Central Role of Health in Our Society

“When health is absent, wisdom cannot reveal itself, art cannot become manifest, strength cannot fight, wealth becomes useless, and intelligence cannot be applied.”

- Herophilus of Chalcedon, 335-280 BC,
- Physician to Alexander the Great
### Top Causes of Death: U.S. 2000

Source: National Center for Health Statistics

<table>
<thead>
<tr>
<th>Cause of Death</th>
<th>Number of Deaths</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heart disease</td>
<td>710,760</td>
</tr>
<tr>
<td>Cancer</td>
<td>553,091</td>
</tr>
<tr>
<td>Stroke</td>
<td>167,661</td>
</tr>
<tr>
<td>Chronic lower respiratory disease</td>
<td>122,009</td>
</tr>
<tr>
<td>Unintentional injuries</td>
<td>97,900</td>
</tr>
<tr>
<td>Diabetes</td>
<td>69,301</td>
</tr>
<tr>
<td>Influenza/pneumonia</td>
<td>65,313</td>
</tr>
<tr>
<td>Alzheimer's</td>
<td>49,558</td>
</tr>
<tr>
<td>Kidney disease</td>
<td>37,251</td>
</tr>
<tr>
<td>Septicemia</td>
<td>31,224</td>
</tr>
<tr>
<td>All other causes</td>
<td>499,283</td>
</tr>
</tbody>
</table>

### The “Real” Top Causes of Death

U.S. 2000

Source: Mokdad et al, JAMA 2004 March 10; 291 (10):1238-45

<table>
<thead>
<tr>
<th>Cause of Death</th>
<th>Number of Deaths</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tobacco</td>
<td>435,000</td>
<td>18%</td>
</tr>
<tr>
<td>Diet/activity</td>
<td>365,000</td>
<td>15%</td>
</tr>
<tr>
<td>Alcohol</td>
<td>85,000</td>
<td>4%</td>
</tr>
<tr>
<td>Microbial agents</td>
<td>75,000</td>
<td>3%</td>
</tr>
<tr>
<td>Toxic agents</td>
<td>55,000</td>
<td>2%</td>
</tr>
<tr>
<td>Motor vehicles</td>
<td>43,000</td>
<td>1%</td>
</tr>
<tr>
<td>Firearms</td>
<td>29,000</td>
<td>1%</td>
</tr>
<tr>
<td>Sexual behavior</td>
<td>20,000</td>
<td>&lt;1%</td>
</tr>
<tr>
<td>Illicit use of drugs</td>
<td>17,000</td>
<td>&lt;1%</td>
</tr>
</tbody>
</table>
Ten Great Public Health Achievements – United States, 1900-1999

- Vaccination
- Motor-vehicle safety
- Safer workplaces
- Control of infectious diseases
- Fluoridation of drinking water
- Safer and healthier foods
- Healthier mothers and babies
- Family planning
- Decline in deaths from coronary heart disease and stroke
- Recognition of tobacco use as a health hazard

Factors Influencing Health Status

Proportional Contribution to Premature Death

- Behavioral patterns: 40%
- Genetic predisposition: 30%
- Social circumstances: 15%
- Environmental exposure: 5%
- Health care: 10%
MDH Role in Health and Health Care

- Assessment
- Policy Development
- Assurance

MDH

Health Care
- Medical Care
- Clinical Preventive Services
- Community Health Services

Other Influences On Health
- Education
- Economy
- Housing
- Scientific advances
- Knowledge
- Social norms
- Recreation
- Transportation
- Media/Entertainment
- Sense of community
- Many more

Health Promotion
Health Protection
Disease/Injury Prevention
Surveillance & Monitoring

Expenditures for Health in the United States

Medical Care and Biomedical Research (97%)
Prevention (3%)

Where our funding comes from
FY2012-2013 Base Budget - $1.08 billion, all funds
Source – Biennial Budget System

- General Fund
- Federal Funds
- TANF
- Medical Education Research Costs Fund
- State Gov’t Special Revenue Fund—non-dedicated fees
- Health Care Access Fund—provider and premium tax revenue
- Miscellaneous Special Revenue Fund—agency contracts

Where our funding goes
FY2012-2013 Base Budget - $1.08 billion, all funds
Source – Biennial Budget System

58% of MDH’s budget is passed through as grants to local governments, tribal governments, and community-based organizations.
Where our general fund goes

FY2012-2013 Base Budget - $152 million
Source – Biennial Budget System

- MDH-based activities: $54 M (36%)
- Pass-through grants: $98 M (64%)

All Funds by Program

FY2012-2013 Base Budget - $1.08 billion
Source – Biennial Budget System

- Community & Family Health Promotion: $485 M (45%)
- Health Protection: $224 M (21%)
- Administrative Support Services: $83 M (8%)
- Policy Quality & Compliance: $289 M (27%)
General Fund by Program
FY2012-2013 Base Budget - $152 million
Source – Biennial Budget System

- Community & Family Health Promotion: $96 M (63%)
- Health Protection: $19 M (12%)
- Administrative Support Services: $15 M (10%)
- Policy Quality & Compliance: $22 M (14%)

Community & Family Health Promotion By Fund
FY2012-2013 Base Budget - $485 million
Source – Biennial Budget System

- General Fund: $96 M (20%)
- SGSR Fund: $2 M (<1%)
- HCA Fund: $3 M (<1%)
- MSR Fund: $5 M (1%)
- Federal Funds: $355 M (73%)
- Federal TANF: $23 M (5%)

- State Gov't Special Revenue Fund—non-dedicated fees
- Health Care Access Fund—provider and premium tax revenue
- Miscellaneous Special Revenue Fund—agency contracts
Community & Family Health Promotion
By Expenditure Category
FY2012-2013 $485 million, all funds
Source – Biennial Budget System

MDH-based activities
$95 M (20%)

Pass-through Grants
$389 M (80%)

Community & Family Health Promotion
General Fund by Expenditure Category
FY2012-2013 Base Budget - $96 million
Source – Biennial Budget System

MDH-based activities
$14 M (14%)

Pass-through Grants
$82 M (85%)
Community & Family Health Promotion

General Fund Grants
FY2012-13 Base Budget - $82.4 million
Source – Biennial Budget System

- Local Public Health Act Funding $48.9 M (59%)
- Family Planning Grants $8.4 M (10%)
- Tobacco Use Prevention $6.4 M (8%)
- Disparities Grants $6.3 M (8%)
- Positive Alternatives $4.7 M (6%)
- Fatal Alcohol Syndrome $3.3 M (4%)
- Poison Information Centers $2.3 M (3%)
- Cancer Control $1 M (1%)
- Other Grants $1.1 M (1%)

Community and Family Health Promotion
General Fund Administration
FY2012-2013 Base Budget - $13.5 million
Source – Biennial Budget System

- Chronic Disease and Environmental Epidemiology $2.7 M (20%)
- Other Community and Family Health activities $9.9 M (6%)
- Cancer Control $1 M (7%)
- Birth Defects Information System $3.3 M (24%)
- Other Health Promotion & Chronic Disease Activities $2 M (15%)
- MN Children with Special Health Needs $6 M (4%)
- Maternal and Child Health $1.7 M (12%)
- Minority and Multicultural Health $1.5 M (11%)
Community and Family Health Promotion
TANF Activities’
FY2012-2013 Base Budget - $23.5 million
Source – Biennial Budget System

- Local Public Health - Home Visiting $13.9 M (60%)
- Tribal Home Visiting $1.7 M (7%)
- Family Planning $2.3 M (10%)
- Disparities $4 M (17%)
- Other $1.5M (6%)

Policy, Quality & Compliance
By Fund
FY2012-2013 Base Budget – $289 million
Source – Biennial Budget System

- General Fund
- Federal Funds
- Medical Education Research Costs Fund
- State Gov’t Special Revenue Fund—non-dedicated fees
- Health Care Access Fund—provider and premium tax revenue
- Miscellaneous Special Revenue Fund—agency contracts
- MERC Funds (Incl. Cigarette Tax) $169 M (59%)
- General Fund $22 M (8%)
- SGSR Fund $28 M (10%)
- MSR Fund $36 M (12%)
- HCA Fund $22 M (8%)
- Other Federal Funds $11 M (4%)
- State Gov’t Special Revenue Fund—non-dedicated fees $23 M (9%)

Note: Images of pie charts showing budget allocations for each category.
Policy, Quality & Compliance
By Expenditure Category
FY2012-2013 $289 million, all funds
Source – Biennial Budget System

MDH-based activities
$100 M (34%)

Pass-through Grants
$190 M (66%)

Policy, Quality & Compliance
General Fund by Expenditure Category
FY2012-2013 Base Budget - $22 million
Source – Biennial Budget System

MDH-based activities
$11.2 M (51%)

Pass-through Grants
$10.7 M (49%)
**Policy, Quality & Compliance**

**General Fund Grants**

FY2012-13 Base Budget - $10.7 million

Source – Biennial Budget System

- **Rural Hospital Capital Improvement** $3.5 M (33%)
- **Federally Qualified Health Centers** $5 M (47%)
- **Comprehensive Advanced Life Support System (CALS)** $0.7 M (7%)
- **Indian Health Grants** $0.3 M (3%)
- **Loan Forgiveness** $0.3 M (3%)
- **Migrant Grants** $0.2 M (2%)
- **Community Clinics** $0.6 M (6%)

**Policy, Quality & Compliance**

**General Fund Administration**

FY2012-13 Base Budget - $11.2 million

Source – Biennial Budget System

- **Health Policy** $5.3 M (47%)
- **Health Facility Licensing and Certification (state share)** $3.6 M (32%)
- **Health Facility Case Mix Review** $2.1 M (19%)
- **Other Compliance Activities** $0.3 M (3%)
- **Other Compliance Activities** $0.3 M (3%)
Policy, Quality & Compliance
MERC Fund — Where the funding comes from
FY2012-13 Base Budget - $169 million
Source – Biennial Budget System

- PMAP Carve Out: $99.1 M (59%)
- PMAP Add-On: $43.4 M (26%)
- Federal Match: $9 M (5%)
- Cigarette Tax: $17.1 M (10%)

Policy, Quality & Compliance
MERC Fund — Where the funding goes
FY2012-13 Base Budget - $169 million
Source – Biennial Budget System

- General Distribution Formula: $114.3 M (67.7%)
- HCMC Innovations: $2.1 M (1%)
- Dental Innovations: $2.2 M (1%)
- Administration: $39.2 M (<1%)
- U of M: $10.7 M (6%)
Health Care Access Fund
By Expenditure Category
FY2012-2013 Base Budget - $25 million
Source – Biennial Budget System

- MDH-based activities: $20 M (81%)
- Pass-through Grants: $5 M (19%)

Health Care Access Fund Grants
FY2012-13 Base Budget - $4.8 million
Source – Biennial Budget System

- Federally Qualified Health Centers: $1 M (21%)
- Rural Hospital Grants: $6 M (12%)
- Summer Intern Grants: $6 M (12%)
- Community Health Grants: $6 M (10%)
- Health Career Grants: $3 M (6%)
- Other Grants: $3 M (7%)
- Loan Forgiveness Program: $1.5 M (31%)
Health Care Access Fund
Program Administration
FY2012-13 Base Budget - $21 million
Source – Biennial Budget System

- Rural Health and Primary Care $3.7M (18%)
- Data/Project Initiative $1.9M (9%)
- Health Economics $3.2M (15%)
- Health Care Homes $3.4M (17%)
- Health Care Transformation $6.6M (32%)
- Other Health Policy $1.8M (9%)

Policy, Quality & Compliance
SGSR Programs - Compliance
FY2012-13 Base Budget - $28.1 million
Source – Biennial Budget System

- State Registrar $7.2M (26%)
- Facility Licensing & Certification $8.7M (31%)
- Professional Licensing, Regulating $2.9M (10%)
- Vulnerable Adults $5.2M (18%)
- Adverse Events $0.8M (3%)
- Fathers Adoption $0.3M (1%)
- Other Activities $4M (1%)
Health Protection
By Fund
FY2012-2013 Base Budget - $224 million
Source – Biennial Budget System

- General Fund
- Federal Funds
- State Gov't Special Revenue Fund—non-dedicated fees
- Miscellaneous Special Revenue Fund—agency contracts

- Federal Funds $124 M (56%)
- Other Funds $1 M (<1%)
- SGSR Fund $61 M (27%)
- MBR Fund $19 M (8%)
- General Fund $19 M (8%)
- Other Funds $1 M (<1%)

- General Fund
- Federal Funds
- State Gov't Special Revenue Fund—non-dedicated fees
- Miscellaneous Special Revenue Fund—agency contracts

Health Protection
By Expenditure Category
FY2012-2013 Base Budget - $224 million, all funds
Source – Biennial Budget System

- MDH-based activities $180 M (80%)
- Pass-through Grants $44 M (20%)
Health Protection
General Fund by Expenditure Category
FY2012-2013 Base Budget - $19 million
Source – Biennial Budget System

- MDH-based activities: $14 M (77%)
- Pass-through Grants: $4 M (23%)

Health Protection
General Fund Grants
FY2012-13 Base Budget - $4.3 million
Source – Biennial Budget System

- AIDS Program: $2.6 M (59%)
- Lead Services Grant: $1 M (22%)
- TB Meds and Outreach: $0.3 M (7%)
- Refugee Health TB (Disparities): $0.5 M (11%)
Health Protection
General Fund Administration
FY2012-2013 Base Budget - $14.4 million
Source – Biennial Budget System

- Immunization, TB, and International Health: $1.1 M (7%)
- Acute Disease Investigation and Control: $2.1 M (15%)
- Other Infectious Disease Epidemiology Prevention and Control Activities: $.9 M (7%)
- Environmental Surveillance and Assessment: $2.4 M (16%)
- Indoor Environment Quality: $1.2 M (8%)
- Environmental Health Mgmt and other Services: $1.9 M (13%)
- STD and HIV: $1 M (7%)
- Public Health Laboratory: $4.4 M (30%)
- Emergency Preparedness: $2 M (1%)

Health Protection
SGSR Fee Programs
FY2012-13 Base Budget - $60.9 million
Source – Biennial Budget System

- Newborn Screening: $13.8 M (23%)
- Food, Beverage Lodging and Certification: $10.1 M (17%)
- Drinking Water Protection: $17.3 M (28%)
- Well Management: $7.1 M (12%)
- X-Ray Equipment: $2.8 M (5%)
- Other Fee Programs: $4.3 M (7%)
- Pool Safety: $1.3 M (2%)
- Radioactive Materials: $1.4 M (2%)
- Hospitality: $1.4 M (2%)
- Lab Accreditation: $1.5 M (2%)
Administrative Support Service
By Fund
FY2012-2013 Base Budget - $83 million
Source – Biennial Budget System

- General Fund
- Federal Funds
- Miscellaneous Special Revenue Fund—indirect cost

Federal
$12 M (14%)

General Fund
$15 M (19%)

MSR Funds
$56 M (67%)

Administrative Support Services
By Expenditure Category
FY 2012-13 Base Budget - $83 million
Source - Biennial Budget System

- MDH-based activities
  $82 M (99.5%)

- Pass-through Grants
  <$1 M (<1%)
Administrative Support Service
General Fund Administration
FY2012-2013 Base Budget - $15.5 million
Source – Biennial Budget System

Assure a strong system for health.
Thank You & Questions