Development of a State Tobacco Database
for the RWJF ImpacTeen Study

Gary A. Giovino, Ph.D., M.S.
Roswell Park Cancer Institute
Buffalo, New York

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Background

- Historical Activities at the State Level -- legislative, regulatory, programmatic
- OSH/CDC
- NIH - NHLBI/NCI
- RWJF
- ANR
- SAMHSA
- FDA
- MSA
Process

- Grant to Roswell Park Cancer Institute (Mike Cummings)
- Identify data sources/determine gaps
- Assess utility of new data to fill the identified gaps
- Determine the feasibility of obtaining this information
- Systematically update the data warehouse
  - Using feedback from expert panel
  - Using agent, host, vector, environment model
- For public dissemination and use
- For eventual turnover to CDC
Tobacco Control
Model of Nicotine Addiction

Tobacco Products

Agent

Environment
Cultural, Political
Economic, and
Historical

Vector
Tobacco Product
Manufacturers

Incidental Host
Involuntary
Smoker

Host
Smoker / Chewer

Source: Orleans & Slade, 1993
Surveillance

Definition:
- the ongoing systematic collection, analysis, and interpretation of health data that are essential to the planning, implementation, and evaluation of public health practice.

Evolution of surveillance in the 20th Century:

1900s - individual contacts of infected persons
1950s - communicable diseases
1970s - selected chronic diseases
1990s - behavioral, occupational, and environmental risk factors

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About the STATE System

The State Tobacco Activities Tracking and Evaluation (STATE) System is an electronic data warehouse containing up-to-date and historical state-level data on tobacco use prevention and control. The STATE System is designed to integrate many data sources to provide comprehensive summary data and facilitate research and consistent interpretation of the data. The STATE System was developed by the Centers for Disease Control and Prevention in the Office on Smoking and Health, National Center for Chronic Disease Prevention and Health Promotion.

Acknowledgments

Comments/Questions
Uses of the STATE System
An Electronic Information Warehouse

• Tracking Summary Measures
• Facilitating Reporting and Research
• Monitoring Goals and Objectives
• For Program Development and Evaluation
Contributors:

- CDC: OSH, DASH, DACH, NCCDPHP IRM, PSB, CDC/IRM
- NCI: CPS, Legislative Tracking
- RWJF/ImpacTeen
- RTI
- 51 State Health Departments
Consumers:

- Public
- RWJF ImpacTeen
- State Health Departments
- Research Community
- DHHS
- Global System
- Coordinated Evaluations
Choose one of the key topics below to begin browsing the STATE System data.

Browse Topics

Behaviors
- Cigarette Use
- Other Tobacco Use

Demographics
- Population Estimates

Economics
- Tobacco Industry

Health Consequences and Cost
- Health Consequences
- Costs

Legislation
- Smokefree Indoor Air
- Youth Access
- Preemption
- Excise Tax
- Licensure
- Advertising

Program Implementation
- Cigarette Sales to Underage Persons

Behaviors
- Cigarette Use
  - Smoking Status (Adults)
  - Current Smoking (Adults)
### Current Cigarette Smoking (Adults)

**Help on this page**

<table>
<thead>
<tr>
<th>Overall and Gender</th>
<th>Race/Ethnicity</th>
<th>Age</th>
<th>Education</th>
</tr>
</thead>
<tbody>
<tr>
<td>California 1997</td>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>

#### Overall and Gender

<table>
<thead>
<tr>
<th>Current Smoking</th>
<th>Percent (%)</th>
<th>95% CI</th>
<th>Sample Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall</td>
<td>18.4</td>
<td>1.4</td>
<td>4,059</td>
</tr>
<tr>
<td>Gender</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Male</td>
<td>22.4</td>
<td>2.3</td>
<td>1,758</td>
</tr>
<tr>
<td>Female</td>
<td>14.5</td>
<td>1.6</td>
<td>2,301</td>
</tr>
</tbody>
</table>
### Current Cigarette Smoking Among Adults Aged 18 and Older, 1997

<table>
<thead>
<tr>
<th>State</th>
<th>Prevalence (Percentage)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alabama</td>
<td>24.7</td>
</tr>
<tr>
<td>Alaska</td>
<td>26.7</td>
</tr>
<tr>
<td>Arizona</td>
<td>21.1</td>
</tr>
<tr>
<td>Arkansas</td>
<td>28.5</td>
</tr>
<tr>
<td>California</td>
<td>18.4</td>
</tr>
<tr>
<td>Colorado</td>
<td>22.6</td>
</tr>
<tr>
<td>Connecticut</td>
<td>21.8</td>
</tr>
<tr>
<td>Delaware</td>
<td>26.6</td>
</tr>
<tr>
<td>District of Columbia</td>
<td>18.8</td>
</tr>
<tr>
<td>Florida</td>
<td>23.6</td>
</tr>
<tr>
<td>Georgia</td>
<td>22.4</td>
</tr>
</tbody>
</table>
Choose a year and quarter from the pull down menu and click “Go”.

Year and Quarter

1998, 4th Quarter ▼ Go

Cigarette Excise Taxes — 1998, 4th Quarter

< $0.25 (20 States)

$.25 -- $.49 (15 States)

$.50 + (16 States)

Source: Centers for Disease Control and Prevention

Comments/Questions

Office on Smoking and Health
National Center for Chronic Disease Prevention and Health Promotion
Centers for Disease Control and Prevention
ImpacTeen Complementary Variables

- Epidemiologic:
  - Survey data:
    - CPS (e.g., home smoking, worksite ETS exposure, opinions)
    - BRFSS (e.g., children’s ETS exposure)
    - YRBSS (e.g., transitional behaviors, frequency, CPD, source of cigarettes)
  - Health Consequences:
    - Lung Cancer mortality rates
ImpacTeen Complementary Variables

- Per capita sales data (bi-monthly)
- Legislative/Policy:
  - Historical reconstruction (back to 1989 SGR)
  - Smokers’ rights legislation
  - Reimbursement for pharmacotherapy
  - Enforcement
- Price of tobacco products
- Programmatic:
  - Funding (current and use of settlement funding)
  - Strength of Tobacco Control

Sources: 1997 Youth Risk Behavior Survey (14-18 year old public school students)
1997 Behavioral Risk Factor Survey (adults 18+ years old)
Plot of CIGMN*SMKPV.
Plot of SOMPV*SMKPV
Future Considerations

- Add more variables
  - Demonstrate their usefulness
- Maintaining data quality
- Undertake new data collection
Paradigm for Tobacco Control

- Minors' access
- Advertising

- Cessation activities
- Prevention activities
- Clean indoor air
- Regulation/Liability
- Price/Economic

Individual

Tobacco Addiction

Society