Identifying Coinfection
a Public Health Approach

Tuberculosis

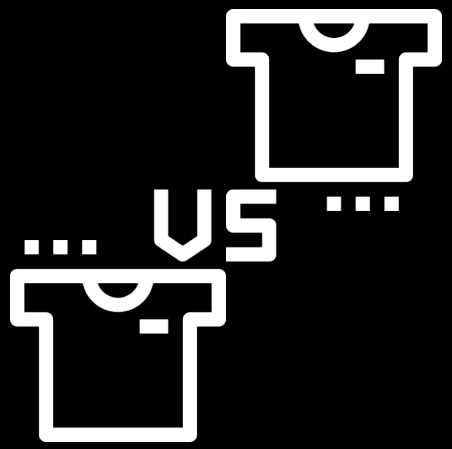
+

Cocci

ADHS
Evan Timme –
AZ TB Control

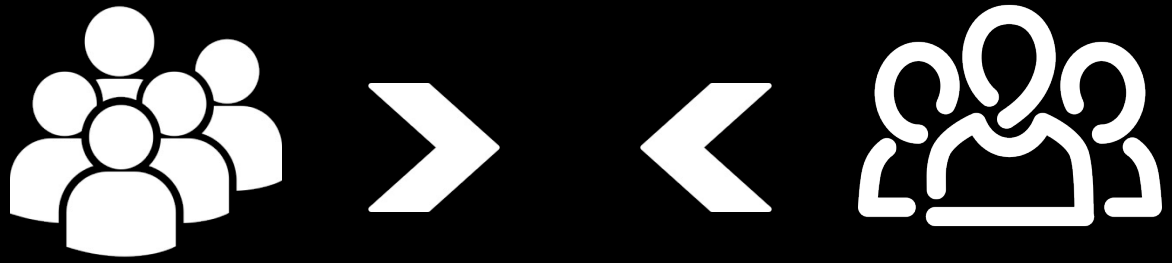
No known disclosures
or
conflicts of interest

Surveillance Epi

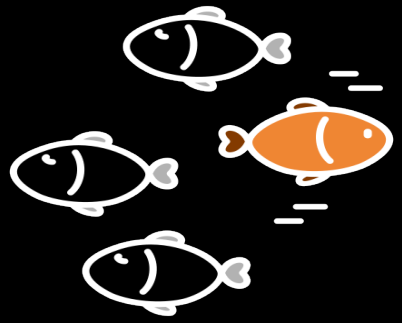


Objectives

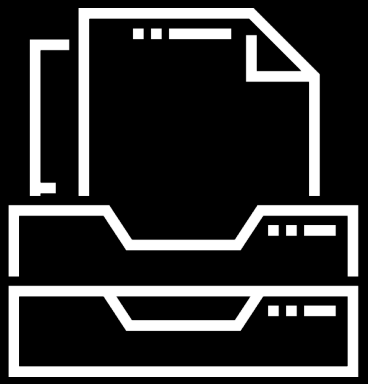
describe a **public health approach** to **identifying** persons with tuberculosis cocci **comorbidity**



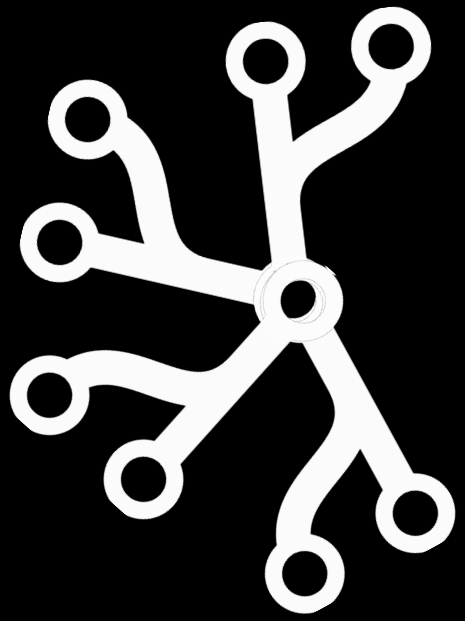
identify TB-only & TB-Cocci **differences**

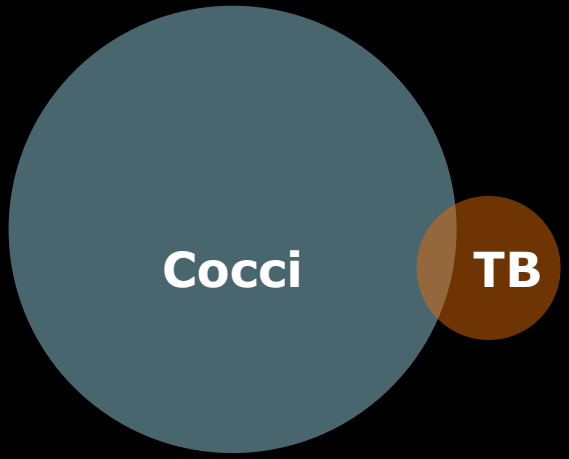


Public Health
TB Data



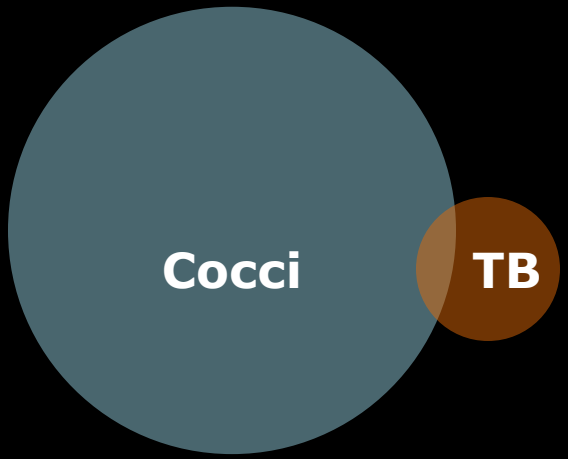
200+





2009-2016

2009-2016

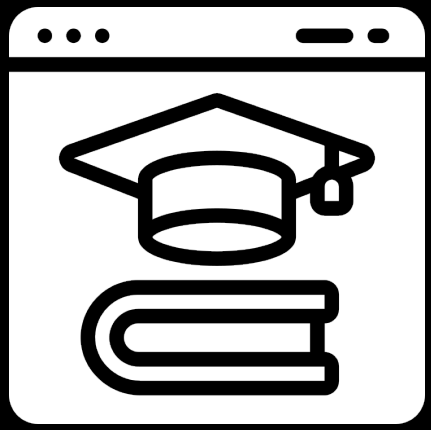


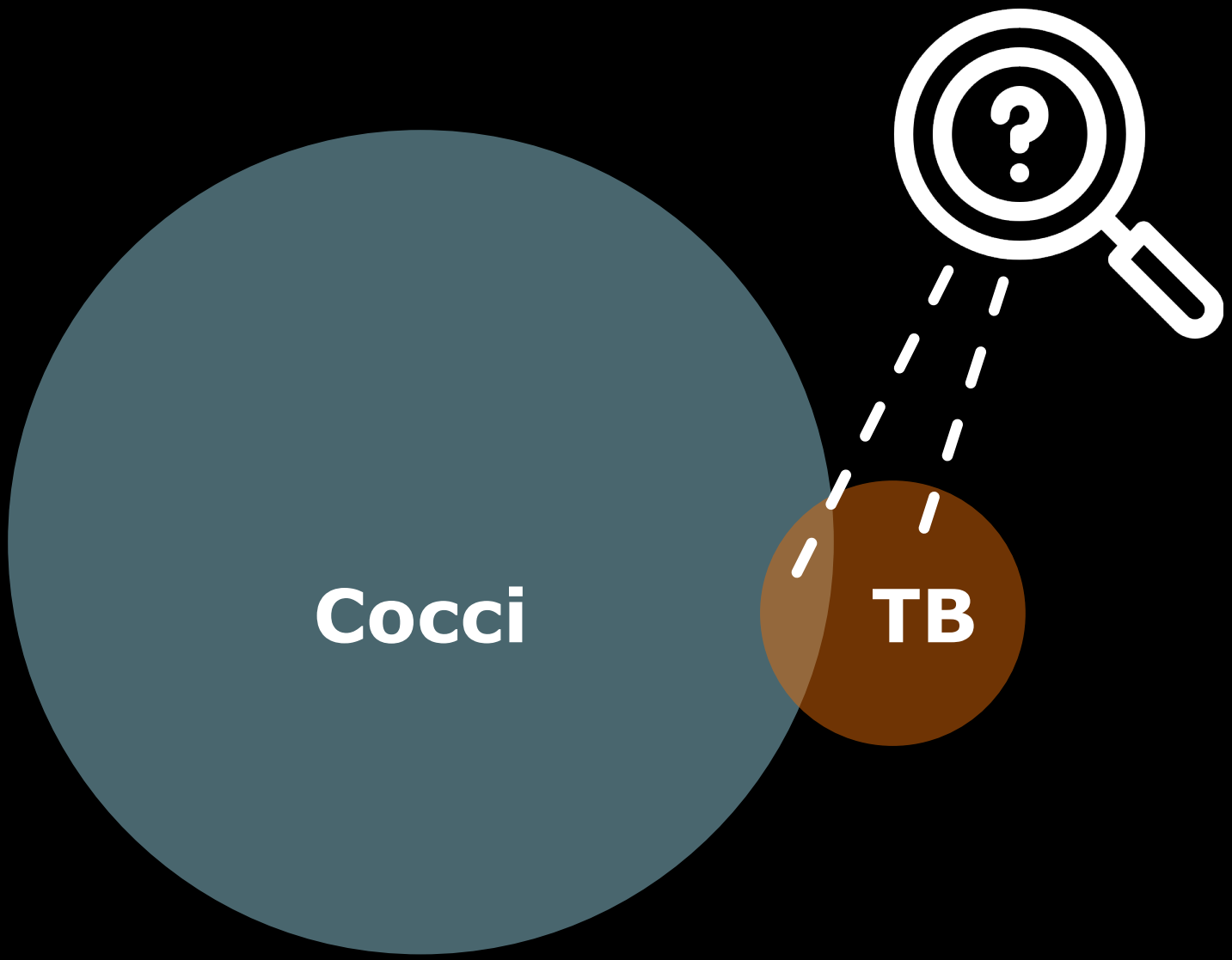
~73,000

Camden, NJ

http://theoldmotor.com/?p=162836

~1,750




Cocci
TB

Total TB

1,743

TB-Cocci

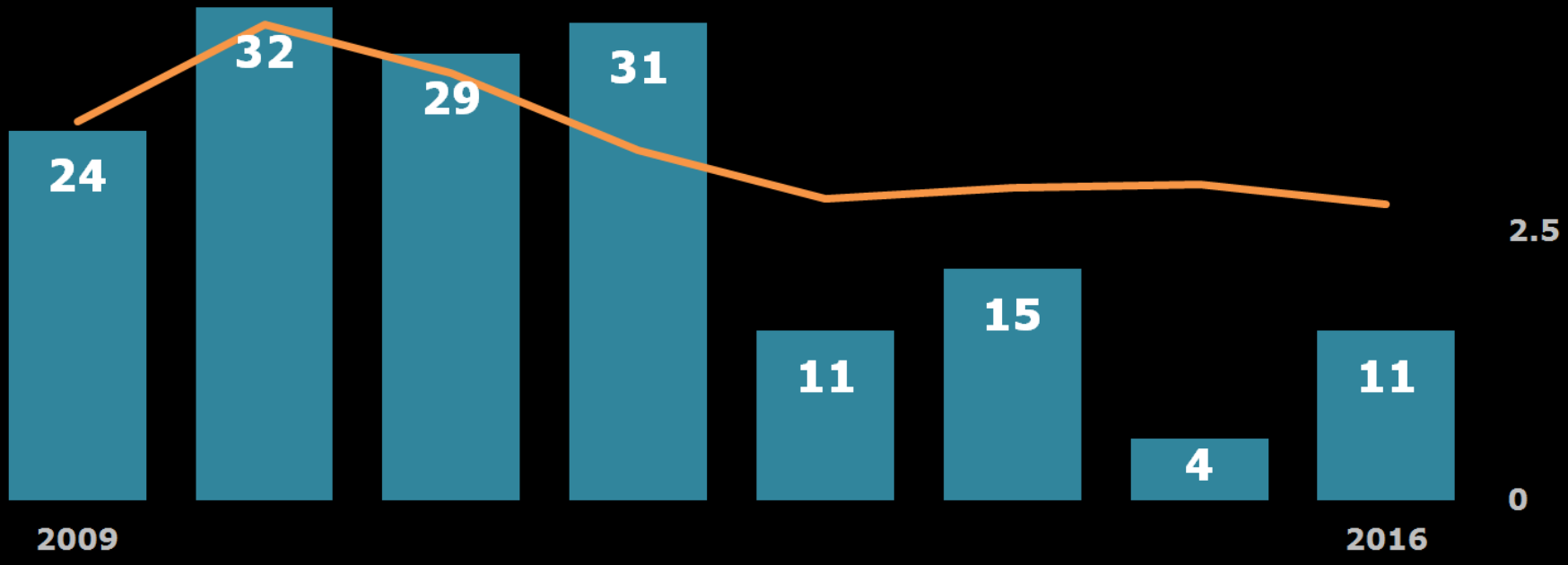
157

9%

TB-only

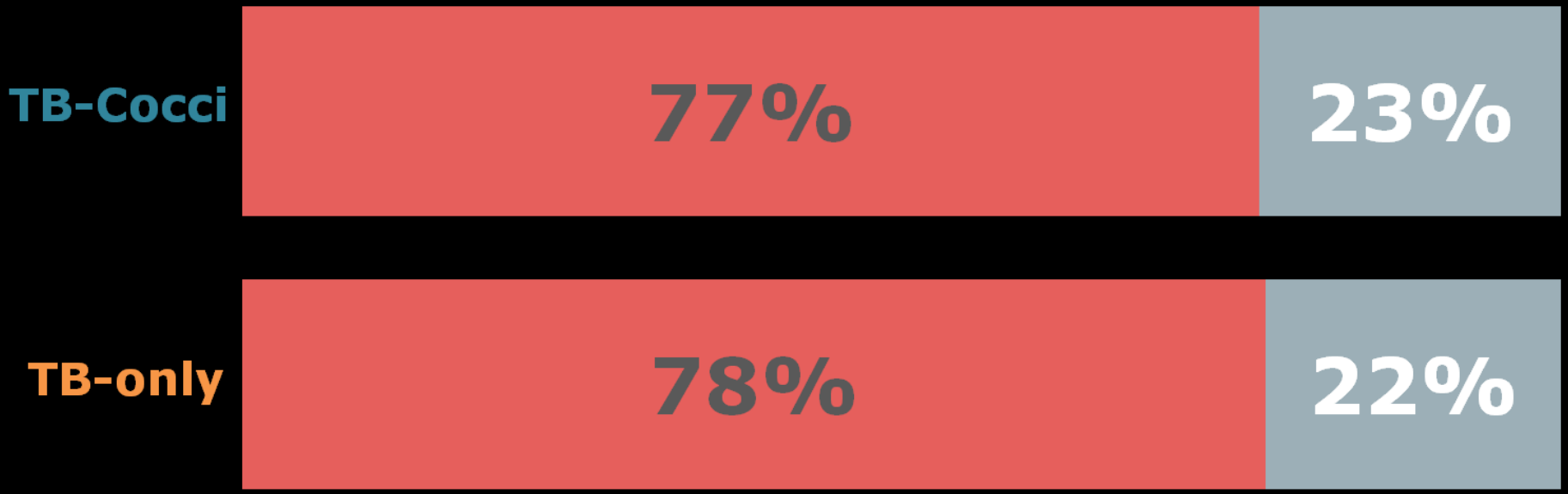
1,586

Annual count of TB-Cocci decreased faster than TB incidence.



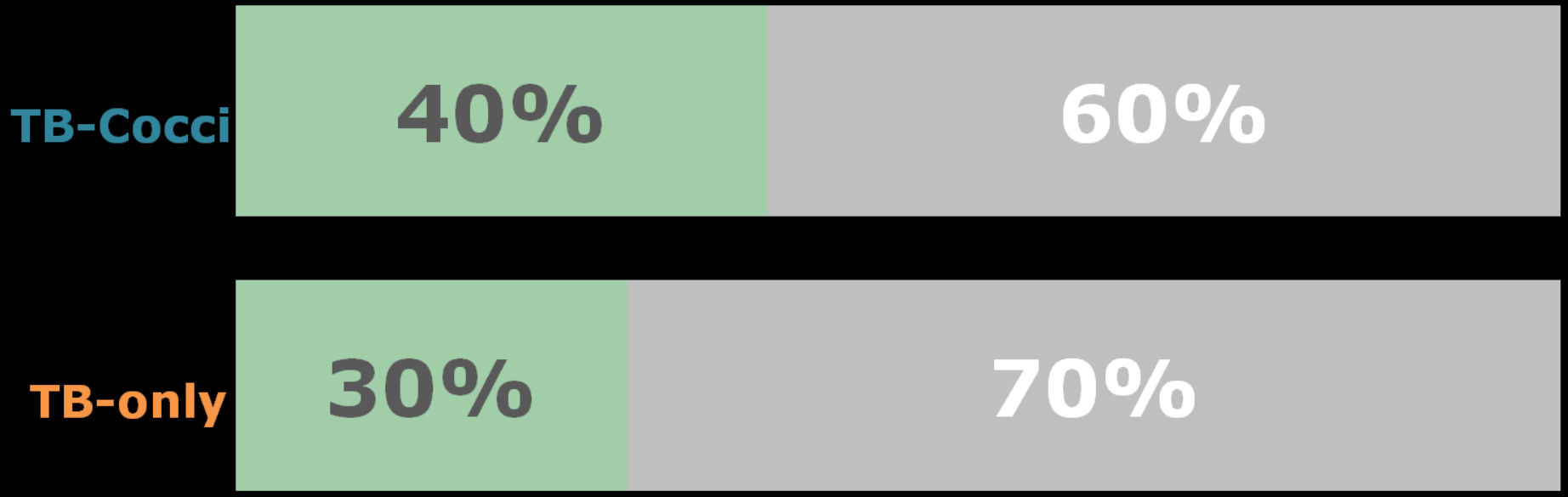
What about Cx positivity?
TB-Cocci is less likely to be Cx(+), right?

There is NO difference in MTB Cx(+) & Cx(-) between TB-Cocci and TB-only persons.



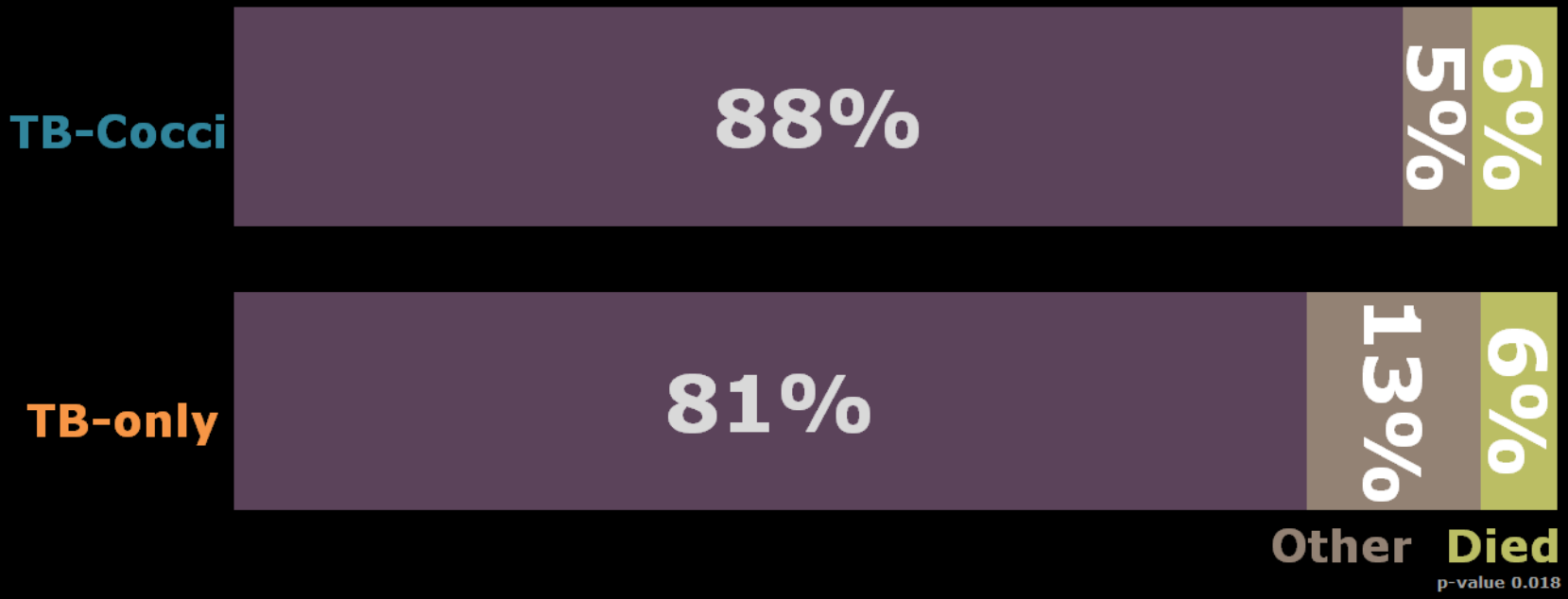
What about country of birth?

TB-Cocci persons were more likely to be US-born compared to TB-only.



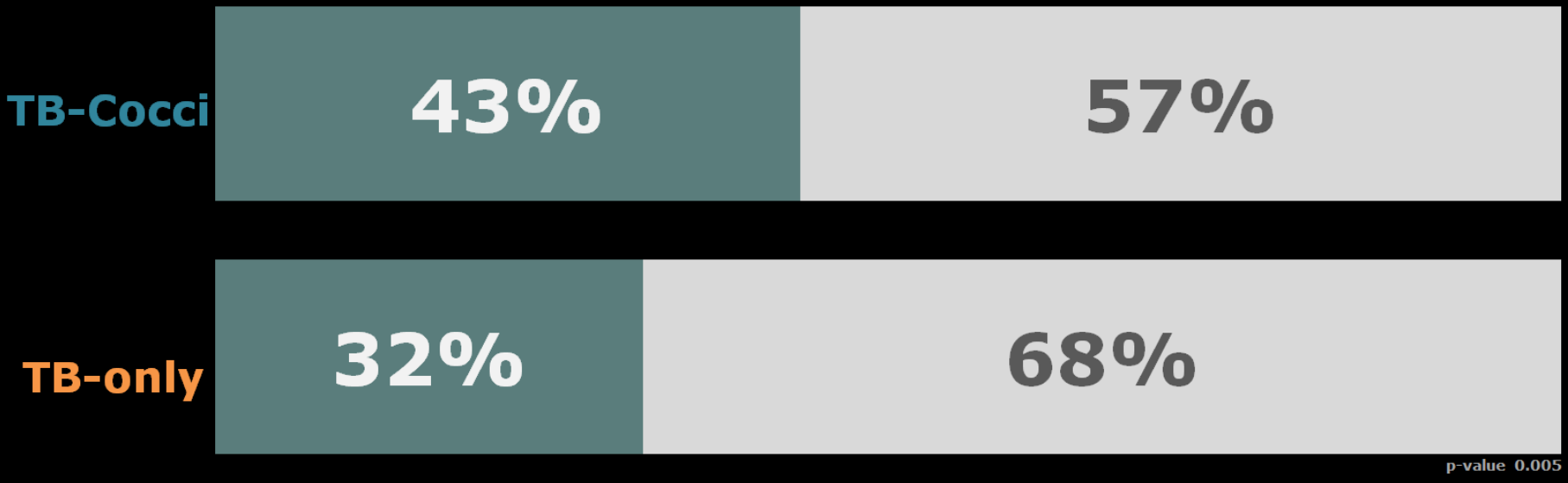
How does Completion of Tx look?

Completed TB Tx was higher for persons with TB-Cocci compared to TB-only.



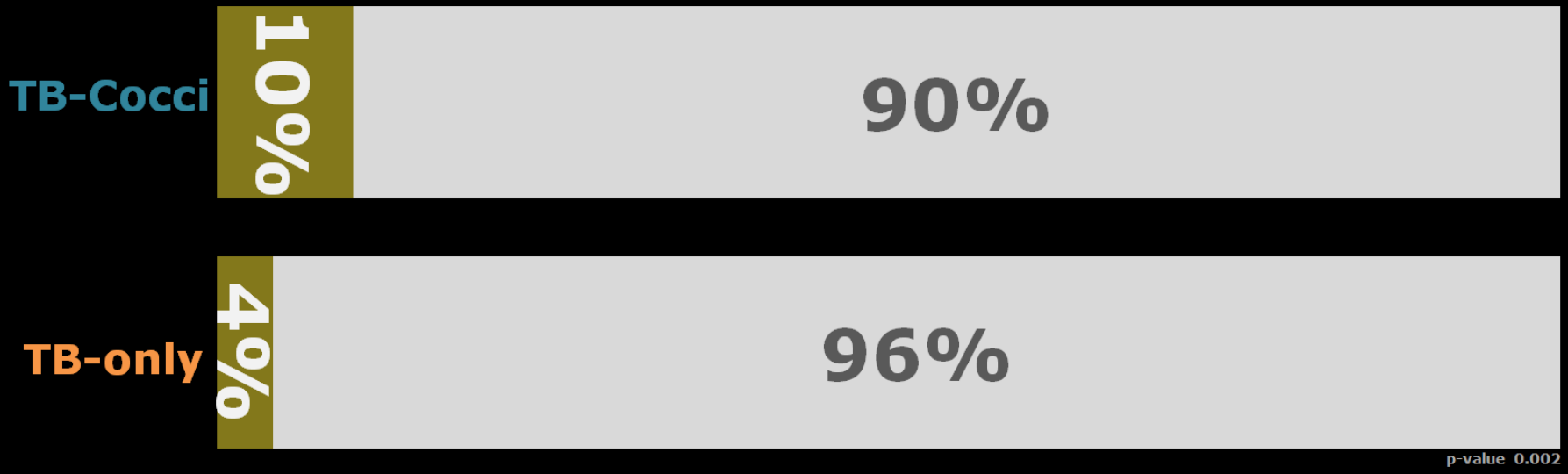
Cavitary Chest Imaging

Cavitary chest imaging was more likely in TB-Cocci persons compared to TB-only.



Miliary Chest Imaging

Miliary chest imaging was **more likely** in **TB-Cocci** persons compared to **TB-only**.



Lastly, time between TB & Cocci work-up

TB-Cocci		TB-Only
⊖	MTB Cx(+)	⊖
✓	US-born	
✓	Tx Completed	
✓	Cavitary	
✓	Miliary	

50% of **TB-Cocci** worked-up **≤30-days**