ARIZONA VACCINE PREVENTABLE DISEASE UPDATE

April 19-20, 2017

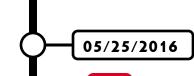
Presenting To

Arizona Immunization Conference Phoenix, AZ

Susan Goodykoontz | VPD Epidemiologist

Measles

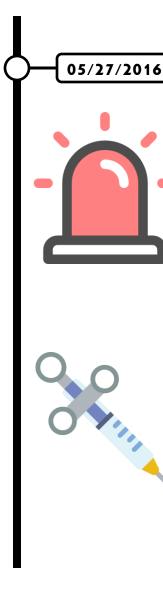






Detainee taken to ED with symptoms compatible with measles. Employee also went to ED with some compatible symptoms. By the end of the day there was 1 confirmed case and 5 suspect cases related to the detention center.

1 Confirmed



ADHS Emergency Operation Center was activated and routine phone calls were set up with the counties

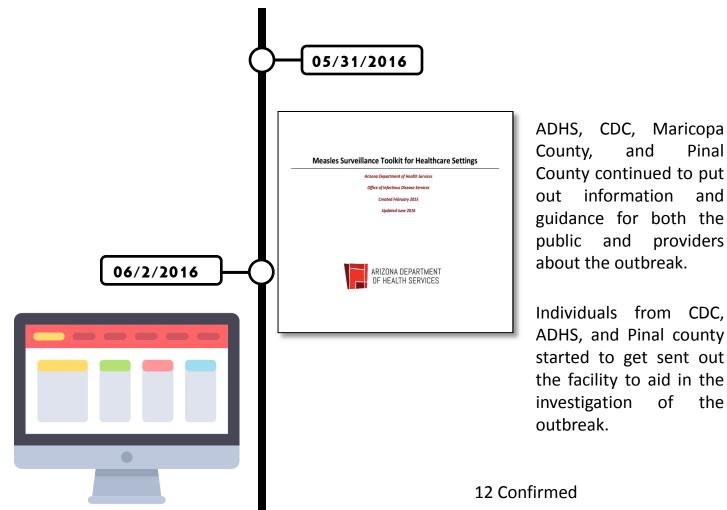
and facilities.

Recommendations with control measures were sent over to the facility.

Pinal County opened their immunization clinics to all individuals to help get the staff at the detention center vaccinated as well as anyone in the public.

Vaccinations for the detainees began on 5/27 and continued through 6/1. All but 1 detainee received 1 dose of MMR.

7 Confirmed



5/10 5/11 5/11 5/12 5/13

and

of

the

Pinal

information for released detainees.

13 Confirmed

ADHS continued to keep the measles website up-

to-date with daily updates

ADHS continued to send

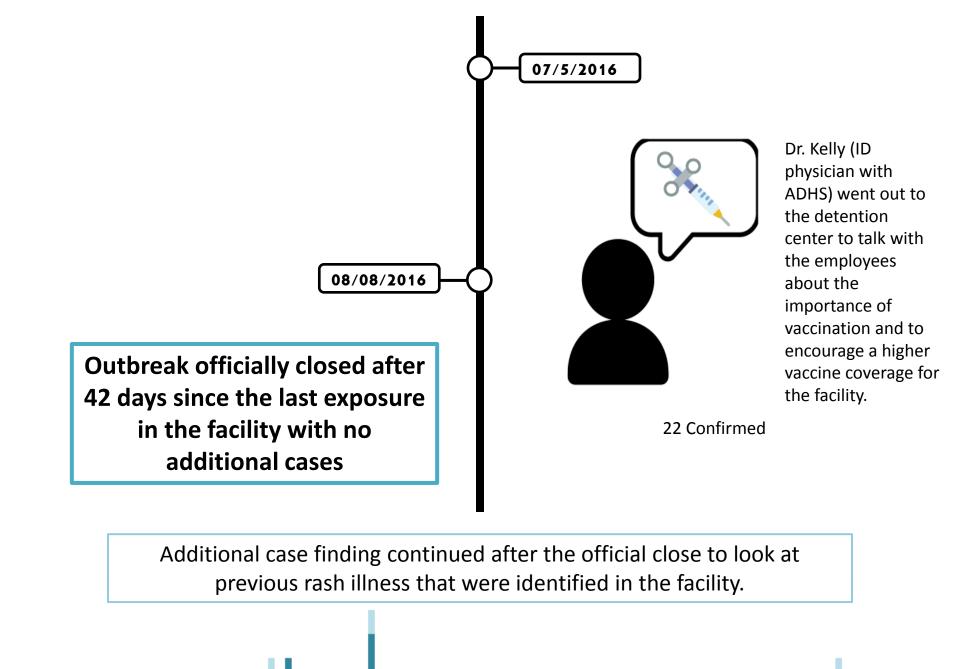
and

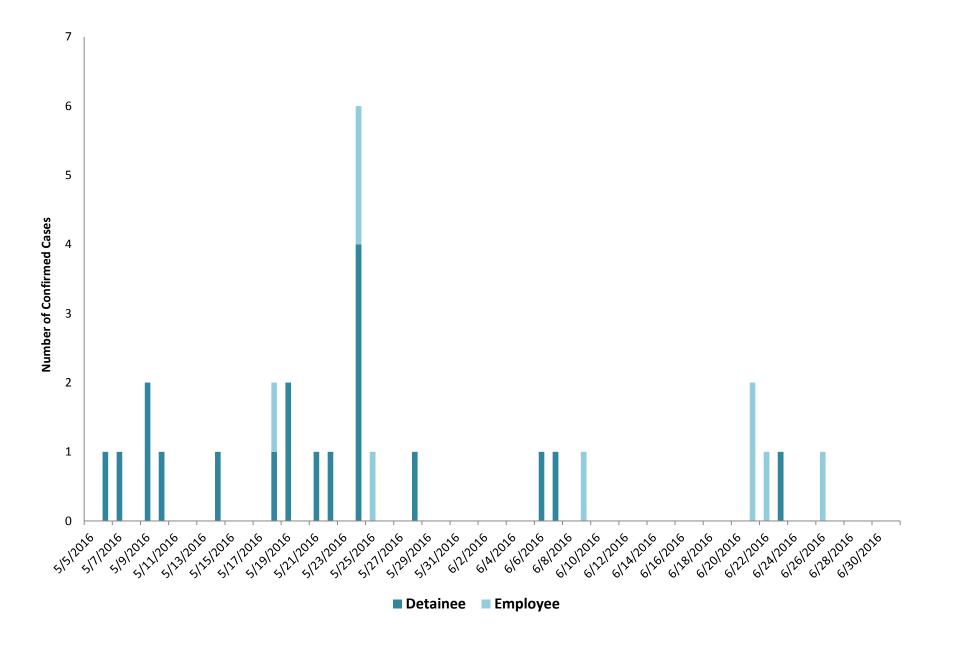
case counts

exposure locations.

on

out

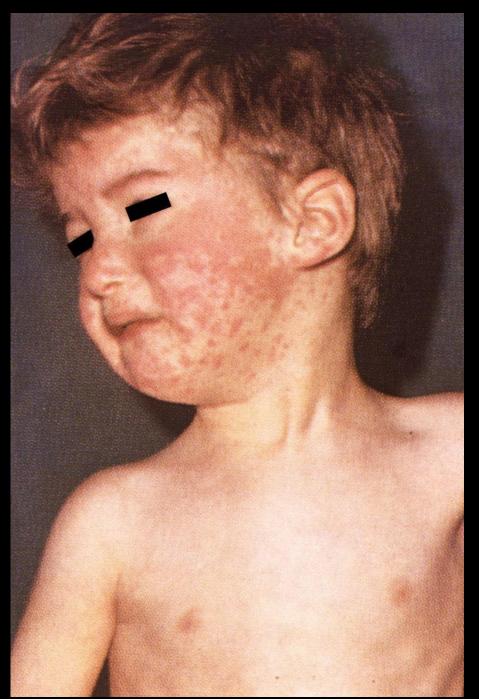




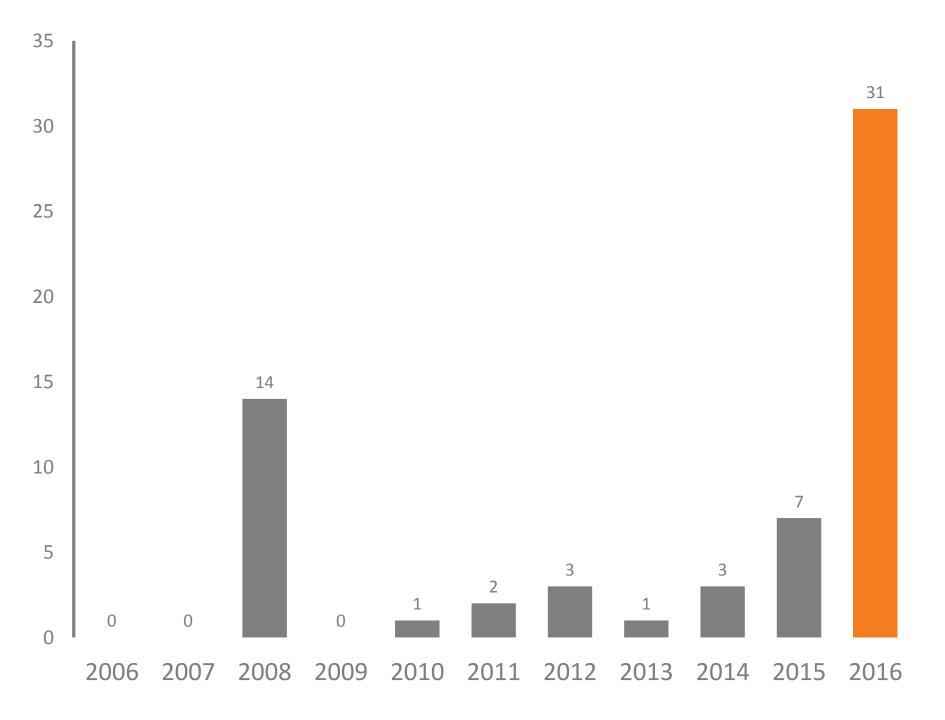
Measles Outbreak, Pinal County, 2016 Case Epi Information

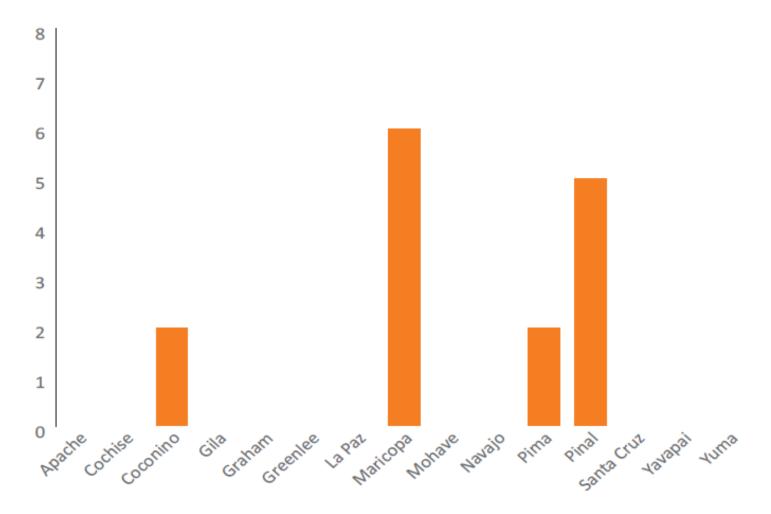
Total number of cases: 31	
Case Breakdown	22 detainees, 9 employees
Age Range	19-52 years
Gender	84 % Male

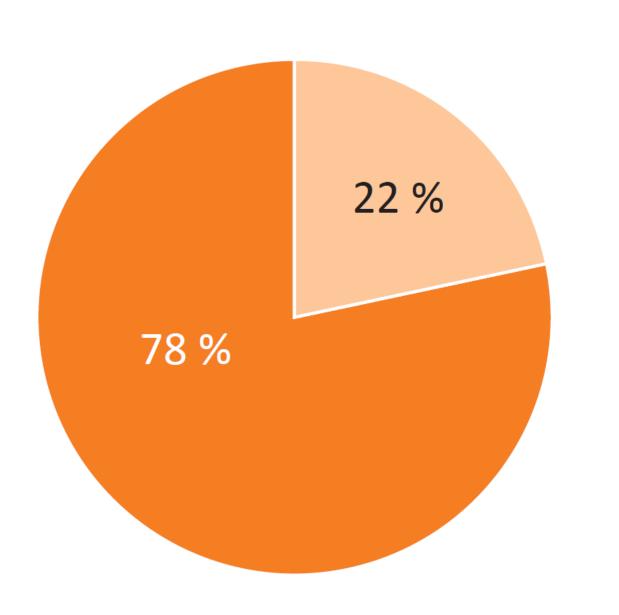
The genotype identified was D8



https://phil.cdc.gov/phil/details.asp







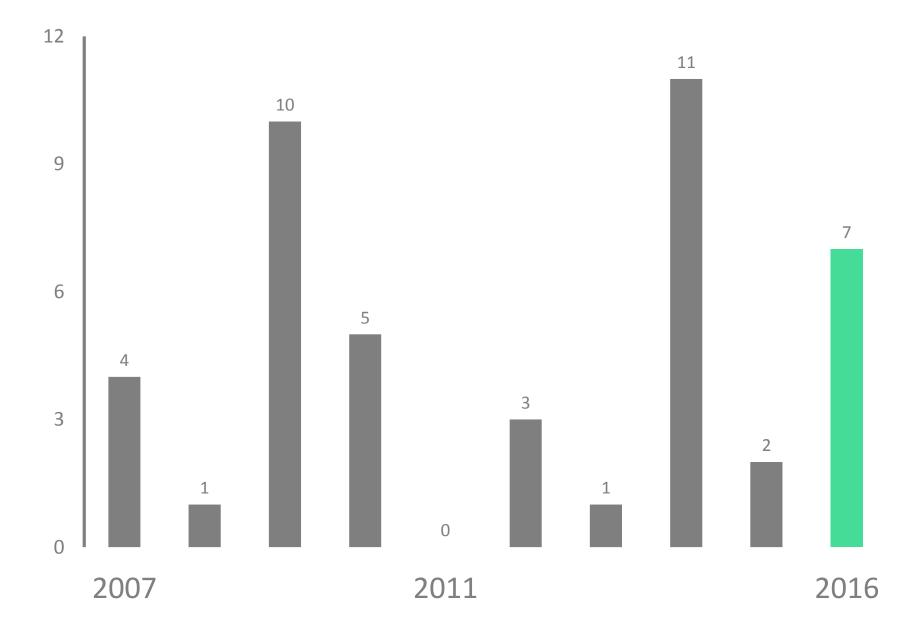
Male

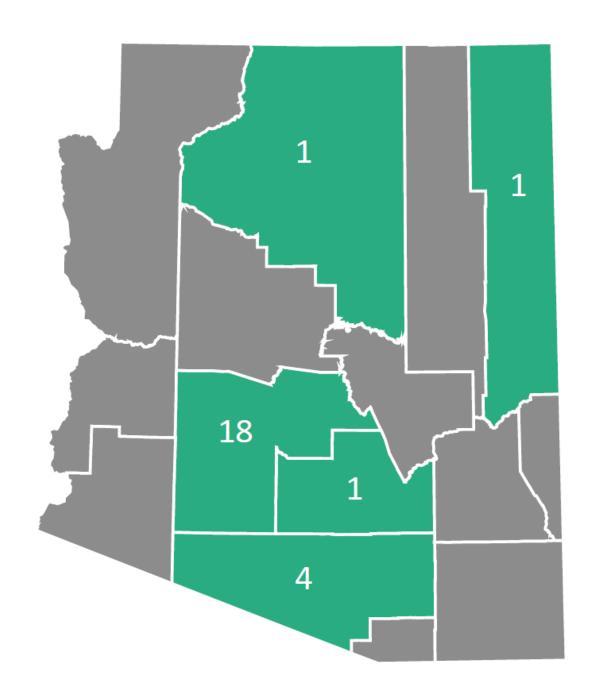
Female

Mumps



http://phil.cdc.gov/phil/details_linked.asp?pid=4491





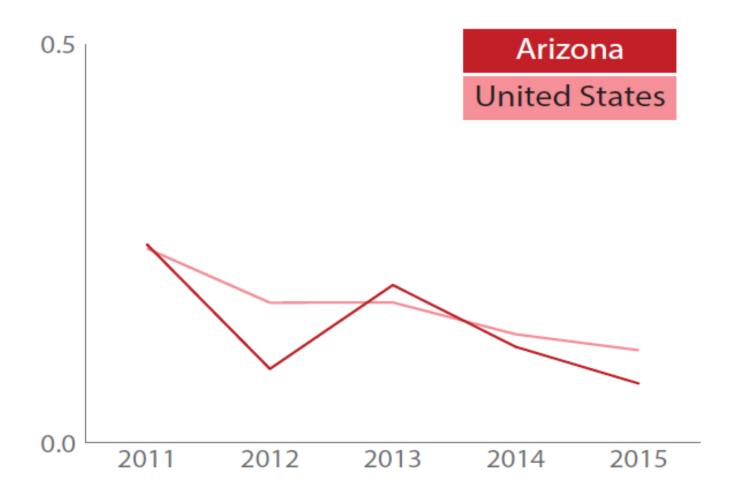
Invasive Meningococcal Disease

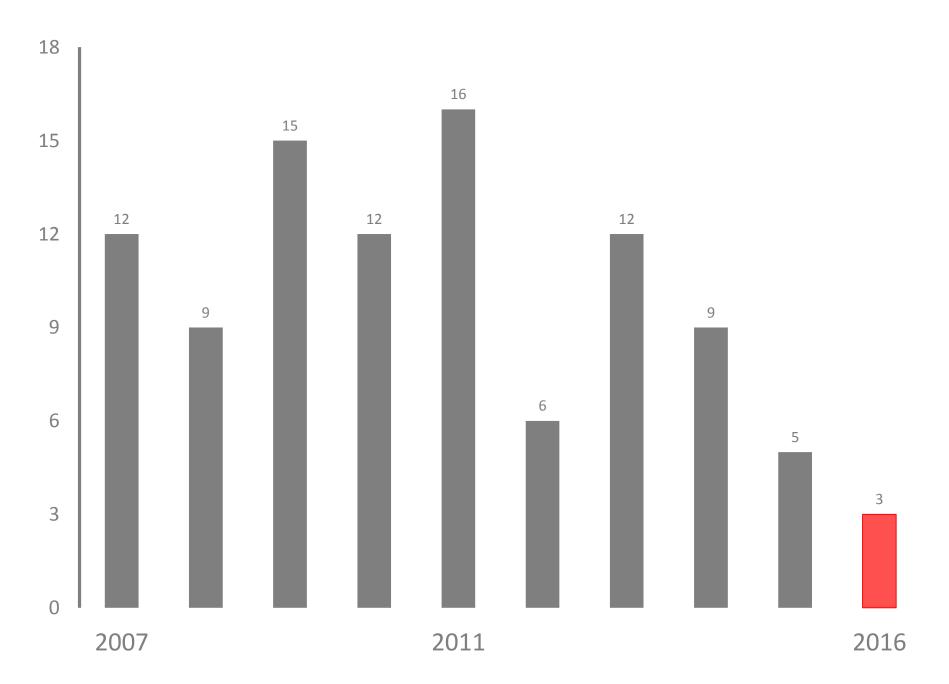


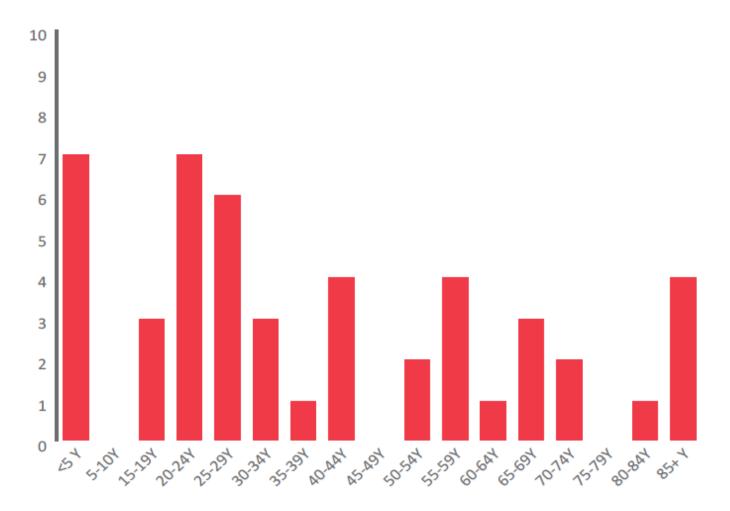
https://phil.cdc.gov/phil/details.asp

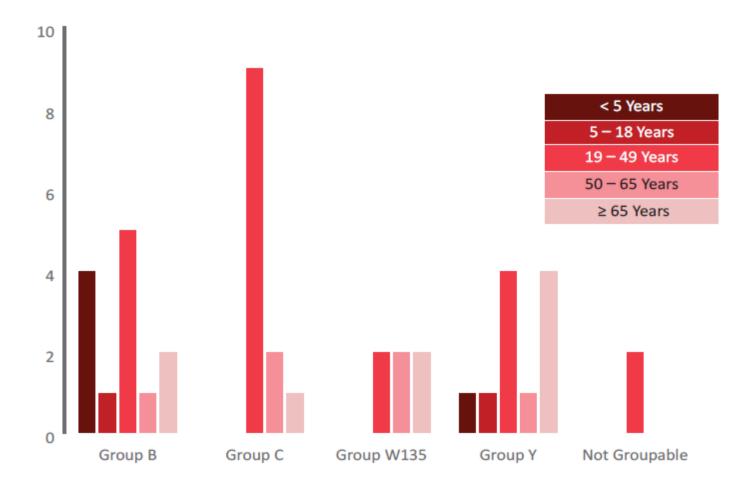


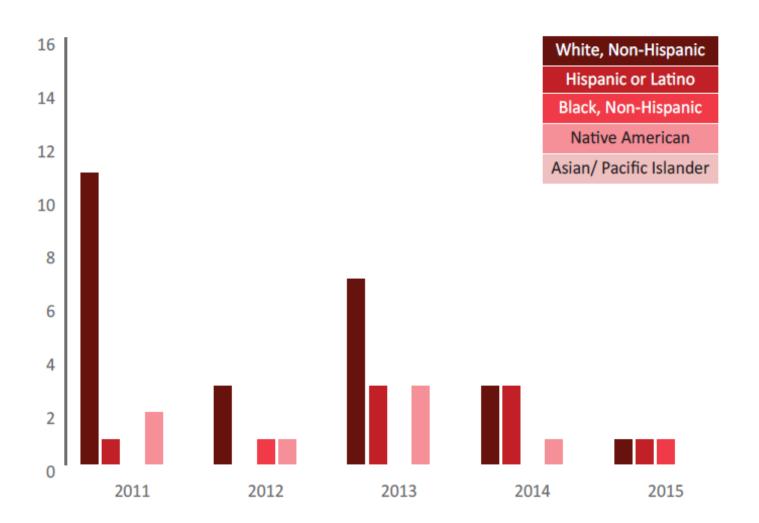
Needle syringe with a vaccine bottle. Credit: NIH









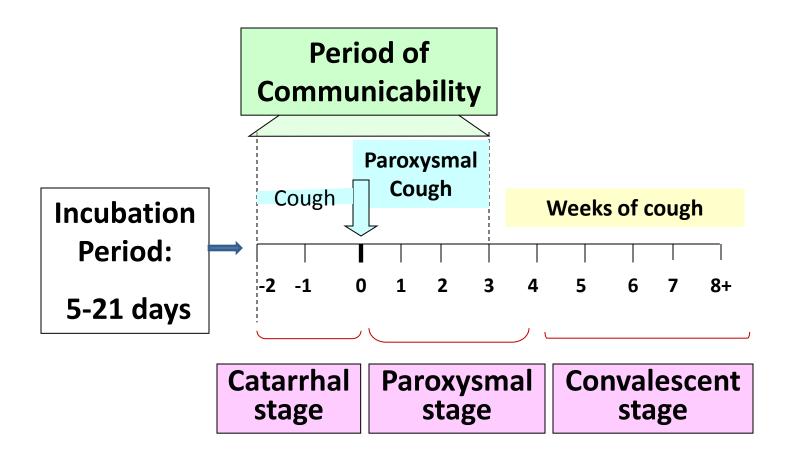


Pertussis

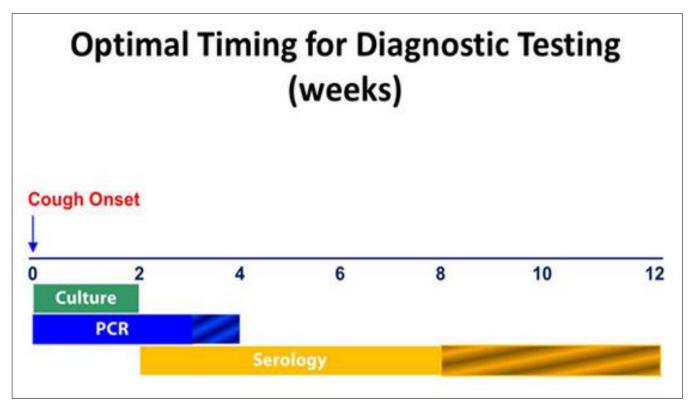


https://blogs.cdc.gov/publichealthmatters/2012/06/pertuss is-are-you-protected

Clinical Course of Pertussis



Pertussis Testing



http://www.cdc.gov/pertussis/clinical/diagnostic-testing/diagnosis-confirmation.html



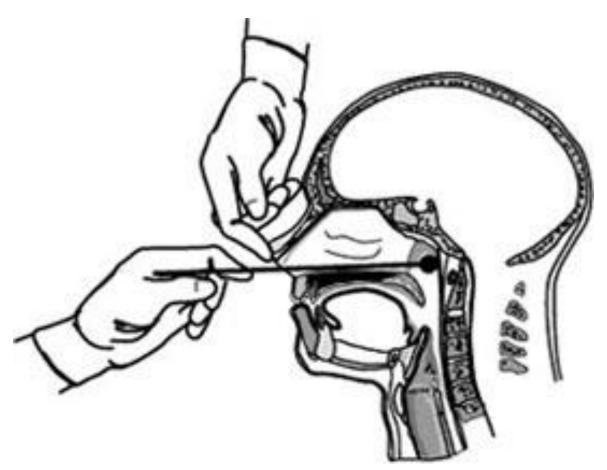
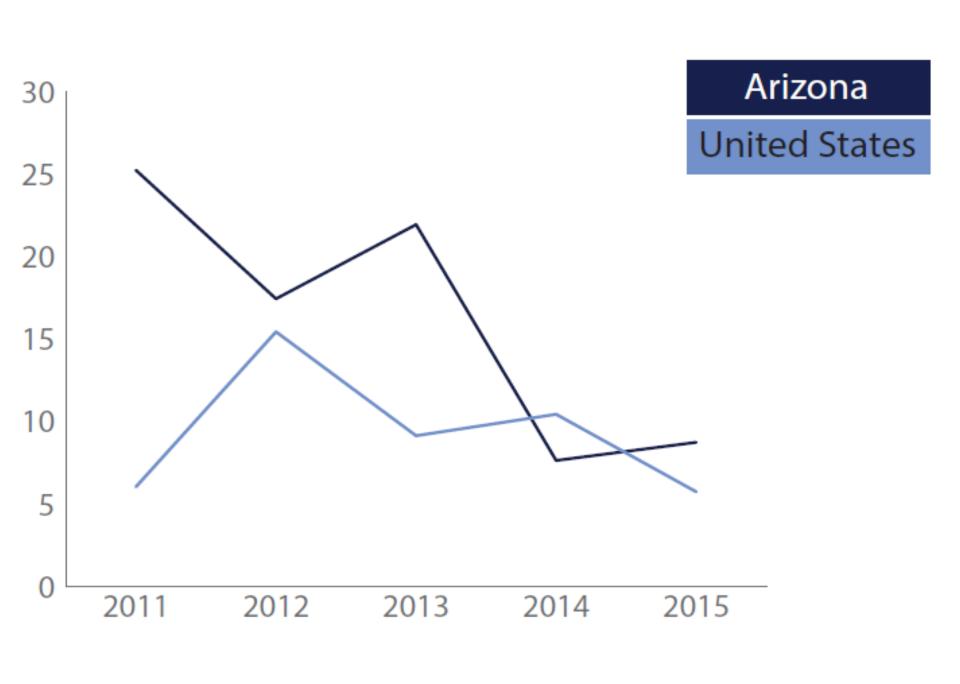
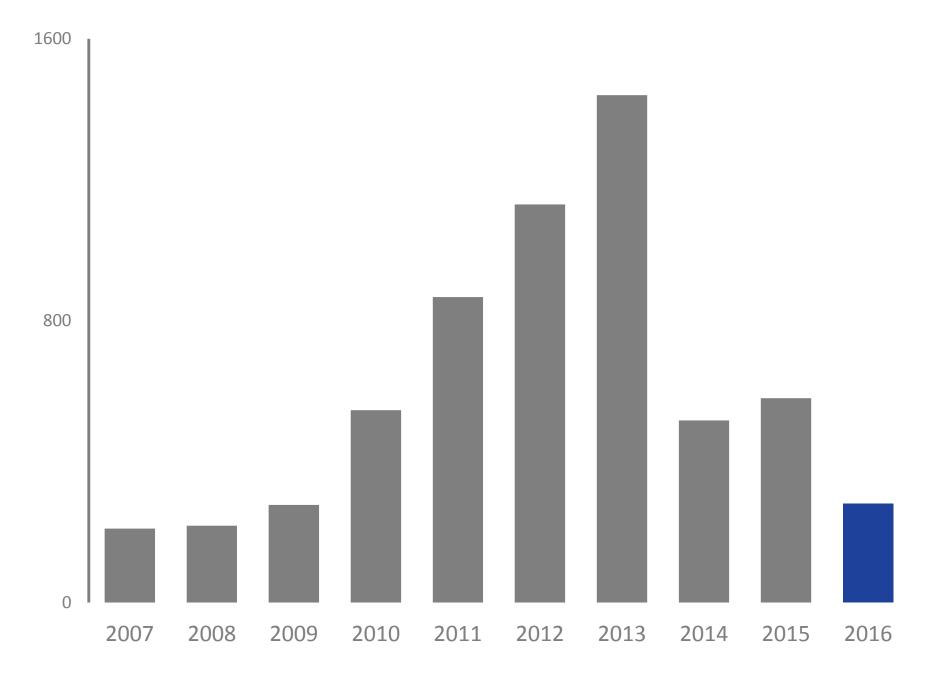


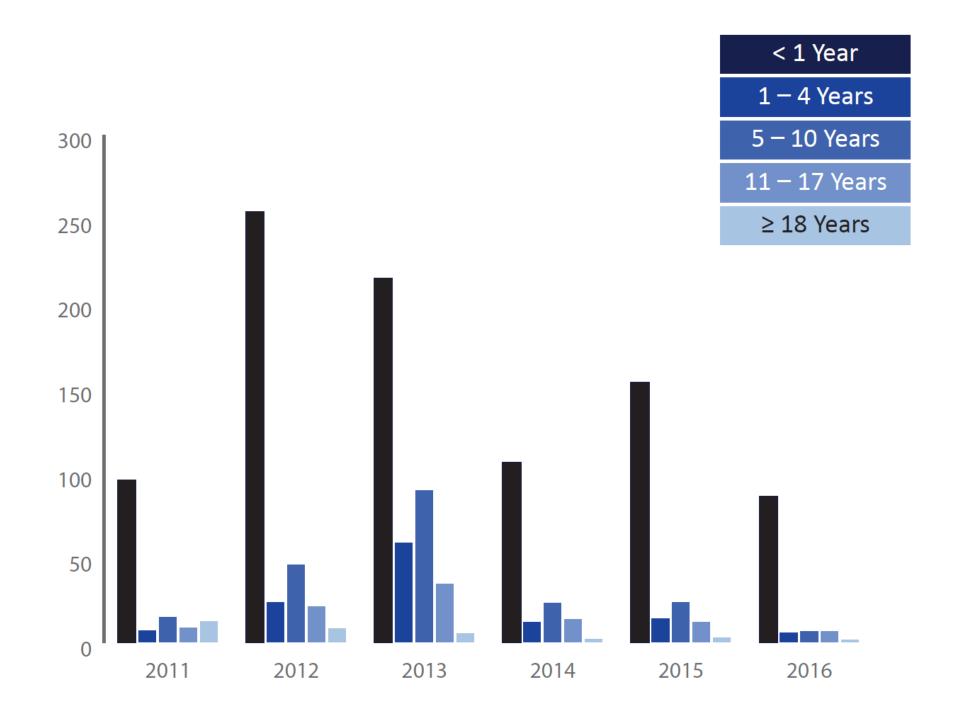
Image: Manual for the Surveillance of Vaccine-Preventable Diseases, 2015

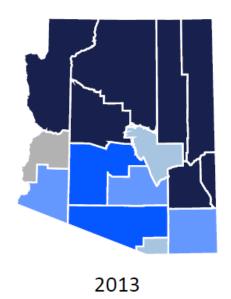
Reported NNDSS pertussis cases: 1922-2015

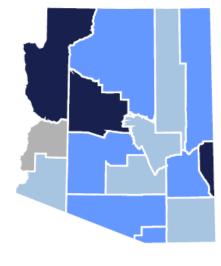


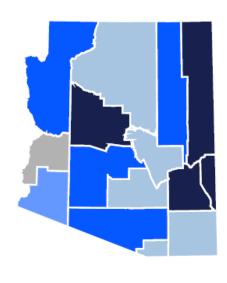


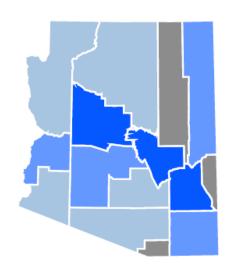




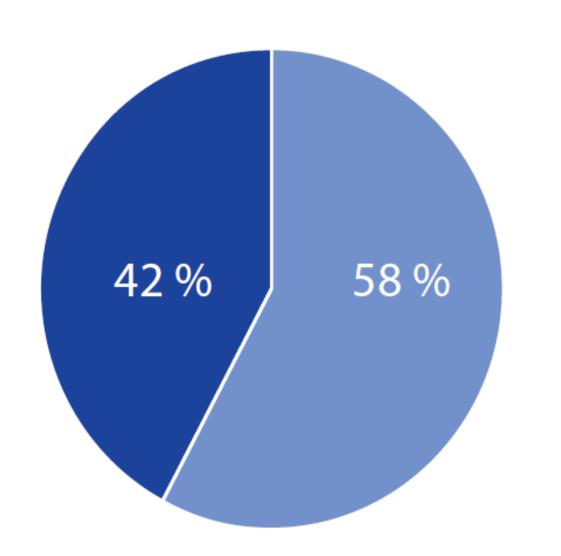








2015 2016



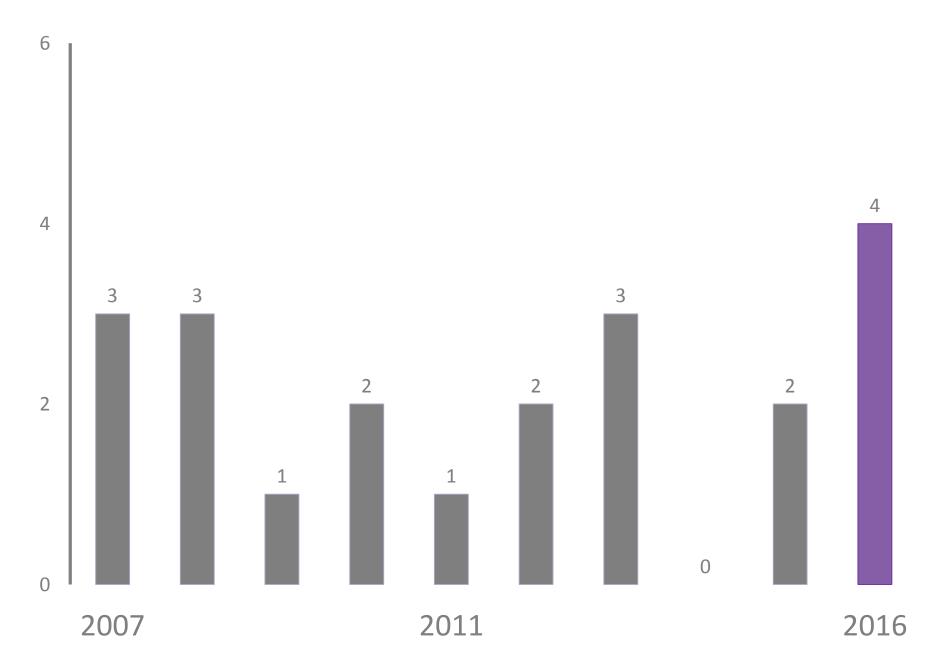
Male

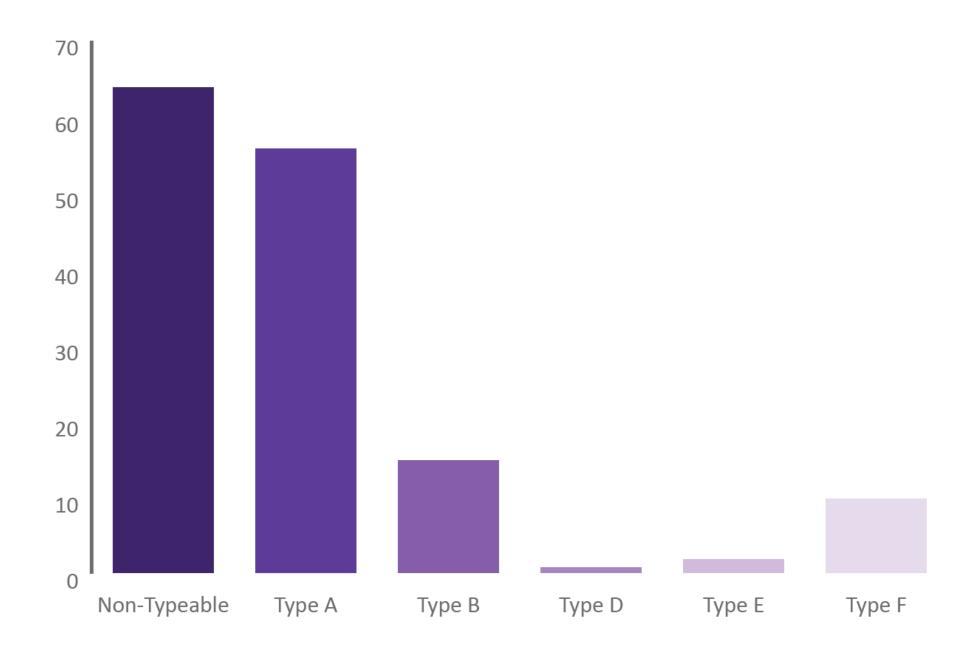
Female

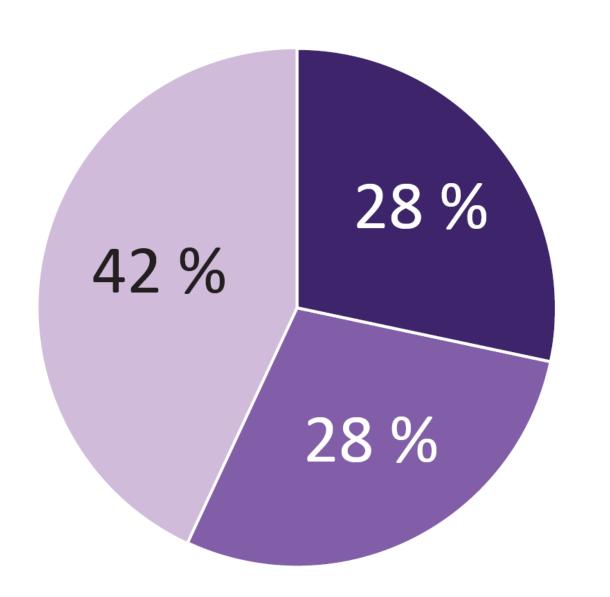
Haemophilus influenzae type b



https://www.cdc.gov/hi-disease/about/photos.html





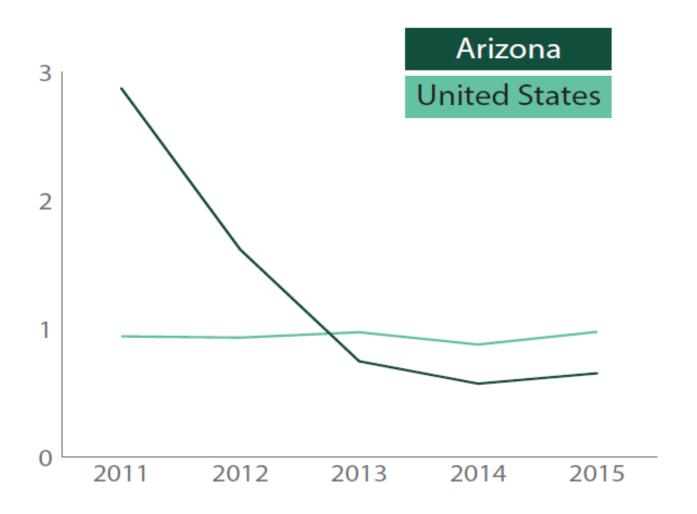


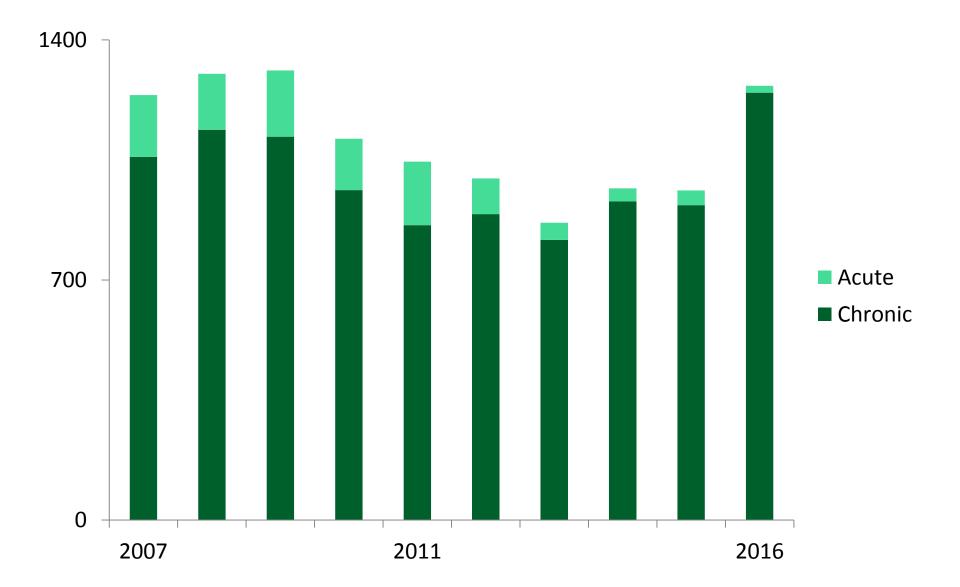
Fully vaccinated

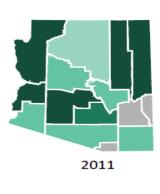
Under vaccinated

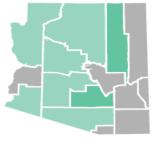
Unvaccinated

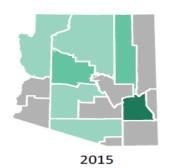
Hepatitis B

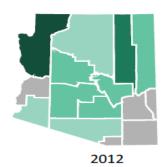


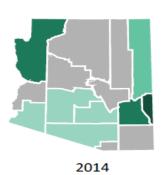


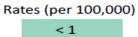


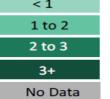


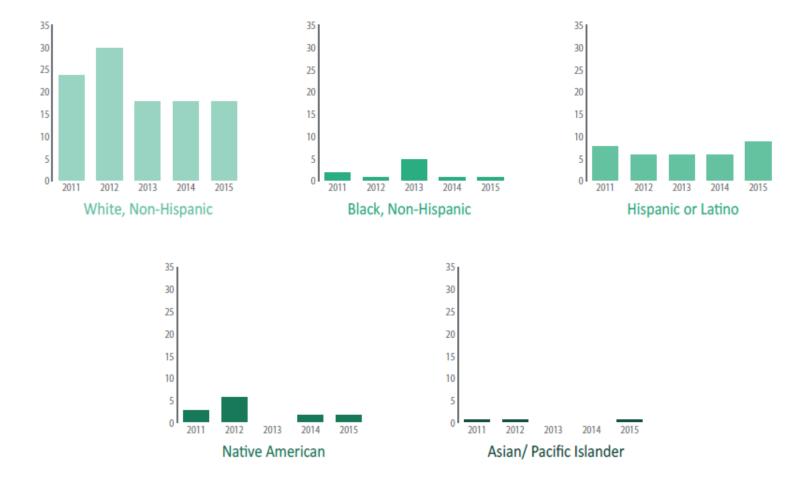


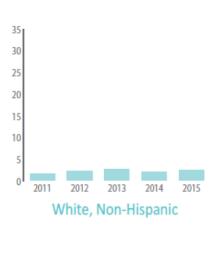


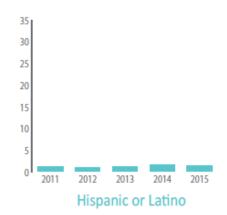


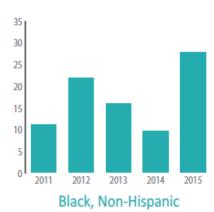


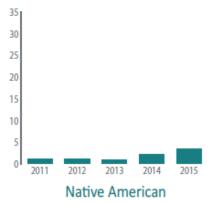


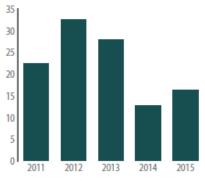






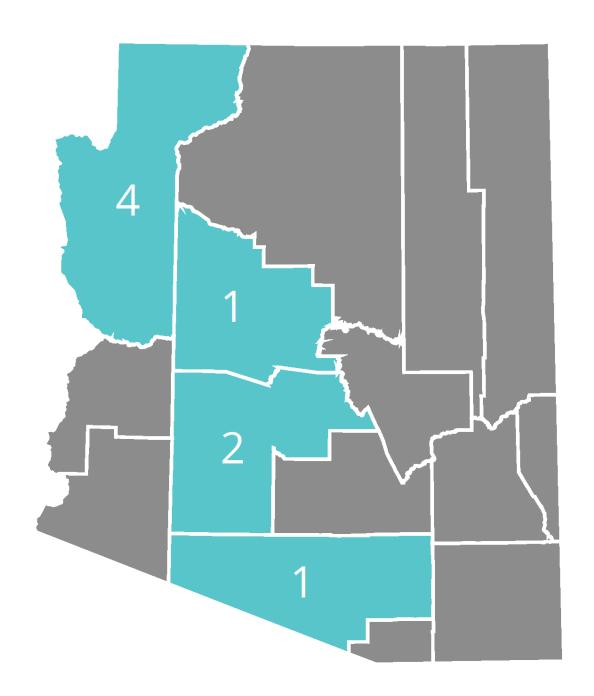






Asian/ Pacific Islander

Tetanus



Arizona Infectious Disease Conference July 19-20th, 2017

- Topics: VPDs, Healthcare-Associated Infections, Influenza, Refugee Health, Vector-borne and Zoonotic Diseases, TB, HIV, STDs, and more!
- Cost: Free!
- CEUs: Available!
- Foodborne Outbreak Tabletop Exercise July 18, 2017
- Location: Black Canyon Conference Center
- For more info, visit:http://azdhs.gov/preparedness/epidemiology-diseasecontrol/index.php#training-2017

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Questions?

Thank you!



THANK YOU

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