



Visualizing Data in Microsoft Office

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OFFICE ON SMOKING AND HEALTH

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The findings and conclusions in this presentation are those of the author and do not necessarily represent those of the Centers for Disease Control and Prevention.

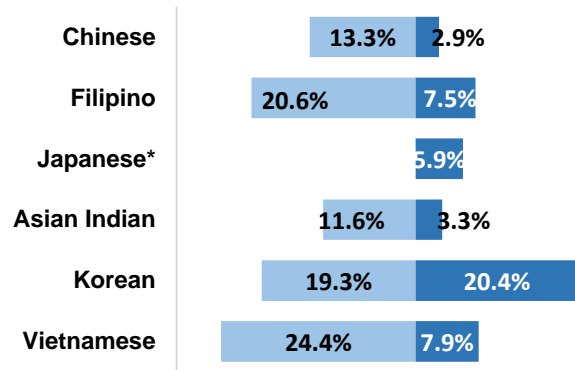
Agenda

- Customized Chart Types
- Pivot Tables & PowerPivot
- Interactive Dashboard
- Word and PowerPoint

Custom Chart Types

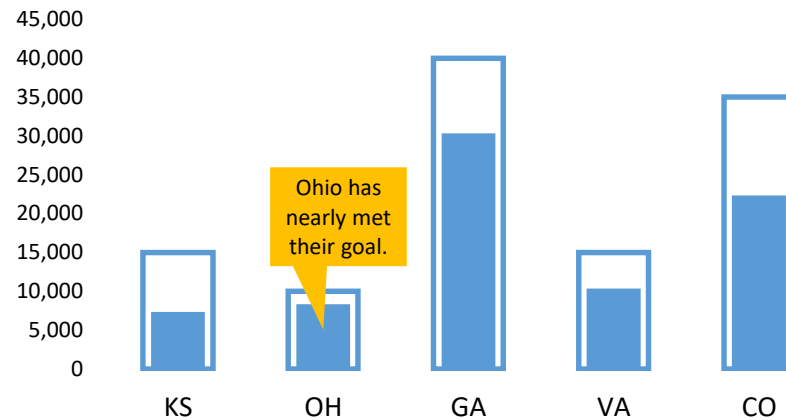
A. Back-to-back Chart

Past 30-day cigarette use among persons aged ≥18 years, by Asian subgroups and sex, United States 2010–2013



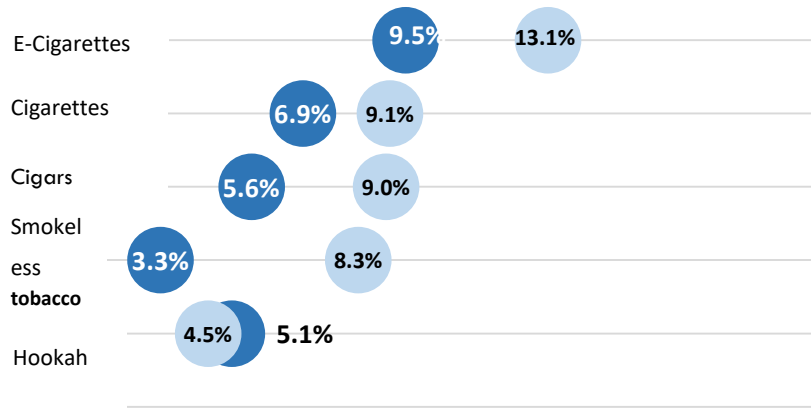
B. Overlapped Clustered Column Chart

Quitline Volume, January-June 2017*



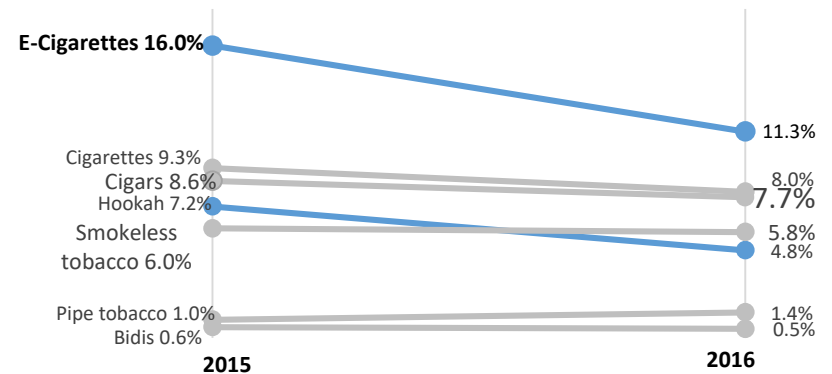
C. Dot Plot

High School Tobacco Use in the past 30 days by sex — NYTS, United States, 2016



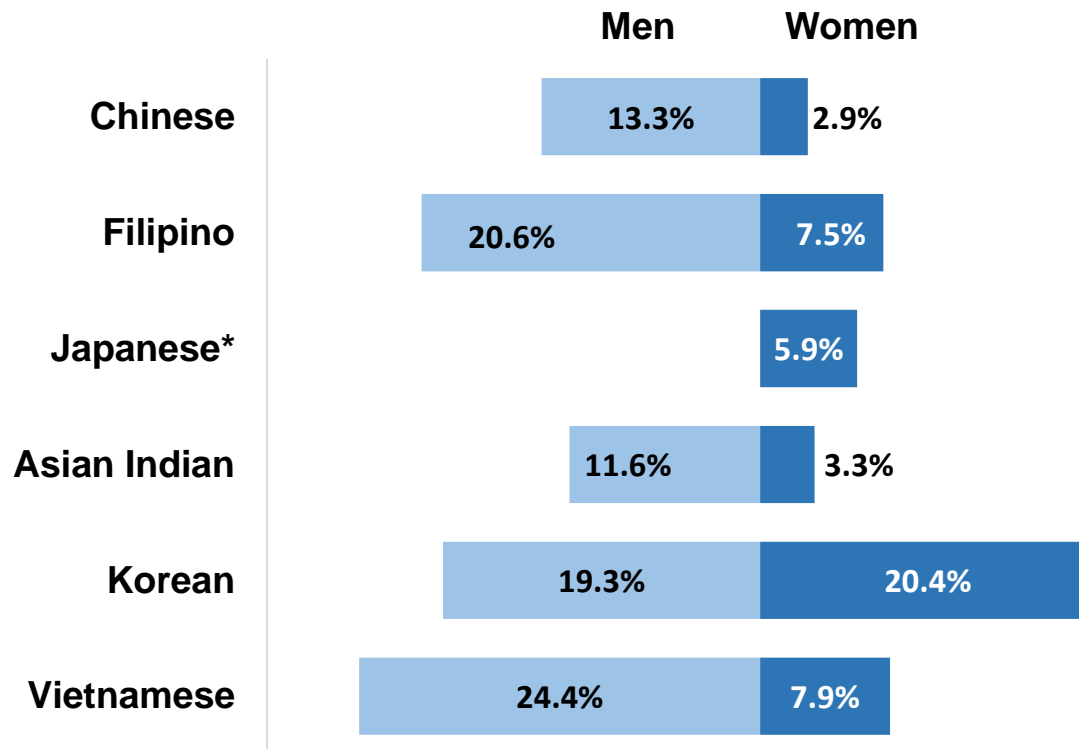
D. Slope Graph

Electronic Cigarettes and Hookah use markedly decreased among High School Students, NYTS, United States



Back-to-back chart

Past 30-day cigarette use among persons aged ≥ 18 years, by Asian subgroups and sex, United States 2010–2013

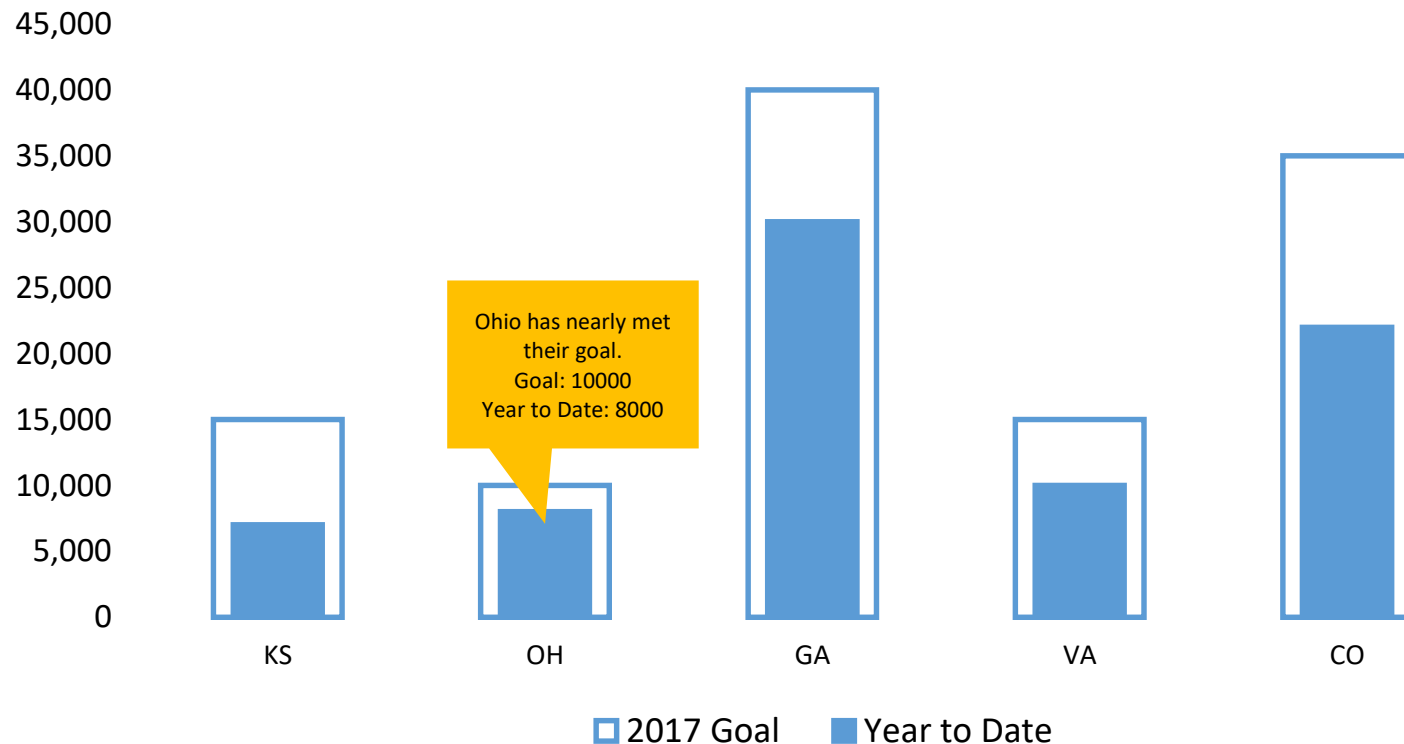


* Japanese men: Low precision (relative standard error $>17.5\%$); no estimate reported

Source: National Survey on Drug Use and Health https://www.cdc.gov/mmwr/volumes/65/wr/mm6530a1.htm?s_cid=mm6530a1_w

Overlapped Clustered Column Chart

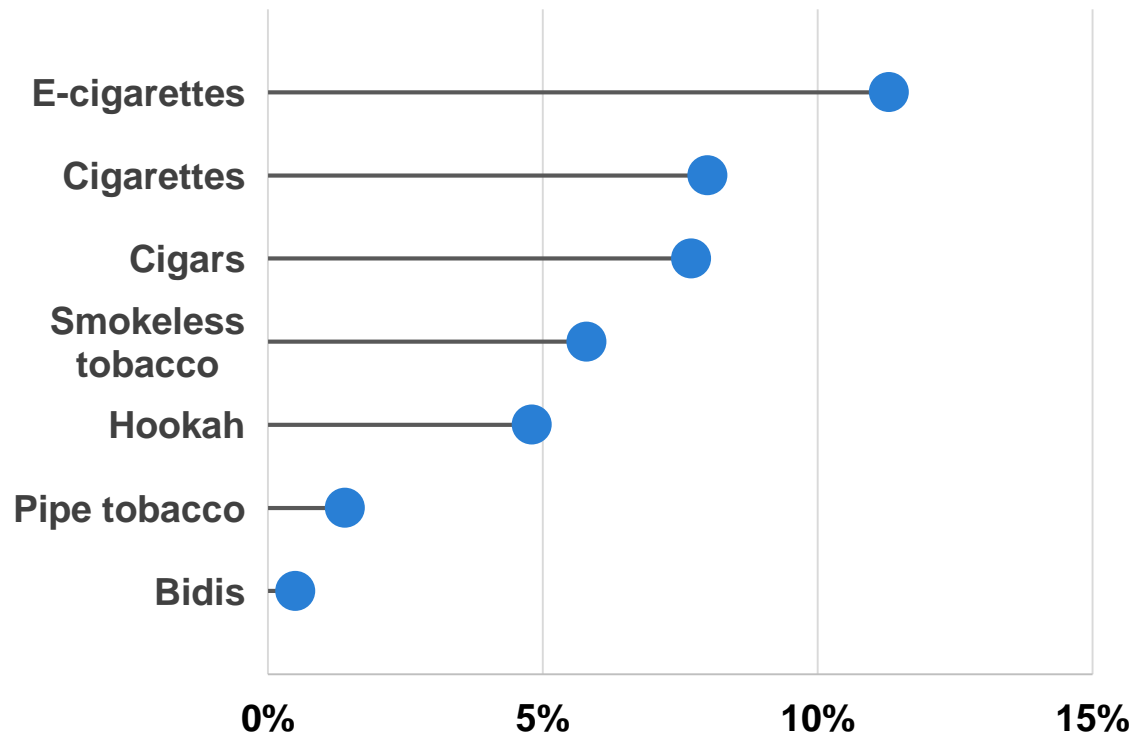
Quitline Volume, January-June 2017*



* Data Source: This is hypothetical data.

Lollipop Graph

Percentage of high school students who used tobacco products in the past 30 days, by product, United States, 2016

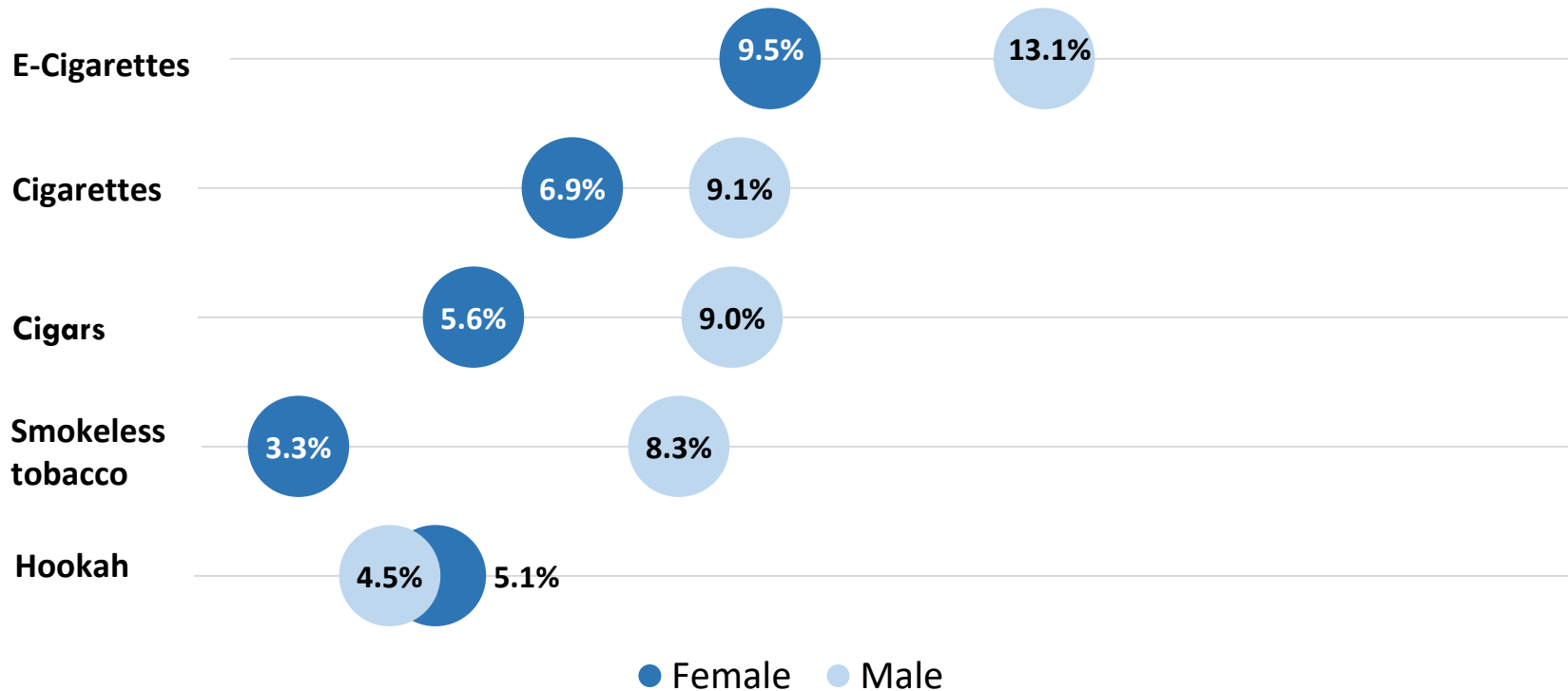


Tobacco Use among High School Students in the past 30 days Source: National Youth Tobacco Survey, 2016

https://www.cdc.gov/mmwr/volumes/66/wr/mm6623a1.htm?s_cid=mm6623a1_w

Dot Plot

High School Tobacco Use in the past 30 days by sex — NYTS, United States, 2016



Source: National Youth Tobacco Survey, 2016

https://www.cdc.gov/mmwr/volumes/66/wr/mm6623a1.htm?s_cid=mm6623a1_w

Slope graph

Electronic Cigarettes and Hookah use markedly decreased among High School Students, NYTS, United States

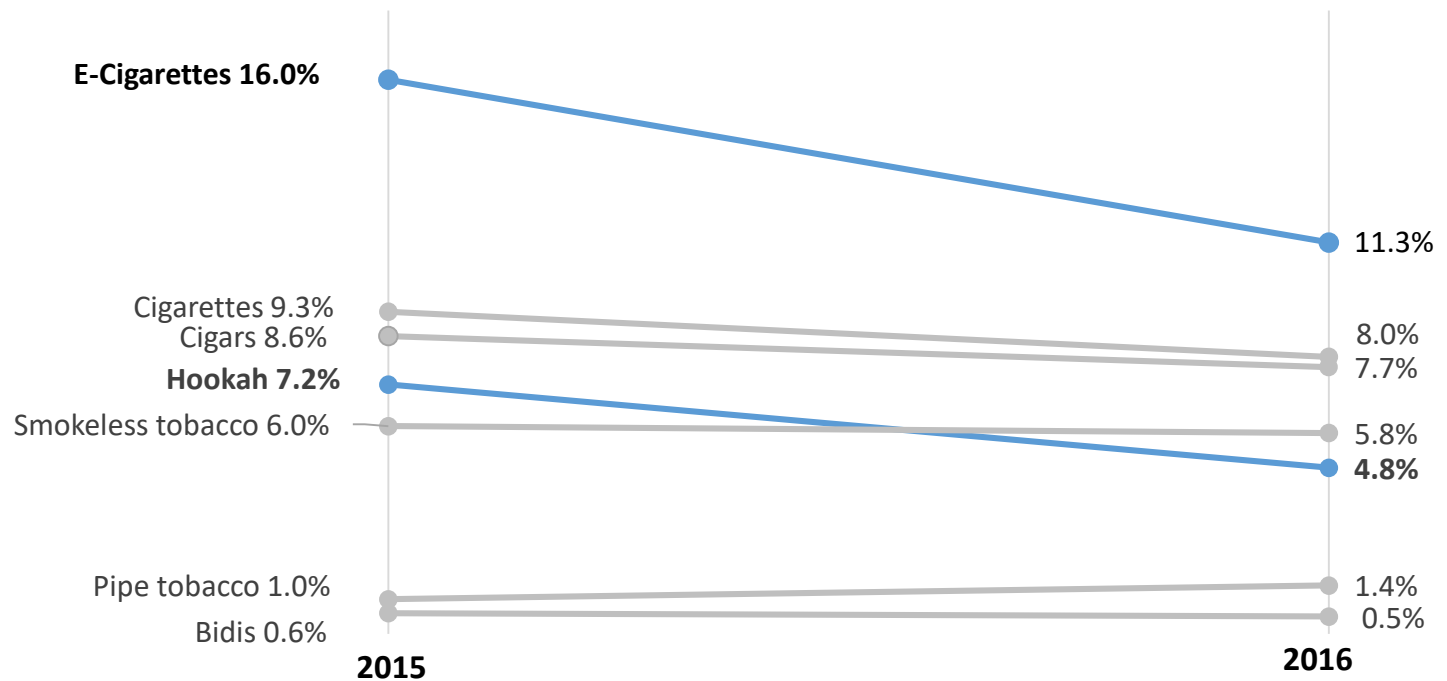
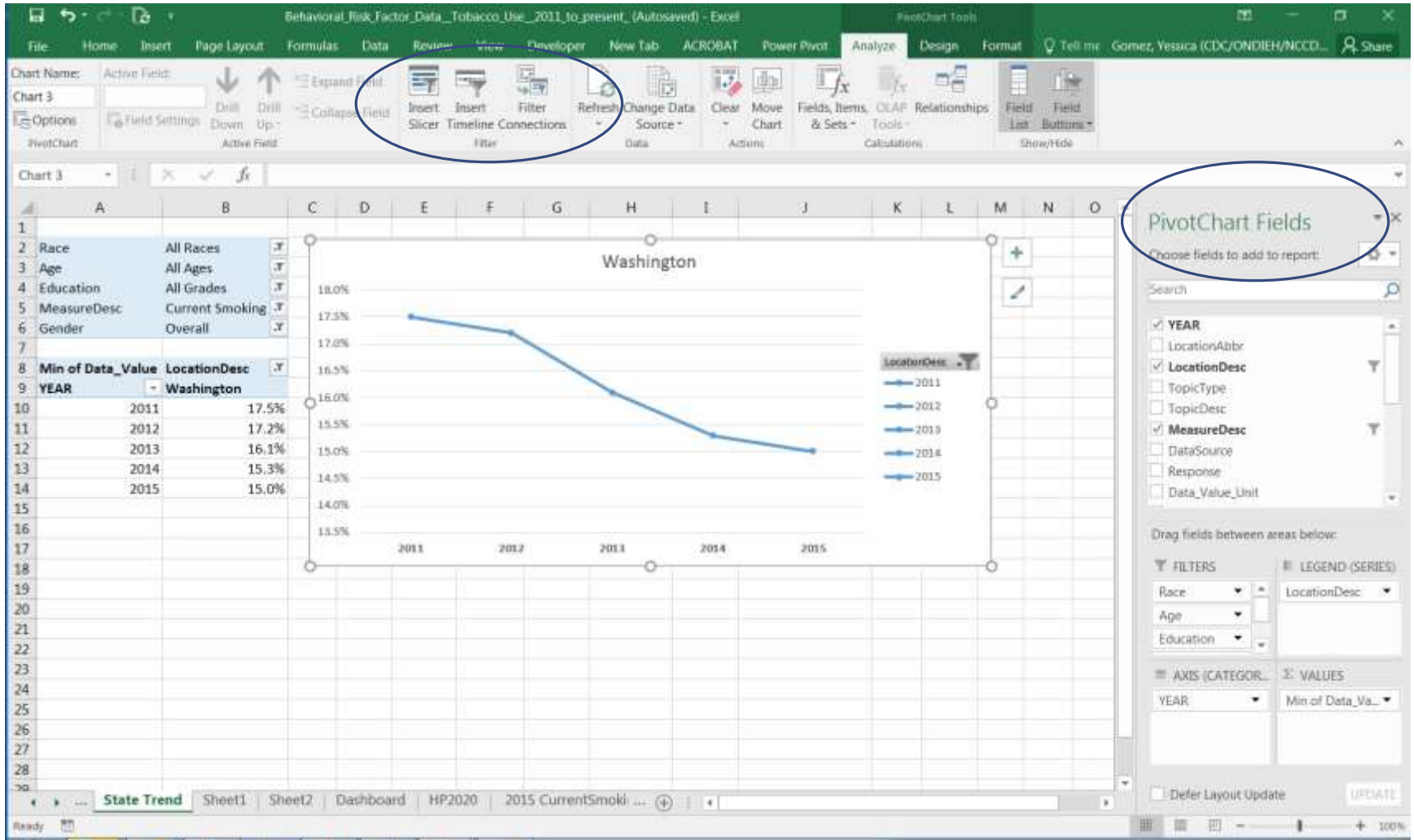


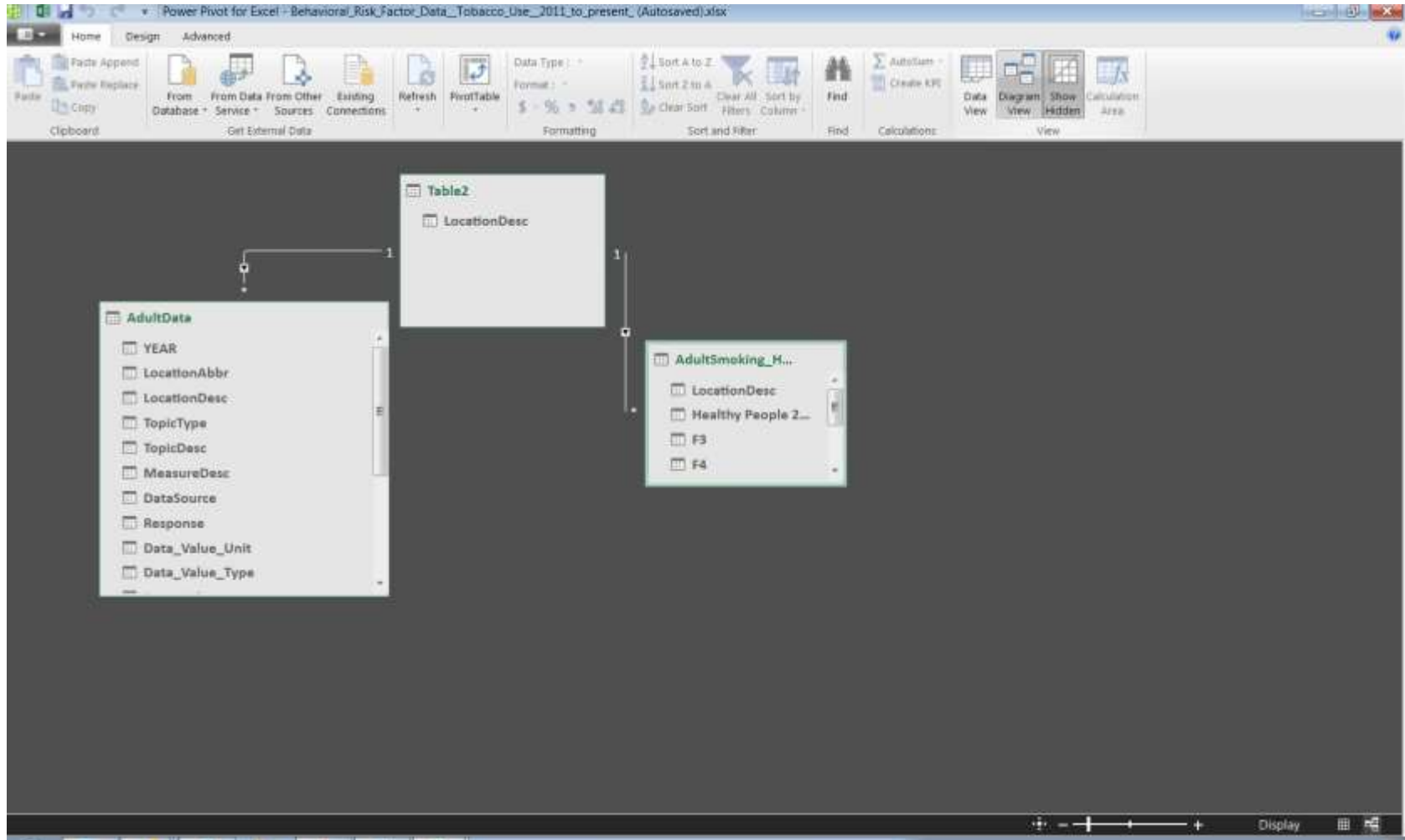
Figure. X. Tobacco Use among High School Students in the past 30 days Source: National Youth Tobacco Survey, 2016
https://www.cdc.gov/mmwr/volumes/66/wr/mm6623a1.htm?s_cid=mm6623a1_w

Pivot Table and PowerPivot

Pivot Table

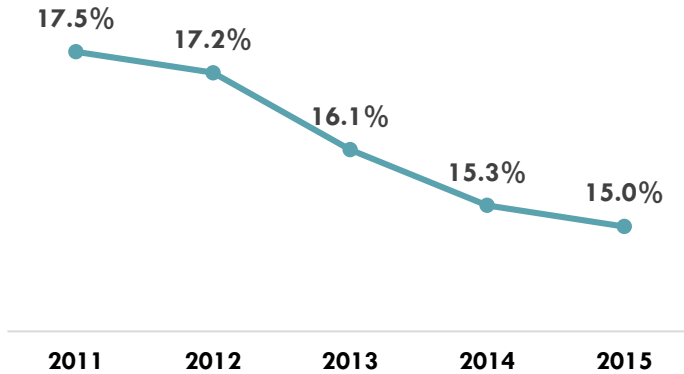


PowerPivot

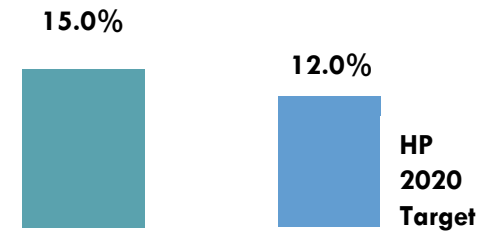


Interactive Dashboard

Washington

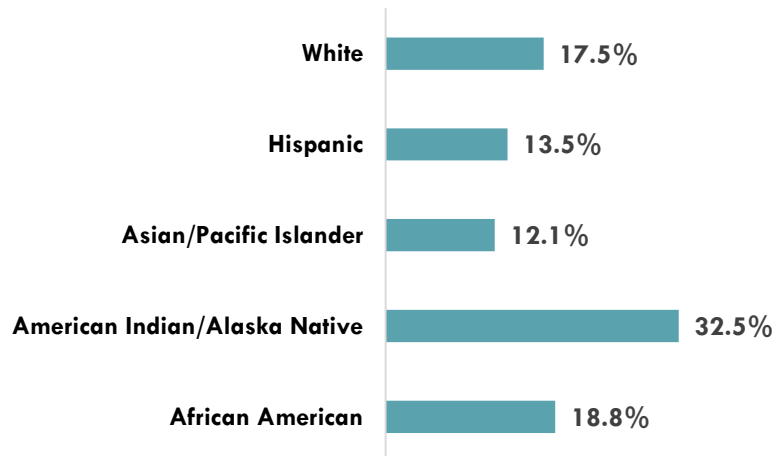


Progress toward Healthy People 2020 Target

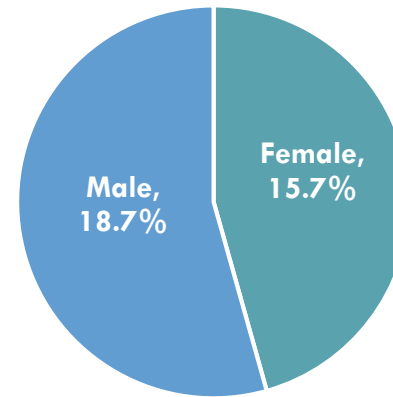


LocationDesc
Alabama
Alaska
Arizona
Arkansas
California
Colorado
Connecticut
Delaware
District of Columbia
Florida
Georgia

Adult Smoking by Race/Ethnicity, 2015



Adult Smoking by Sex, 2015



Word and PowerPoint

Interactive Word Template

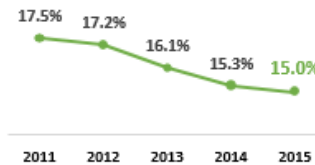
Adult Cigarette Smoking State 2015 Snapshot

Annual Summary

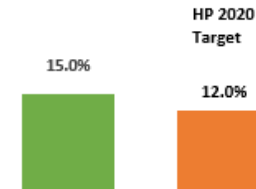
Lorem ipsum dolor sit amet, consectetur adipiscing elit. Maecenas porttitor congue massa. Fusce posuere, magna sed pulvinar ultricies, purus lectus malesuada libero, sit amet commodo magna eros quis urna. Nunc viverra imperdiet enim. Fusce est. Vivamus a tellus.

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Trends in Adult Cigarette Smoking, BRFSS, 2011-2015

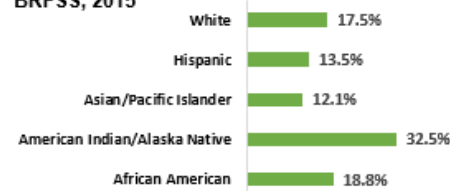


Progress toward Healthy People 2020 Target

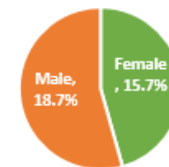


Disparities in Adult Cigarette Smoking

Adult Smoking by Race/Ethnicity, BRFSS, 2015



Adult Smoking by Sex, BRFSS, 2015



Contact Information: For more information, contact XXX.

In 2015, **1** in **3** American
Indians/Alaska Natives
Smoked Cigarettes



Source: Behavioral Risk Factor Surveillance System, Washington, 2015
<https://chronicdata.cdc.gov/Survey-Data/Behavioral-Risk-Factor-Data-Tobacco-Use-2011-to-pr/wsas-xwh5>

A black and white portrait of a Native American man, likely from the Great Plains region. He has two long, dark braids of hair, each adorned with several large, light-colored beads. He is wearing a dark, buttoned-up shirt under a lighter, textured jacket or poncho. The background is a blurred, natural outdoor setting. A semi-transparent dark banner is overlaid at the bottom of the image, containing white text.

**In 2015, 1 in 3 American Indians/
Alaska Natives Smoked Cigarettes**

PowerPoint Capabilities

- Developing reports
- Creating infographics
- Making maps
- Static or interactive dashboards

Resources

Data Visualization and Presentation with Microsoft Office

– Valerie Use and Matthew Griffin

Effective Data Visualization – Stephanie Evergreen

Questions?

Contact:

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770-488-8947

For more information, contact CDC
1-800-CDC-INFO (232-4636)
TTY: 1-888-232-6348 www.cdc.gov

The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.

