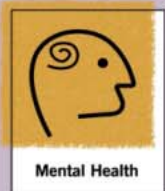
# Data Sources



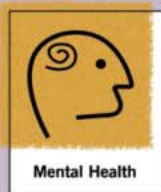
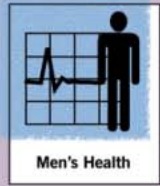
## ➤ National and State level data



- ❖ Vital Statistics (Death rates)
- ❖ Behavioral Risk Factor Surveillance System
- ❖ NC State Center for Health Statistics, 2000-2004
- ❖ NC HIV/STD Surveillance Report, 2005
- ❖ NC Department of Corrections
- ❖ Bureau of Labor Statistics
- ❖ US Census Bureau



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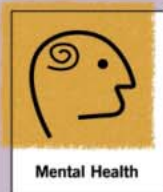
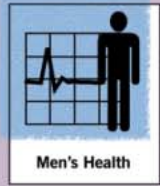


# Grading Methodology

## Trend Comparison

- Trends were assigned letter grades
- A = >20% improvement for the trend
- B = >10-20% improvement for the trend
- C = between 10% improvement and a 10% worsening for the trend
- D = > 10-20% worse for the trend
- F = >20% worse for the trend

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# Grading Methodology

## Comparison with U.S. Men

➤ Comparisons with U.S. Men were assigned letter grades

A = >20% better than the U.S. men

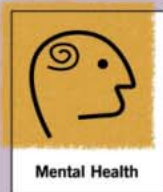
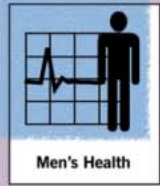
B = >10-20% better than the U.S. men

C = between 10% better and 10% worse for than U.S. men

D = > 10-20% worse than U.S. men

F = >20% worse than U.S. men

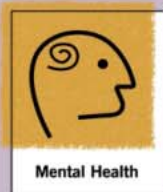
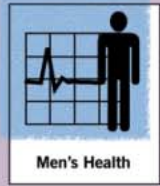
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# Comparison Groups

- North Carolina men past to present
- North Carolina men compared to U.S. men current
- Pending data availability compared ethnic groups to determine health disparities

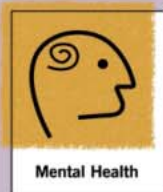
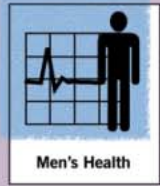
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# Categories

- Seven Health Categories
  - ❖ Chronic Disease
  - ❖ Infectious Disease
  - ❖ Substance Abuse/Mental health
  - ❖ Violence/Injuries
  - ❖ Barrier to Health
  - ❖ Preventive Health Practices
  - ❖ Dental Health

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# Indicators

## ➤ Summary

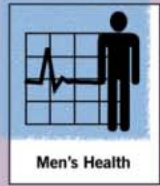
### ❖ 32 Indicators

😊 15% (n=5) Improved

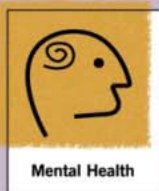
☹ 19% (n=6) Worse

😐 66% (n=21) Unchanged



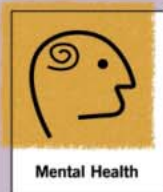
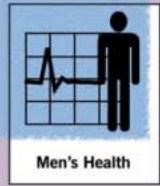


# North Carolina Men (age 18+)



<u>Race/Ethnicity</u>	<u>N.C.</u>	<u>U.S.</u>
<i>African American</i>	18.7%	10.6%
<i>American Indian/ Alaska Native</i>	1.1%	0.7%
<i>Asian</i>	1.3%	3.6%
<i>Hispanic</i>	5.6%	11.8%
<i>Native Hawaiian or Pacific Islander</i>	<0.1%	0.1%
<i>White/Non-Hispanic</i>	72.5%	71.8%
<i>Other</i>	0.1%	0.1%
<i>Two or more races</i>	0.7%	1.3%

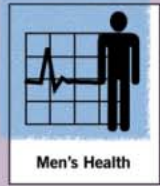




# Racial/Ethnic Disparities in NC

- HIV rate is 515% higher among African American men and 124% higher among Hispanic men than white men.
- 306% greater rate of homicide deaths among minority men versus white men.
- Unemployment rate of African American men is double that of white men.
- The incarceration rate of minority men is 640% greater than white men.
- Overall minority men have higher rates of infectious diseases.

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# Overall Trends

## Areas Where NC Men Are Improving



### ➤ Smoking Rates

Decreased by 16%



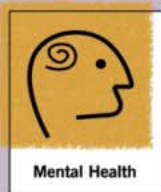
### ➤ Asthma Rates

Decreased by 11%

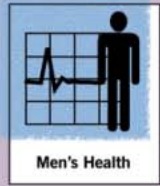


### ➤ Sigmoidoscopy or colonoscopic exam

Increased by 18%



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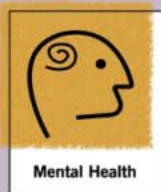


# Overall Trends

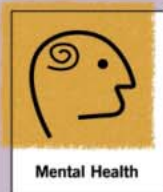
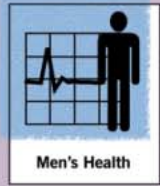


## NC Men Areas For Concern:

- Diabetes prevalence has increased by 33%
- Obesity in white men increased by 14%
- Incarceration rates increased by 10%
- Rate of uninsured increased by 13%
- Primary and secondary syphilis rates increased by 31%
- Chlamydia rates increased by 22%



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# Findings

## NC Men Compared to US Men

### ➤ NC men have higher mortality rates for

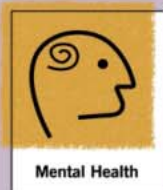
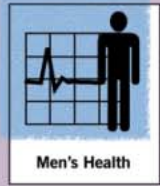
- Cerebrovascular disease
- Lung cancer
- Chronic lower respiratory disease
- Prostate cancer
- Motor vehicle accidents
- Homicides

### ➤ Compared to US minority men, NC minority men have higher mortality rates for

- Cerebrovascular disease
- Lung cancer
- Chronic lower respiratory disease
- Diabetes
- Prostate cancer
- Colorectal cancer

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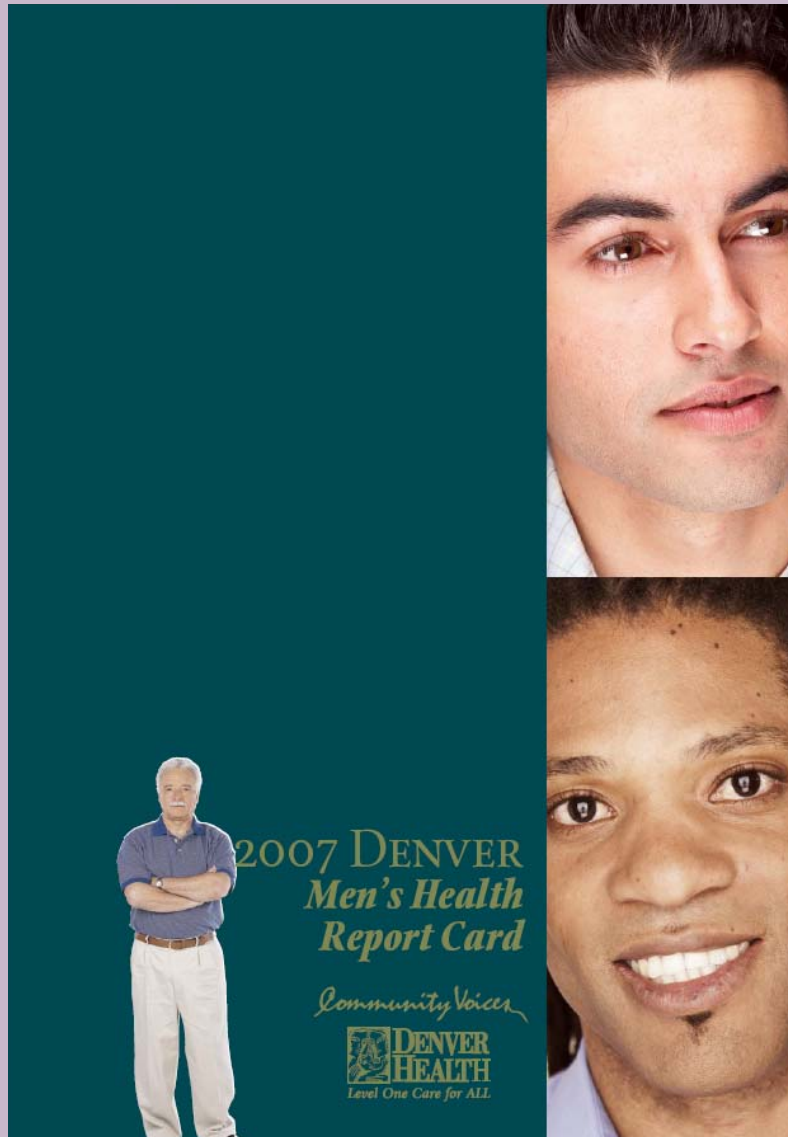
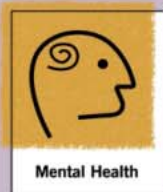
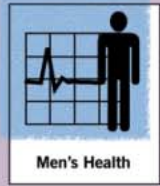
# Findings



## NC Men Compared to US Men

- Compared to US minority men, NC minority men have
  - 16% higher rate of diabetes prevalence
  - 17% higher rate of hypertension
  - 17% higher rate of high cholesterol
- Overall, NC men have
  - 13% higher rate of smoking
  - 21% higher rate of uninsured
  - 13% higher rate of poverty

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# Denver Men's Health Report Card

Liz Whitley, RN, PhD

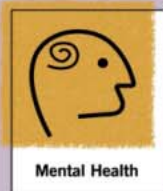
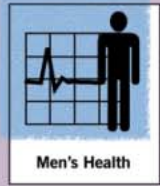
Denver Health

Community Voices

Jodi Drisko, MSPH

Colorado Department of  
Public Health and  
Environment

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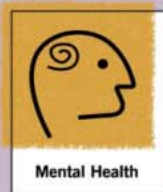
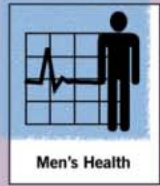


# Partners

- Denver Health Community Voices
- Colorado Department of Public Health and Environment
  - ❖ Health Statistics Section
  - ❖ HIV/STD Surveillance Section
- Denver Public Health
- Denver County Jail
- Denver Sheriff's Department
- Colorado Department of Labor

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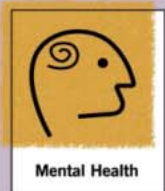
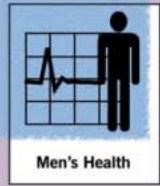




# Data Sources

- National, State and County level data
- ❖ Vital Statistics (Death rates)
- ❖ Behavioral Risk Factor Surveillance System
- ❖ HIV/STD Surveillance Data
- ❖ US Dept of Labor, Colorado Dept of Labor,
- ❖ Labor Market Information

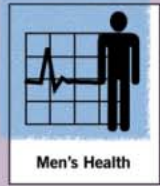
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# Data Sources

- ❖ American Community Survey – demographics, poverty
- ❖ Piton Foundation, poverty data for county
- ❖ Incarceration data – County Sheriff's, Denver city jail, Denver county jail, US Dept of Justice, Colorado Dept of Corrections

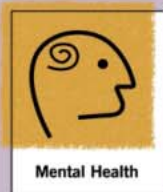
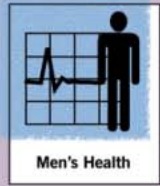
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# Grading/Trending Method

- Chose 3 categories based on 3-5 year trends for Denver Total Rate
  - ❖ Improved
  - ❖ Unchanged
  - ❖ Worse

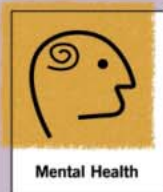
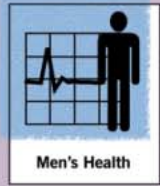
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# Comparison Groups

- National
- State
- County level - Within group differences

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# Indicators

## ➤ Summary

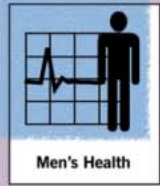
### ❖ 30 Indicators

😊 50% (n=15) Improved

☹️ 20% (n=6) Worse

😐 30% (n=9) Unchanged

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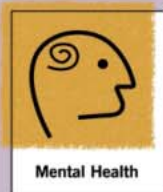


# Adult Men in Denver (age 18+)

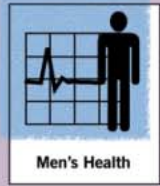


## *Race/Ethnicity*

African American	8.9%
Asian	3.1%
White/Non Hispanic	54.3%
Hispanic	32.2%
Other	1.5%
Total Number	206,480



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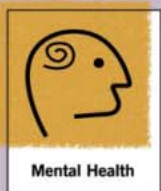


# Racial/Ethnic Disparities



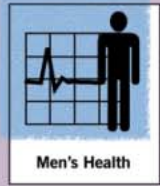
## HIV Incidence Rates (cases per 100,000)

<i>Race/Ethnicity</i>	<b>Denver</b>	<b>Colo</b>	<b>US</b>
	2006	2006	2005
African American	111.1	56.6	124.8
American Indian	113.9	28.2	19.1
Asian/PI	58.4	18.7	14.5
Hispanic	40.5	20.6	56.2
White/Non-Hispanic	85	12.2	18.2
<b>Total</b>	<b>69.5</b>	<b>17.2</b>	<b>36.2</b>



### Denver Trend 2003-2006: Improved





# Findings



## Areas Where Denver Men are Doing Well

### ➤ Obesity

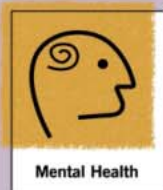
<1/5 are obese

### ➤ Leisure Time Physical Activity

Only 12% not engaged

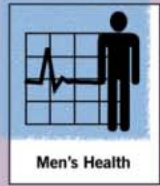
### ➤ High Blood pressure

Present in slightly >1/5



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# Findings



## Areas Where Denver Men are Doing Well

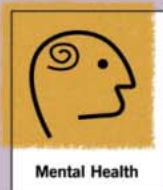
➤ Death Rates Improving for

Heart Disease

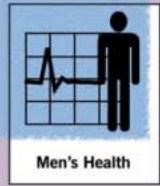
Diabetes

Colorectal Cancer

Lung Cancer



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# Findings

## Areas of Concern for Denver's Men



### ➤ Infectious Disease

Significantly higher incidence than Colorado & US



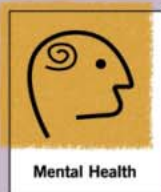
### ➤ Binge Drinking

28% binge drank in past month

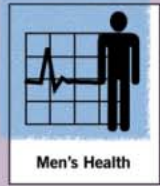


### ➤ Suicide

26.3 deaths per 100,000



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# Findings

## Areas of Concern for Denver's Men



### ➤ Incarceration

39,501 males arrested and booked

Almost  $\frac{3}{4}$  were repeat offenders



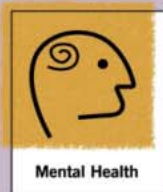
### ➤ Health Insurance

20% (age 18+) uninsured

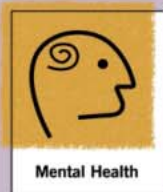
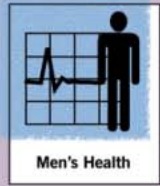


### ➤ Poverty

14% (all ages) below FPL



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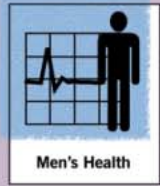


# New Mexico's Men's Health Report Card

**Wayne Powell, MA**  
New Mexico-Community Voices

**Tom Scharmen, MA MPH**  
New Mexico Department of  
Health

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# Partners



- New Mexico Department of Health
  - ❖ Region 3 Office of Community Assessment, Planning and Evaluation

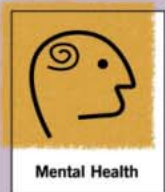


- ❖ Chronic Disease Bureau

- Institute for Public Health UNM HSC
- Health Evaluation and Research Office

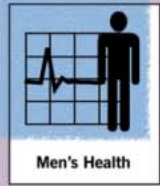


- Community Voices North Carolina
- Denver Community Voices



- Office of the Vice President for Community Health UNM HSC
- New Mexico Community Voices

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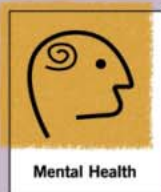


# Data Sources

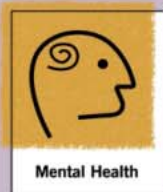
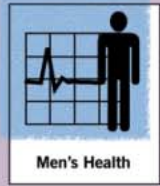


## ➤ National, State Level Data

- ❖ NM DOH Vital Records
- ❖ NM DOH Infectious Disease Bureau
- ❖ Behavioral Risk Factor Surveillance System
- ❖ UNM Bureau of Business and Econ. Research
- ❖ US Census Bureau
- ❖ US Bureau of Justice Statistics
- ❖ Center for Disease Control
- ❖ National Center for Health Statistics
- ❖ North Carolina CV and Denver CV



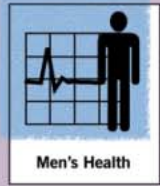
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# Grading/Trending Method

- Smaller Populations Required  
Combining Multiple Data Years for Sufficient numbers
- Oldest data available was compared to most recent (1995-1998 compared to 2003-2006)
- Risk Ratios Applied for Statistically Significant Trends (Up, Down, None)

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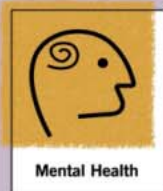
# Comparison Groups



➤ National

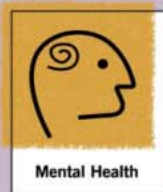
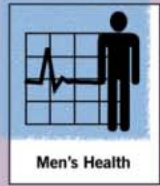


➤ State



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# Indicators

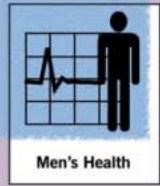
## ➤ Summary

### ❖ 30 Indicators

😊 10% (n=4) Improved

☹ 26% (n=8) Worse

😐 63% (n=18) Unchanged



# Adult Men in New Mexico-age 15+



## *Race/Ethnicity*

African American (16,767) 2.1%

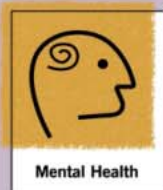
Asian (10,167) 1.3%

Hispanic (324,453) 41.6%

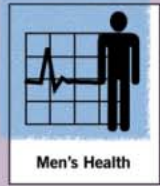
Native American (69,126) 8.9%

White (359,693) 46.1%

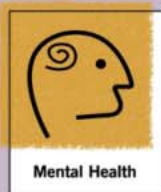
Total Number 780,226



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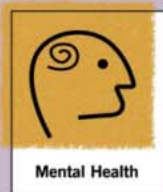
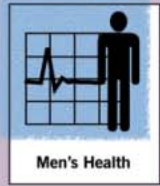
# Racial/Ethnic Disparities



- All Indicators were measured for 4 racial/ethnic groups
- Testing was conducted for time trends, not disparities
- Observed disparities may not have statistical significance

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# Findings



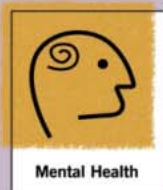
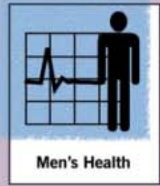
## ➤ Preventive Health Practices:

- ❖ Improvements in PSA and Sigmoidoscopy -colonoscopy rates overall

- ❖ High cholesterol rates rising (Hispanics, Whites & Overall)

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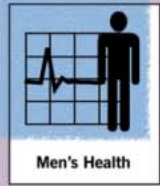
# Findings



## ➤ Chronic Disease and Mortality

- ❖ Diabetes increasing for Hispanic and White men
- ❖ Prostate Deaths up among Native American men
- ❖ Stroke Deaths down overall
- ❖ Lower Respiratory deaths overall are half the national rate and declining

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# Findings



- Infectious Diseases
  - ❖ STD rates increasing, HIV stable



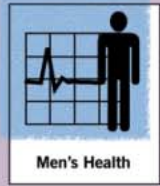
- Violence and Injuries



- ❖ Homicide down among African American men
- ❖ Motor Vehicle Deaths up overall
- ❖ Incarceration up by ~ 30% overall



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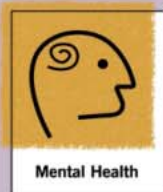
# Findings



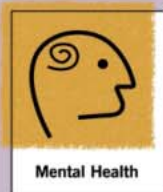
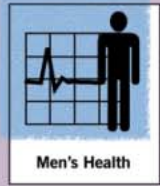
## ➤ Substance Abuse and Mental Health

- ❖ Current smokers – no change since 1998

- ❖ Suicide up among Native American and White men



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# Moderator and Audience Question & Answer Session

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