

## Smart Data Analytics Challenge

11/8/2018

### Background:

Listen to the podcast on The Opioid Epidemic: How we got here, how we stop it by Dr. Robert Valuck, professor at the Skaggs School of Pharmacy and Pharmaceutical Sciences.  
<http://cuontheair.blubrry.net/2018/07/30/the-opioid-epidemic-how-we-got-here-how-we-stop-it/>

### Hard: Communicating existing results and their implications effectively, especially county results

Drug overdose death statistics

- ❓ [Drug poisoning/overdose deaths by sex, manner of death, and involvement of specific drug types: Colorado residents, 1999-2017.](#)
- ❓ [Drug poisoning/overdose deaths by manner of death and involvement of specific drug types: Colorado residents, quarterly, 2015-2018 \(PROVISIONAL\).](#)
- ❓ [Drug poisoning/overdose deaths by region of residence and involvement of opioid analgesics and/or heroin: Colorado residents, semi-annual, 2012-2017.](#)
- ❓ [Drug poisoning/overdose deaths by sex, county of residence, and involvement of opioid analgesics and/or heroin: Colorado residents, 2003-2017.](#)

Opioid dashboard of the Colorado Consortium for Prescription Drug Abuse Prevention:  
<https://public.tableau.com/profile/omni#!/vizhome/RXConsortiumdashboard/Readmefirst>

### Challenging: Communicating data that changes social norms and bust 2-related myths.

- ❓ The myth: Opioids offer better pain relief. Science: Tylenol and Ibuprofen alternated work just as well.
- The myth: Controlled opioid pain relievers are the “good stuff.” Science: Opioids are controlled substances because they can kill you, not because they work better.

From Dr. Valuck's podcast:

<http://cuontheair.blubrry.net/2018/07/30/the-opioid-epidemic-how-we-got-here-how-we-stop-it/>

### Wicked:

Is it one epidemic or intertwined epidemics? Can Colorado confirm and describe an interplay between prescription opioids and heroin?  
Which links are the biggest contributor to fatal or non-fatal opioid overdose? (See back page.)

### Your fresh eyes:

Any burning questions that Colorado hasn't answered with data or hasn't communicated well.

Possible links and pathway where people can enter and exit at different points along this path  
2015

