Use chat feature to tell us the names and credentials (RN, MA, etc.) of who is in the room with you!

Welcome
COVID-19 Update
Presentation & Conversation!
Wrap Up
Evaluation
Hello!

Rebecca Nevedale

and

Machrina Leach, RN, BSN
Mission

We foster community wellness and advocate for good public policy and best immunization practices.

- Partners like you!
- Over 400 Coalition members
- Working **together** can improve outcomes
POLL
Have you been to a T.I.P.S. training before?
Using the Technology
POLL
How many people are in the room with you?
Chat in your questions!
National Numbers from CDC

Cases: 1,956,421

Deaths: 110,925

Updated 6/9/20
COVID-19 in Arizona

• 29,852 cases in Arizona
  – Confirmed and probable
  – Rate of cases per 100,000 population = 415.2

• 1,095 deaths
  – Rate of fatalities per 100,000 population = 15.23

Data updated: 6/10/20
COVID-19 in Arizona

Case Counts (Number)

Case Rates per 100,000 population

Data updated: 6/10/20
Rates of positive tests increasing

COVID-19 tests completed and percent positive by week
Percent positive is defined as number of people with a positive test result, out of all people with COVID-19 testing completed in AZ.

<table>
<thead>
<tr>
<th>Total % Positive COVID-19 PCR Tests</th>
<th>7.7%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total % Positive COVID-19 Serology Tests</td>
<td>3.1%</td>
</tr>
</tbody>
</table>

Date Updated: 6/10/2020

*NOTE: Results from the last 4-7 days may not be reported yet.*
People who are 65+ years of age OR who have a chronic medical condition are at highest risk for severe disease.

Age and Chronic Health Condition

<table>
<thead>
<tr>
<th>Category</th>
<th>All COVID-19 cases</th>
<th>Hospitalized</th>
<th>Admitted to the ICU</th>
<th>Died</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-19 years</td>
<td>9%</td>
<td>1%</td>
<td>1%</td>
<td>0%</td>
</tr>
<tr>
<td>20-44 years</td>
<td>46%</td>
<td>21%</td>
<td>14%</td>
<td>2%</td>
</tr>
<tr>
<td>45-64 years</td>
<td>29%</td>
<td>34%</td>
<td>37%</td>
<td>13%</td>
</tr>
<tr>
<td>65+ years</td>
<td>16%</td>
<td>43%</td>
<td>48%</td>
<td>85%</td>
</tr>
<tr>
<td>Chronic medical condition</td>
<td>21%</td>
<td>58%</td>
<td>70%</td>
<td>70%</td>
</tr>
<tr>
<td>High risk (65+ years OR 1+ chronic medical condition)</td>
<td>29%</td>
<td>69%</td>
<td>79%</td>
<td>94%</td>
</tr>
</tbody>
</table>
This number is likely to increase as there is a 10 day reporting delay from when specimens were collected.
Maricopa County Hospitalized Cases

The best way to track COVID-19 trends in Maricopa County is to follow the number of people hospitalized with COVID-19. This is because hospitalizations are not influenced by testing availability or by the addition of new types of tests. COVID-19 hospitalizations have leveled off likely due to social distancing efforts.

Epi Curve by Hospitalizations

This number is likely to increase as there is a 6 day reporting delay from when specimens were collected.

Data updated: 6/9/20
Stop the Spread!

- Main infection control measures – in order of effectiveness
  - Maintain at least 6 feet of distance between self and others who are not part of our household
  - Put up physical waterproof barriers
  - Have both people wear cloth masks or face coverings
    - If both people cannot be masked, at least one should be masked
  - Hand washing, hand sanitizer
- Other things to remember
  - It’s better to be outside than inside
  - If you’re in close quarters, face the same direction
FOR ALL EMPLOYEES, VOLUNTEERS, & VISITORS

DO NOT COME INTO ANY WORK LOCATION IF YOU ARE EXPERIENCING*:

- Cough
- Shortness of breath or difficulty breathing
- Fever
- Chills
- Repeated shaking with chills
- Muscle pain
- Fatigue
- Nausea or vomiting
- Headache
- Sore throat
- New loss of taste or smell
- Congestion or runny nose
- Diarrhea

*EXCEPTIONS ARE SYMPTOMS RELATED TO CHRONIC ALLERGIES OR ASTHMA

PLEASE NOTIFY YOUR SUPERVISOR AND SEE IF ARRANGEMENTS CAN BE MADE TO WORK REMOTELY.
POLL
Is immunization coverage impacted by the COVID-19 pandemic?
Why are Vaccines Important and Protecting Herd Immunity
Review...

**Morbidity**
Diseased condition or state; The incidence of disease

**Mortality**
The number of deaths in a given time or place; The rate of death
Review…

**Morbidity**
Diseased condition or state;
The incidence of disease

**Mortality**
The number of deaths in a given time or place; The rate of death
Review…

Morbidity
Diseased condition or state; The incidence of disease

Mortality
The number of deaths in a given time or place; The rate of death
"Estimated percentage of people who have received specific vaccines. - CDC"
Herd Immunity or Community Immunity

“
A situation in which a sufficient proportion of a population is immune to an infectious disease (through vaccination and/or prior illness) to make its spread from person to person unlikely. Even individuals not vaccinated (such as newborns and those with chronic illnesses) are offered some protection because the disease has little opportunity to spread within the community.

- CDC vaccine Glossary
Immunity
Officials: Teen at Dance Competition in Arizona Had Measles

Public health officials say a teenager competing in the World Hip Hop Championship in Phoenix has measles and may have exposed others at the dance competition.

By Associated Press, Wire Service Content  Aug. 23, 2019, at 9:15 p.m.

Maricopa County reveals more sites where people may have been exposed to measles

Eric Zott  Posted Aug 23, 2019
Arizona Coverage Rates
Combined 7-vaccine Series coverage among children 19-35 months by State, HHS Region, and the United States, National Immunization Survey-Child (NIS-Child), 2017

Source: https://www.cdc.gov/vaccines/imz-managers/coverage/childvaxview/data-reports/7-series/trend/index.html
2017 National Immunization Survey
Arizona Coverage Level Estimates* for 19 to 35 months

*Confidence intervals for coverage level estimates for Arizona ranged from 2.8% to 7.1% in 2017. The 2017 NIS results were released in October 2018. Source: National Immunization Survey (NIS) results posted at https://www.cdc.gov/vaccines/imz-managers/coverage/childvaxview/Index.html.
Arizona Hepatitis A Outbreak

Number of Cases: 598
Deaths: 8

Cases of hepatitis A by month

Risk Factors for this Outbreak

Percentage of hepatitis A cases that are currently or were recently incarcerated

Percentage of hepatitis A cases that are experiencing homelessness, use drugs, both experiencing homelessness and use drugs, or where there were no identified risk factors.

Cases of hepatitis A by month

Date last updated: 4/16/2020
What is Hep A?

598 documented cases in Arizona
- ADHS, 6/3/2020

- Symptoms
- Treatment
- Prevention
6x risk
Attended or worked in childcare setting

3x risk
Household contact of such a person

Drop in Hepatitis A cases after implementation

Maricopa County Day Care Vaccination Requirement
2017 National Immunization Survey
Arizona Coverage Level Estimates* for 19 to 35 months

*Confidence intervals for coverage level estimates for Arizona ranged from 2.8% to 7.1% in 2017. The 2017 NIS results were released in October 2018. Source: National Immunization Survey (NIS) results posted at https://www.cdc.gov/vaccines/mz-managers/coverage/childvaxview/index.html.
Andie Denious, RN Hot Shot Award Winner

Elizabeth Mason
School Nurse
<table>
<thead>
<tr>
<th></th>
<th>2005</th>
<th>2010</th>
<th>2015</th>
<th>2018</th>
<th>2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>Personal Beliefs Exemptions</td>
<td>2.1%</td>
<td>2.8%</td>
<td>4.6%</td>
<td>5.4%</td>
<td>5.9%</td>
</tr>
<tr>
<td>Medical Exemptions</td>
<td>0.2%</td>
<td>0.2%</td>
<td>0.3%</td>
<td>0.7%</td>
<td>.8%</td>
</tr>
<tr>
<td>Total Exemptions</td>
<td>2.3%</td>
<td>3.0%</td>
<td>4.9%</td>
<td>6.1%</td>
<td>6.7%</td>
</tr>
</tbody>
</table>

**Total exemptions increased from 2.3% in 2005 to 6.7% in 2019.**

Source: Arizona Department of Health Services, Immunization Program Office. Data posted at [AZDHS.gov](https://AZDHS.gov)
Measles Protection by Arizona County*

2018-2019 School Year (6th Grade)

*As measured by the number and percentage of schools in which 95% or more of 6th grade students have at least 2 doses of the measles, mumps, and rubella (MMR) vaccine, as reported through the 2018-2019 Immunization Data Report.

<table>
<thead>
<tr>
<th>County</th>
<th>Total # of schools</th>
<th># of Schools with 95%+ MMR Coverage Rate</th>
<th>% of Schools with Community Immunity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apache</td>
<td>15</td>
<td>10</td>
<td>66.7%</td>
</tr>
<tr>
<td>Cochise</td>
<td>33</td>
<td>20</td>
<td>60.6%</td>
</tr>
<tr>
<td>Coconino</td>
<td>18</td>
<td>6</td>
<td>33.3%</td>
</tr>
<tr>
<td>Gila</td>
<td>11</td>
<td>3</td>
<td>27.3%</td>
</tr>
<tr>
<td>Graham</td>
<td>10</td>
<td>7</td>
<td>70.0%</td>
</tr>
<tr>
<td>Greenlee</td>
<td>2</td>
<td>1</td>
<td>50.0%</td>
</tr>
<tr>
<td>La Paz</td>
<td>5</td>
<td>4</td>
<td>80.0%</td>
</tr>
<tr>
<td>Maricopa</td>
<td>701</td>
<td>452</td>
<td>64.5%</td>
</tr>
<tr>
<td>Mohave</td>
<td>26</td>
<td>14</td>
<td>53.8%</td>
</tr>
<tr>
<td>Navajo</td>
<td>21</td>
<td>10</td>
<td>47.6%</td>
</tr>
<tr>
<td>Pima</td>
<td>162</td>
<td>115</td>
<td>71.0%</td>
</tr>
<tr>
<td>Pinal</td>
<td>48</td>
<td>31</td>
<td>64.6%</td>
</tr>
<tr>
<td>Santa Cruz</td>
<td>12</td>
<td>8</td>
<td>66.7%</td>
</tr>
<tr>
<td>Yavapai</td>
<td>44</td>
<td>12</td>
<td>27.3%</td>
</tr>
<tr>
<td>Yuma</td>
<td>30</td>
<td>27</td>
<td>90.0%</td>
</tr>
<tr>
<td>Total</td>
<td>1,138</td>
<td>720</td>
<td>63.3%</td>
</tr>
</tbody>
</table>

Only 4 in 10 kindergarten classrooms have the coverage levels necessary to stop a measles outbreak. This means over 5,000 Arizona kindergarteners would be at risk for measles.

Why is Measles Scary?
Teen National Immunization Survey
Arizona Coverage Level Estimates for 13 to 17 year olds

The 2014 NIS results were released in August 2015, and results from the 2015 NIS were released in October 2016 and 2017 released Sept 2018. Source: National Immunization Survey (NIS) results posted at https://www.cdc.gov/vaccines/hcp/immunizationcoverage/teen vaccines/data-reports/hpv/index.html. Prepared by The Arizona Partnership for Immunization.
What is Pertussis?

285 documented cases in Arizona
- ADHS, 6/2/2020

- Symptoms
- Treatment
- Prevention
Teen National Immunization Survey
Arizona Coverage Level Estimates for 13 to 17 year olds

POLL
Who does your practice immunize?
Healthcare Worker Influenza Vaccination – by Setting

FIGURE 1. Percentage of health care personnel who received influenza vaccination, by work setting* — Internet panel surveys,† United States, 2010–11 through 2017–18 influenza seasons
Healthcare Worker Influenza Vaccination – by Occupation

FIGURE 2. Percentage of health care personnel (HCP) who received influenza vaccination, by occupation* — Internet panel surveys,† United States, 2010–11 through 2017–18 influenza seasons.
FLU FACT

Flu vaccine has been shown to reduce the risk of adults and pregnant women being hospitalized from flu by 40%.
ACTION:
Think about your plans for flu!

Don’t leave yet!!!
TAPI TIPS VIRTUAL VACCINE CONVERSATIONS
Training on Immunization Practice Strategies (T.I.P.S.)

Session #1 – Wednesday, June 10th, 12:00-1:00 PM*
Why Vaccines are Important and Protecting Herd Immunity

Session #2 – Wednesday, June 24th, 12:00-1:00 PM
Vaccine Basics and Understanding the ACIP Schedule

Session #3 – Wednesday, July 8th, 12:00-1:00 PM
Protecting the Cold Chain and Preparing for Patients

Session #4 – Wednesday, July 22nd, 12:00-1:00 PM
Empowering Patients and Administering Vaccines

Session #5 – Wednesday, August 5th, 12:00-1:00 PM
Best Practices for Immunization Delivery in Arizona

*Shown in AZ Time

Plan to attend each session to be eligible for a FREE PRIZE!

For more information, visit www.WhyImmunize.org or call 602.288.7568

You must register for each session individually.

Don’t forget the post-test!
Thank you for saving lives every day!