Texas Public Health Priorities

Update and Discussion

Background

Texas faces major health challenges
- Rising health care costs
- New health threats evolving
- High rates of chronic disease
- In 2015, 5 of the top 6 causes of death were chronic diseases, such as diabetes, heart disease and cancer
Texas Public Health Priorities

- DSHS is a new agency as of 9/1/2017, with a renewed focus on public health

- Texas Public Health Priorities initiative aims to collectively improve health where Texans live, learn, work, worship, and play

Texas Public Health Priorities

- DSHS will serve as the convener and catalyst for this broad effort

- The work of Texas Public Health Priorities initiative will extend beyond any of our individual organizations
Texas Public Health Priorities

- Stakeholders to identify and partner on public health priorities
- Data driven process to identify needs and track outcomes
- Identify and improve outcomes for 3-5 public health priorities by 2023

Texas Public Health Priorities
Guiding Considerations

- Morbidity, Mortality & Quality of Life
- Economic Impact
- Health Disparities
- Urban, Rural & Border Health
- Feasibility & Opportunity
- Across the Lifespan
Phase I: Stakeholder Outreach

Timeline

- **August**: Initial In-Person Meetings with Key Stakeholders
- **September**: Webinars/Webcast Meetings
- **October**: Focused Survey After Webinars
- **November**: Survey Review & Analysis
- **December**: Begin Planning Broader Stakeholder Engagement & Propose Health Priorities

Phase I: Current

- DSHS has engaged diverse stakeholders
  - E.g., Public health internal and external to DSHS, academia, state agencies, non-profits, professional associations, etc.
- Input is collected through meetings, webinars, surveys, review of advisory council and other reports, position statements, etc.
Phase II: 2019-2023

2019-2023:
- Ongoing stakeholder collaboration will play a key role in the development and implementation of initiatives that address target outcomes
- Set data-driven, time-bounded goals for each priority

Data Overview

1. Summary of Other States & Local Plans
2. Mortality & Disease Burden
3. Healthcare Costs in Texas
4. Prevalence of Risk Factors & Modifiable Behaviors
Part 1: Summary of Other States & Local Plans

Analysis of 44 state health improvement plans

Most Frequent Priorities in SHIPs

Number of Jurisdictions

- Chronic Disease
- Tobacco
- Health Disparities/Health Equity
- Behavioral Health
- Access to Care
- Injury Prevention
- Maternal and Child Health
- Infectious/Communicable Diseases
- Immunization
- Environmental Health
- Cancer
- Oral Health
- Asthma
- Emergency Preparedness

Courtesy of Association of State and Territorial State Health Officers
Health Priorities in Texas Community Health Improvement Plans (CHIPs)

<table>
<thead>
<tr>
<th>Williams County</th>
<th>Tarrant County</th>
<th>Houston</th>
<th>Dallas County</th>
<th>Austin/Travis County</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mental Health</td>
<td>Education</td>
<td>Access to Quality Care</td>
<td>Behavioral Health</td>
<td>Mental Health</td>
</tr>
<tr>
<td>Access to Healthcare</td>
<td>Environment</td>
<td>Behavioral Health</td>
<td>Health Access</td>
<td>Diabetes</td>
</tr>
<tr>
<td>Awareness of Healthcare Resources</td>
<td>Healthcare Access</td>
<td>Childhood Obesity</td>
<td>Maternal, Infant, and Child Health</td>
<td>Access to Healthcare</td>
</tr>
<tr>
<td>Active Living Partnerships</td>
<td>Chronic Disease</td>
<td>Environmental Health</td>
<td>Older Adults and Aging Population</td>
<td>Transportation</td>
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<tr>
<td>Chronic Disease</td>
<td></td>
<td>HIV/AIDS</td>
<td></td>
<td>STI/HIV</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Maternal and Child Health</td>
<td></td>
<td>Affordability of HealthCare</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Stress</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Dental Health</td>
</tr>
</tbody>
</table>

Part 2:
Mortality & Disease Burden
# Texas Top Causes of Mortality, 2013-2016

<table>
<thead>
<tr>
<th>Year</th>
<th>#1 Cause of Death</th>
<th>#2 Cause of Death</th>
<th>#3 Cause of Death</th>
<th>#4 Cause of Death</th>
<th>#5 Cause of Death</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016</td>
<td>Heart Disease (43,772 deaths)</td>
<td>Cancer (40,195 deaths)</td>
<td>Stroke (10,673 deaths)</td>
<td>Accidents (10,536 deaths)</td>
<td>Chronic Lower Respiratory Disease (10,107 deaths)</td>
</tr>
<tr>
<td>2015</td>
<td>Heart Disease (43,298 deaths)</td>
<td>Cancer (39,121 deaths)</td>
<td>Stroke (10,485 deaths)</td>
<td>Accidents (10,231 deaths)</td>
<td>Chronic Lower Respiratory Disease (9,976 deaths)</td>
</tr>
<tr>
<td>2014</td>
<td>Heart Disease (41,479 deaths)</td>
<td>Cancer (38,847 deaths)</td>
<td>Stroke (9,898 deaths)</td>
<td>Accidents (9,723 deaths)</td>
<td>Chronic Lower Respiratory Disease (9,668 deaths)</td>
</tr>
<tr>
<td>2013</td>
<td>Heart Disease (40,203 deaths)</td>
<td>Cancer (38,412 deaths)</td>
<td>Chronic Lower Respiratory Disease (9,800 deaths)</td>
<td>Accidents (9,395 deaths)</td>
<td>Stroke (9,283 deaths)</td>
</tr>
</tbody>
</table>

Source: [https://www.cdc.gov/nchs/pressroom/states/texas/texas.htm](https://www.cdc.gov/nchs/pressroom/states/texas/texas.htm)

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# Stroke Mortality by State, 2016

[Map of Stroke Mortality by State 2016](https://www.cdc.gov/nchs/pressroom/states/texas/stroke.htm)

Source: Centers for Disease Control and Prevention
Top Causes of Overall Health Burden, Texas, 2005-2016

1. Ischemic Heart Disease
2. Low Back and Neck Pain
3. Road Injuries
4. Skin Diseases
5. Diabetes
6. Lung Cancer
7. Stroke
8. Drug Use Disorders
9. COPD
10. Depression

Accidental Poisoning where Any Opioid was involved, Texas

Source: Institute for Health Metrics and Evaluation; healthdata.org

Source: Texas Health Data

11/26/2018 Source: Texas Health Data
New HIV Diagnoses, Persons Living with HIV and HIV Deaths in Texas

New HIV Diagnoses, Persons Living with HIV, and Deaths in Texas since 1980

Texas Tuberculosis Cases by County

Texas Counties with the Most TB Cases - 2016

<table>
<thead>
<tr>
<th>County</th>
<th>Cases</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harris</td>
<td>284</td>
</tr>
<tr>
<td>Dallas</td>
<td>185</td>
</tr>
<tr>
<td>Hidalgo</td>
<td>84</td>
</tr>
<tr>
<td>Bexar</td>
<td>66</td>
</tr>
<tr>
<td>Tarrant</td>
<td>82</td>
</tr>
<tr>
<td>Cameron</td>
<td>52</td>
</tr>
<tr>
<td>Travis</td>
<td>52</td>
</tr>
<tr>
<td>El Paso</td>
<td>43</td>
</tr>
<tr>
<td>Webb</td>
<td>39</td>
</tr>
<tr>
<td>Fort Bend</td>
<td>27</td>
</tr>
</tbody>
</table>

Source: DSHS, eHARS, ARIES
Part 3:

Healthcare Costs in Texas

Rising Texas Healthcare Costs

Texas Healthcare Spending Report Fiscal 2015; Texas Comptroller of Public Accounts
January 31. 2017
Top 5 Costs of Chronic Disease in Texas

<table>
<thead>
<tr>
<th>Healthcare Costs</th>
<th>Medicaid Costs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cancer ($9.44 billion)</td>
<td>Diabetes ($1.13 billion)</td>
</tr>
<tr>
<td>Diabetes ($9.16 billion)</td>
<td>Hypertension ($1.08 billion)</td>
</tr>
<tr>
<td>Arthritis ($8.17 billion)</td>
<td>Stroke ($1.07 billion)</td>
</tr>
<tr>
<td>Hypertension ($8.13 billion)</td>
<td>Other heart disease ($649 million)</td>
</tr>
<tr>
<td>Coronary Heart Disease ($6.83 billion)</td>
<td>Asthma ($630 million)</td>
</tr>
</tbody>
</table>

Year: 2010; Source: Texas Comptroller of Public Accounts; Measure: Direct medical costs to treat chronic disease (All Payer & Medicaid)

Top 10 Inpatient Hospital Costs in Texas (2016)

<table>
<thead>
<tr>
<th>Inpatient Hospital Costs, All Payers</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Diseases of the heart ($3.9 billion)</td>
</tr>
<tr>
<td>2. Bacterial infection ($2.8 billion)</td>
</tr>
<tr>
<td>3. Complications ($1.8 billion)</td>
</tr>
<tr>
<td>4. Liveborn ($1.5 billion)</td>
</tr>
<tr>
<td>5. Fractures ($1.4 billion)</td>
</tr>
</tbody>
</table>

Year: 2016; Source: DSHS Office of Science & Population Health, Preliminary Analysis; Texas Healthcare Information Collection and Agency for Healthcare Research & Quality (Cost to charge ratio files)
Part 4:

Prevalence of Risk Factors & Modifiable Behaviors

Influenza Vaccine Coverage by State, 2017-2018 Flu Season

Texas: 37.6%

Source: National Immunization Survey-Flu (NIS-Flu) and Behavioral Risk Factor Surveillance System (BRFSS), 2017-2018 influenza season
Immunization Child Coverage (19 – 35 months) estimates for seven key vaccine series combined in the U.S., Texas, and Local Jurisdictions, 2017

PERCENTAGE VACCINATED

- U.S. National
- Texas
- City of Houston
- Bexar County
- El Paso County
- Dallas County
- Travis County

Teen Immunization Coverage Estimates in the U.S. and Texas, 2016

Percentage

- HPV vaccine, ≥1 dose
- HPV vaccine, Up-To-Date

Source: https://www.dshs.texas.gov/immunize/coverage/NIS/
Percentage of Infants Ever Breastfed, 2014

[Map of the United States showing breastfeeding rates by state.]

Source: CDC National Immunization Survey

Percentage of suicide-behaviors in H.S. Students (2017)

[Bar chart showing percentages of students who felt sad or hopeless, considered suicide, made a plan for suicide, attempted suicide, and had a suicide attempt that resulted in doctor treatment for Texas and the U.S.]

Source: High School Youth Risk Behavior Survey (YRBS), CDC, 2017
Percentage of H.S. students who did not participate in at least 60 minutes of physical activity on at least 1 day in the past week, 2017, Texas and U.S.

![Graph](image)

Source: High School Youth Risk Behavior Survey (YRBS), CDC, 2017

Current Smoking Status in Adults, Texas 2011 – 2017, by Income Level

![Graph](image)

Source: Texas BRFSS
Prevalence of Obesity in Adults, Texas 2011 – 2017, by income level

Prevalence of Self-Reported Obesity Among U.S. Adults, BRFSS, 2017

Source: Texas BRFSS
Source: https://www.cdc.gov/obesity/data/prevalence-maps.html
Stakeholder Engagement

Overview

Activities

- Stakeholder engagement sessions were convened with internal and external groups
  - To date, 23 external sessions held, reaching more than 150 groups
  - To date, 7 DSHS internal engagement sessions held, reaching over 300 employees.

- Stakeholder input gathered to:
  - Identify and prioritize critical health issues
  - Gauge capacity and willingness to partner with DSHS to address those health issues
External Stakeholder Groups Engaged

- Public Health Funding and Policy Committee
- Texas Association of City and County Health Officials
- Texas Medical Association
- Texas Public Health Association
- Governing Council
- Local Health Departments
- Texas Hospital Association
- Texas Public Health Coalition *36 organizations
  - Texas Pediatric Society
  - Texas Health Institute
  - American Heart Association
  - Texas Dental Association
  - +32 others
  - Superior Health Plan
  - Texas Association of Health Plans
- Public Health Emergency Preparedness programs
- Statewide Health Coordinating Council (SHCC)
- Texas Nurses Association
- American Association of Diabetes Educators
- Blue Cross Blue Shield
- Texas Health Improvement Network
- TMA Council of Science and Population Health
- Texas Medicaid
- Michael and Susan Dell Foundation
- Texas Council on CVD and Stroke
- It’s Time Texas
- American Diabetes Association
- American Cancer Society

External Stakeholder Input: Broad Categories

- chronic disease
- healthcare access
- infectious disease
- behavioral health
- substance use
- social determinants
- women’s health
- health disparities
- disaster preparedness
- environmental health
- injury prevention
- child health
External Stakeholder Input: Chronic Disease Examples

- risk factor, obesity
- diabetes
- risk factor, tobacco
- heart disease
- cancer
- risk factor, nutrition
- risk factor, physical activity
- hypertension
- cancer screening
- musculoskeletal conditions
- stroke
- chronic disease management
- COPD
- pediatric asthma

External Stakeholder Input: Access to Care Examples

- provider shortages
- uninsured
- lack of preventive care
- rural health
- specialty care
- medicaid waiver
- high cost health plans
**External Stakeholder Input: Infectious Disease Examples**

- Vaccine preventable disease
- Sexually transmitted disease
- Tuberculosis
- Vector-borne disease
- Antibiotic resistance
- Emerging infectious disease
- Zika
- Ebola

**Discussion**

**Broad themes:**
Chronic disease, Infectious Disease, and Access to Care

**Specific themes:**
1. Obesity/physical activity/nutrition
2. Mental health
3. Vaccine preventable disease
4. Diabetes
5. Tobacco
6. Sexually transmitted disease
7. Heart disease
8. Provider shortages
9. Drug use
10. Disaster preparedness
11. Women’s health
12. Tuberculosis
13. Breast feeding
14. Injury Prevention
We want to hear from you!

https://www.surveymonkey.com/r/DSHS_Public_Health_Priorities_R2

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