Creating a Stronger Data Infrastructure for Suicide Prevention

February 25, 3:00-4:00pm ET
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The views, opinions, and content expressed in this product do not necessarily reflect the views, opinions, or policies of CMHS, SAMHSA, or HHS.
SPRC Facilitator

Kristen Quinlan, Ph.D.
SPRC Epidemiologist

Presenter

Kirk Bol, MSPH
Manager, Registries & Vital Statistics Branch
Colorado Center for Health & Environmental Data

Presenter

Jenna Heise, MA
Texas State Suicide Prevention Coordinator
Today’s Agenda:

- Overview of the State Infrastructure Report: Methods and Product
- Overview of the Data Infrastructure Supplement: Methods and Product
- Real-World Examples of Data Infrastructure Recommendations
Definition

State Suicide Prevention Infrastructure:

A state’s concrete, practical foundation or framework that supports suicide prevention-related systems, organizations, and efforts including the fundamental parts and organization of parts that are necessary for planning, implementation, evaluation, and sustainability.
How Were the State Infrastructure Recommendations Developed?

- Literature review & environmental scan
- Key informant interview
- Advisory panel: 25+ diverse public and private organizations
  - Work groups
- Consultation with state suicide prevention coordinators
- Feedback from target audiences
Data Infrastructure Supplement
Organization of the Recommendations

- Leadership
- Partnership
- Systems for Identifying and Sharing Data
- Systems for Analyzing Data
- Systems for Using Data
- Connecting with State Systems
Creating a Stronger Data Infrastructure for Suicide Prevention

The Colorado Experience

Kirk Bol, MSPH
Vital Statistics Program
Colorado Department of Public Health and Environment
Establish Core Leadership Positions and Leadership Buy-In for Building Data Infrastructure to Support Suicide Prevention
Establish Partnerships, Coalitions, and/or Prevention Centers to Support Data Infrastructure
Establish a System for Identifying Data Sources and Sharing Data
CHARACTERISTICS OF A SUCCESSFUL DATA INFRASTRUCTURE

Locally-available data

Connections with under-represented communities

Plan to address data gaps

Consider locally-collected data

Foster state-level commitment

Develop technical and legal infrastructure
<table>
<thead>
<tr>
<th>Suicide Deaths</th>
<th>Hospitalizations</th>
<th>Emergency Department Visits</th>
<th>Suicide Risk</th>
</tr>
</thead>
<tbody>
<tr>
<td>State Vital Records Offices (Vital statistics Programs)</td>
<td>Hospital discharge data (state hospital associations)</td>
<td>ED visit data (state hospital associations)</td>
<td>Adults-Health surveys (Behavioral Risk Factor Surveillance System/BRFSS)</td>
</tr>
<tr>
<td>National/State Unintentional Drug Overdose Reporting System (SUDORS)</td>
<td>Linked ED visit-mortality data (ED Follow-Up)</td>
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</tbody>
</table>
### State
- Maximize ability to stratify data by all available characteristics
- Scan of areas of high burden and relative risk
- Connect with statewide suicide prevention efforts

### County
- Incorporate county-level characteristics of populations at risk (including Census and ACS data)
- Identify local suicide prevention partners

### Community
- Focus on community-level events and response (including census tract)
- Opportunity for local-level data collection around risk and capacity to address (suicide review, Sources of Strength)

### Provider
- Quantitative metrics on outcomes of patients seen within health care facilities
- Ability to follow at-risk patients across systems and providers
Underrepresented Populations

Provisional Data

Permissions to Share Data

Commitments to Share Data

Data Linkage
Establish a System for Analyzing Data
ANALYZING DATA SUCCESSFULLY

- Maintain dedicated staff
- Capacity for targeted analysis
- Budgetary support for appropriate analytic tools
- Quality assurance for data collected and analyzed
- Mindful of data gaps and limitations
Data collection

Data analysis

Data use and feedback

Analyzing data

Quality assurance

Reporting and visualization
WELCOME TO

MAN THERAPY

Life throws you curveballs, sometimes right at your manhood.
Establish a System for Using Data
ENSURING SUCCESSFUL USE OF DATA

Regular reporting to suicide prevention partners

Responsive to inquiries and communicate locally

Capacity to address emerging questions

Incorporate best practices for communicating and presenting data

Use multiple data sources

Julie Kafka, MPH (1); Ethan Jamison, MPH (2); Kirk Bol, MSPH (2)
(1) Gillings School of Global Public Health, University of North Carolina
(2) Center for Health and Environmental Data, Colorado Department of Public Health and Environment

Alcohol and Suicide in Colorado, 2011-2015: Analyses from the Colorado Violent Death Reporting System

Kacy Crawford, MPH; Ethan Jamison, MPH; Andy Waster, PhD, MPH

<table>
<thead>
<tr>
<th>GENDER IDENTITY</th>
<th>Rallied at School During Last 12 Months</th>
<th>Experienced Teaching of Game Calling Due to Perceived Sexual Orientation</th>
<th>Experienced Teaching of Game Calling Due to Perceived Gender Identity</th>
<th>Do Not Feel Safe at School</th>
<th>Do Not Have An Adult They Could Go To For Help with School Problems</th>
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</thead>
<tbody>
<tr>
<td>Transgender</td>
<td>53%</td>
<td>48%</td>
<td>47%</td>
<td>43%</td>
<td>55%</td>
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<tr>
<td>Cisgender</td>
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<td>14%</td>
<td>4%</td>
<td>1%</td>
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</tr>
</tbody>
</table>
PRESENTATION

Colorado Suicide Prevention Commission

Colorado Coroners Association

Colorado Public Health Association Annual Conference

National Violent Death Reporting System Annual Meeting

Local Suicide Prevention Collaboration Meetings
DATA REQUESTS

- General Public
- State and Local Public Health Partners
- Suicide Prevention Organizations (non-profits)
- Colorado Legislature and Other Policy-makers
- Researchers
Suicide Among Health Care Practitioners and Technicians in Colorado: An Epidemiological Study

Analysis of the Effects on Time Between Divorce Decree and Suicide.

Premeditated versus "passionate": patterns of homicide related to intimate partner violence.

Previous Suicide Attempt and Its Association With Method Used in a Suicide Death.
Collect, Analyze, and Use Data from State Systems
Ensure useful information gets into the hands of those who can make a difference

Maintain connections with and fully support suicide prevention leadership and colleagues within agency

Engage with external suicide prevention partners through data sharing, presentation and openness to collaborate

Consider and acquire relevant data for use in data analysis and reporting

Establish and empower dedicated analytic and epidemiology staff to support internal and external partners

Ensure useful information gets into the hands of those who can make a difference

Support prevention programs’ uses of data to respond to state and local concerns
THANKS!

More questions?
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kirk.bol@state.co.us
303-692-2170
COLORADO RESOURCES AND SOURCES

Colorado Vital Statistics Program
https://www.colorado.gov/pacific/cdphe/vital-statistics-program

Colorado Violent Death Reporting System & Suicide Data Dashboard
https://www.colorado.gov/pacific/cdphe/colorado-violent-death-reporting-system

Colorado Office of Suicide Prevention and Suicide Prevention Commission

Man Therapy
https://mantherapy.org/

Colorado Overdose Prevention Program and Overdose Data Dashboard
https://www.colorado.gov/pacific/cdphe/opioid-prevention

Colorado Consortium for Prescription Drug Abuse Prevention & Data Dashboard
http://www.corxconsortium.org/
Questions/Comments

How might you use the information just presented? (check all that apply)

• To build leadership buy-in for suicide prevention data infrastructure.
• To establish a new partnership to support data infrastructure.
• To establish a system for identifying new data sources.
• To make recommendations on new types of analyses
• To generate new ways to disseminate data.
• Something else?
Texas State Suicide Prevention Data Infrastructure

Texas Health and Human Services Commission

Office of Mental Health Coordination

Suicide Prevention Team
State Suicide Prevention Data Infrastructure Recommendations

- Establish core leadership positions and leadership buy-in for building data infrastructure to support suicide prevention.
- Establish partnerships, coalitions, and/or prevention centers to support data infrastructure.
- Collect, analyze, and use data from state systems.
**Recommendation 1:**
**Core Leadership Positions and Buy-In**

<table>
<thead>
<tr>
<th>National Recommendations at a Minimum</th>
<th>Texas Suicide Prevention Infrastructure</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Suicide Prevention Coordinator (SPC) position transcends grant funding sources.</td>
<td>• Texas State SPC supported in Texas Administration Code and funded with general revenue.</td>
</tr>
<tr>
<td>• SPC versed in data-driven decision-making, will act on data-based findings.</td>
<td>• SPC general knowledge from training and Master’s degree. True education was on-the-job training.</td>
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<tr>
<td></td>
<td>• Texas leadership hired an epidemiologist to support SPC and team.</td>
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<td>• Goal of all initiatives is to intentionally utilize data.</td>
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</table>
Core Leadership in Data Infrastructure

**National Recommendations at a Minimum**

- Identify a “data champion” beyond state SPC.
- Informally build capacity of state leadership to understand basics of data-driven decision making—remember shifting priorities based on data findings.
- Systematize data infrastructure planning to continues beyond staff transitions.

**Texas Suicide Prevention Infrastructure**

- SPC Team works with community partners
- SPC team writing detailed suicide data report for Texas legislators in H.B. 3980
- State Suicide Prevention Coalition
- Statewide strategic plans
- Coordinating with state councils
- Communications department support
- Data dashboard, briefs
Robust Data Infrastructure for Suicide Prevention:

• Identify a role or entity within the state suicide prevention office that will advance these recommendations.

• Ensure that high-level leaders receive formal training in data driven decision-making.

• Demonstrate at the state department leadership level explicit commitment to integrating suicide prevention data and surveillance into existing efforts.
HHSC Suicide Prevention Team

- State Suicide Prevention Coordinator as Team Lead
- Suicide Safe Care Coordinator / Zero Suicide - Suicide Care Initiative
- Suicide Prevention Policy & Outcomes Coordinator - data/epidemiology
- RYSE Grant / Suicide Prevention Youth Grant Project Coordinator
- Suicide Care & Project AWARE Co-Coordinator – collaboration with the Texas Education Agency
- Mental Health Program for Veterans and Suicide Prevention Coordinator
**IDD-BH Services Suicide Prevention Efforts**

**Suicide Prevention Administrative Structure**
- Veterans Suicide Prevention Coordinator
- Statewide Suicide Prevention Coordinator
- Suicide Safe Care Coordinator
- Youth Suicide Prevention Grant Project Director
- Suicide Prevention Policy, Programs, and Outcomes Specialist
- Project AWARE / Suicide Prevention Specialist

**Suicide Specific Initiatives**
- Governor’s Challenge to Prevent Suicide Among SMVF
- Mayor’s Challenge to Prevent Suicide Among SMVF
- Resilient Youth, Safer Environments (RYSE)
- Suicide Care Initiative Block Grant Project
- National Suicide Prevention Lifeline Expansion (NSPL)*

**Behavioral Health Programs & Services**
- Outpatient Mental Health Services
- Substance Use Disorder (SUD) Services
  - Outreach, Screening, Assessment, and Referral Services (OSAR)
  - Residential SUD Services
- Crisis Services
  - Crisis Hotlines
  - Mobile Crisis Outreach Teams
  - Crisis Facilities
- Inpatient Psychiatric Hospital Services
- Disaster Behavioral Health
- Jail Diversion

**Behavioral Health Programs**
- Mental Health Program for Veterans (Gov. Code §434.352)
- Texas Veterans + Family Alliance (SB 55-84R)
- Community Mental Health Grant Program (HB 13-85R)
- Grant Program for Justice-Involved Individuals (SB 292-85R)
- Healthy Community Collaboratives (SB 58-83R, SB 1849-85R)

**Data Analysis**
- Suicidal Thoughts
- Suicide Attempts
- Suicide Death
- LMHA/LBHA Performance Measures (Form Y)

**Reports**
- Statewide Behavioral Health Strategic Plan (HB 1 Article IX, Section 10.04-84R)
- Short-term Action Plan to Prevent Veteran Suicides (SB 578-85R)
- Long-term Action Plan to Prevent Veteran Suicides (SB 578-85R)
- Summary Report on Suicide (HB 3980-86R)

**Color Legend:**
- Office of Mental Health Coordination
- Veterans Mental Health Coordination and Programs
- Policy, Systems Coordination and Programming
- Stakeholder Engagement and Strategic Planning
- Behavioral Health Services

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* NSPL expansion is part of the Suicide Care Initiative in addition to the NSPL grant.
* These programs and services are not all suicide prevention specific, however, suicide prevention is a desired outcome.
* The reports provide specific information or recommendations which may be implemented through policy, administrative action, or funding action.

www.sprc.org
Recommendation 2. Partnerships & Coalitions

• **Ensure that community voices are present in determining data related priorities and needs:**
  - Texas Zero Suicide implementation teams
  - Youth grant structure includes community leaders
  - Strategic Behavioral Health Coordinating Council
  - Legislation such as H.B. 3980

• **Connect state and local stakeholders to state suicide prevention leadership to explore data sharing and use:**
  - Texas State Suicide Prevention Coalition
  - Local Suicide Prevention Coalitions and LMHAs
  - SPC team and local SPC sharing death data legislation with leaders and medical examiners.
  - Initiatives for data sharing for veteran suicide prevention
Integrating Suicide Prevention and SMVF State Infrastructure and Community Supports

SMVF Focus

- Education Service Centers
- Workforce Development Boards
- Suicide Care Initiative
- Mental Health Program for Veterans

Texas Suicide Prevention Council, State Partners & Local Coalitions

HHSC Suicide Prevention Team, OMHC Initiatives, Federal/State/Local Providers, Partners
Overview of Suicide in Texas

- Suicide mortality in Texas is just the tip of the iceberg.

- For every death in Texas, there are over 49 attempts resulting in:
  - Six calls to Poison Control;
  - Almost five ER admissions; and
  - Nearly four inpatient hospitalizations per death.
Using Data to Inform Policy and Practice

• House Bill 3980 being implemented by SPC Team;

• Bill authored by Representative Todd Hunter in the 86th Regular Legislative Session;

• HHSC required to prepare a summary report and legislative report for the 87th Regular Legislative Session; and

• Twenty-year review of data, statutes, programs, and policies affecting suicide in the state of Texas.
House Bill 3980

• Data from eight data sources:
  ▸ Mortality
  ▸ Poison Control
  ▸ Hospital Discharge and Emergency Department
  ▸ Veterans Affairs
  ▸ Behavioral Risk Factor Surveillance System (BRFSS) and Youth Risk Behavior Survey (YRBS)

• Requested policies and programs collected from 23 state agencies.

• Statutes related to everything from health and safety to education to criminal procedure to property.
On average, one person dies by suicide every three hours in the state.

Twice as many people die by suicide in Texas annually than by homicide.
The total deaths to suicide reflect a total of 76,713 years of potential life lost (YPLL) before age 65.

Suicide cost Texas a total of $3,516,245,000 of combined lifetime medical and work loss cost in 2010, or an average of $1,216,273 per suicide death.

*Based on most recent 2016 data from CDC. Learn more at afsp.org/statistics.

2016 Texas Suicide Statistics

11th leading cause of death in Texas

- 2nd leading cause of death for ages 15-34
- 4th leading cause of death for ages 35-44
- 5th leading cause of death for ages 45-54
- 10th leading cause of death for ages 55-64
- 16th leading cause of death for ages 65 & older

Number of Deaths by Suicide = 3,488
High School Students Who Attempted Suicide in the Past 12 Months, in Texas and the U.S.*

*Texas Youth Risk Behavior Survey 2001-2017
Texas Adults Who Seriously Considered Suicide in the Past 12 Months by Age Group and Sexual Orientation*

*Three-Year Combined Prevalence, 2016-2018 Texas Behavior Risk Factor Surveillance System (BRFSS)
Texas Adults Who Seriously Considered Suicide in the Past 12 Months by Age and Disability Status*

*Three-Year Combined Prevalence, 2016-2018 Texas Behavior Risk Factor Surveillance System (BRFSS)
Texas High School Students Who Attempted Suicide in the Past 12 Months by Self-Identified Sexual Orientation*

*Texas Youth Risk Behavior Survey 2017
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Suicide Prevention Data for Each LMHA

Local Authorities and HHS Service Area Regions

Local Mental Health/Behavioral Health Authorities and Local Intellectual and Developmental Disability Authorities*

*Authorities serve as both LMHA/LBHA and LIDDDA except as indicated

Source: Health and Human Services Commission, Behavioral Health Services
Suicide Care Initiative Project #1

- **Regional Suicide Care Support Centers (RSCSCs)** to serve as regional suicide care workforce development and technical assistance (TA) centers for their regions.

- Will provide evidence-based/best practice-based suicide-specific instructor trainings, as well as TA via webinars and learning collaborative conference calls, to support implementation of the Zero Suicide initiative throughout the LMHAs within their identified region.
Regional Breakdown Public of Mental Health System

- Regional Suicide Care Support Centers (RSCSCs)
- The Harris Center for Mental Health & IDD
- Integral Care
- MHMR Tarrant
- Tropical Texas Behavioral Health
Youth Suicide Prevention Grant

Short Title: RYSE GRANT

- Resilient Youth Safer Environments (RYSE)
- Five-Year Youth Suicide Prevention Grant 2019-2023
- Annual award of $736,000 to HHSC from Substance Abuse and Mental Health Services Administration
## RYSE Strategies and Partnerships

<table>
<thead>
<tr>
<th>Strategies</th>
<th>Partnerships</th>
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<tbody>
<tr>
<td>Evidence-based training</td>
<td>Santa Fe Independent School District</td>
</tr>
<tr>
<td>Hire local/regional suicide prevention teams</td>
<td>City of Santa Fe</td>
</tr>
<tr>
<td>Parent and peer groups</td>
<td>Gulf Coast LMHA</td>
</tr>
<tr>
<td>Establish local suicide prevention coalition</td>
<td>Education Service Center Region 4</td>
</tr>
<tr>
<td>Coordinate transitions in clinical care with policy and staff</td>
<td>University of Texas at Austin, Texas Institute for Excellence in Mental Health</td>
</tr>
<tr>
<td>Specialized youth mobile crisis workers</td>
<td>Texas Suicide Prevention Council</td>
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<tr>
<td>Use Zero Suicide model in emergency rooms, LMHAs, hospitals</td>
<td>Resiliency Center</td>
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<tr>
<td>Suicide Safer Schools model</td>
<td>Texas Children's Hospital</td>
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<tr>
<td>Early intervention and prevention framework for other youth serving agencies</td>
<td>Texas Education Agency, Hope Squads, Zero Suicide Institute, LOSS Team, Texas School Safety Center</td>
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</tbody>
</table>
New Resources / Developments

- Suicide Prevention Wallet Card – English & Spanish
- Youth Suicide Data Dashboard – in process
- CDC – State of the States Report / web redesign
- Presentations, technical assistance and webinars related to data based decisions making
- Texas Health Steps Suicide & Youth Modules
- Suicide Prevention Resource Center Microsite/Toolkit State Suicide Prevention Infrastructure (SPRC Website)
- BRFSS proposal – just approved for 2020
- NVDRS Grant from CDC began 2019
- Short Term Action Plan for Veteran Suicide Prevention (Senate Bill 578, 85th Session)
Thank You!

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Jennifer.hausslergaring@hhsc.state.tx.us
(512) 380-4341
Questions/Comments

How might you use the information just presented? (check all that apply)

• To build leadership buy-in for suicide prevention data infrastructure.
• To establish a new partnership to support data infrastructure.
• To establish a system for identifying new data sources.
• To make recommendations on new types of analyses.
• To generate new ways to disseminate data.
• Something else?
To access State Infrastructure Recommendations & Tools:

http://www.sprc.org/stateInfrastructure/tools
What’s new in the tools section?

- Data Infrastructure Recommendations
- More State Infrastructure Success Stories
- Getting Started Guide
- Essential Elements Assessment Tool
- Timeline Development Worksheet
- And more!

http://www.sprc.org/stateInfrastructure/tools
Thank you!

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