What is a VPD Outbreak?

A Vaccine-Preventable Disease, or VPD, outbreak (e.g., measles) may occur when community members are inadequately vaccinated against a disease. The TN Kindergarten Immunization Compliance Assessment is a great way to understand your county’s risk of an outbreak!

Sevier County Kindergarten Immunization Compliance Assessment (2018-19)

<table>
<thead>
<tr>
<th>Student Status</th>
<th>% (#) of Schools</th>
</tr>
</thead>
<tbody>
<tr>
<td>At least 95% immunized</td>
<td>38% (5)</td>
</tr>
<tr>
<td>90% - 94.9% immunized</td>
<td>46% (6)</td>
</tr>
<tr>
<td>Below 90% immunized</td>
<td>15% (2)</td>
</tr>
</tbody>
</table>

Overall, 94.2% of 2018-2019 Sevier County kindergarten students were fully immunized at enrollment. To remain at low risk for a VPD outbreak, this rate should remain above 95%.

Impact of One Case of Measles in TN April 2019

- One case of measles
- Visited 4 health care facilities and 1 hotel
- Exposed 537 people
- Resulting in:
  - 32 people in isolation/quarantine
  - 4 additional measles cases
  - 584 total days missed work/school

Outbreaks like this can be avoided when the community is properly vaccinated.
1. The United States has the safest vaccine supply in its history. Vaccines do not cause autism. Source: https://tinyurl.com/z2vebhq

2. Vaccines protect children from 16 diseases, including 2 that are known to cause cancer. Source: https://tinyurl.com/v5q1m546

3. CDC estimates vaccines will prevent more than 21 million hospitalizations and 732,000 deaths among children born in the last 20 years. Source: https://tinyurl.com/v7ep84de

4. Jewish, Muslim, Hindu, Sikh, Buddhist, and most Christian faiths (including Catholic and Baptist) have no tenets in opposition to vaccines. Source: https://tinyurl.com/y5jv489p

5. 13 childhood vaccines are manufactured without the need of human cell culture. There are no fetal cells in vaccines. Source: https://tinyurl.com/y2h9veee

LEARN MORE!

The annual TN Kindergarten Immunization Compliance Assessment is a census of the immunization status of every kindergarten student enrolled in public school in Tennessee --more than 75,000 students! Check out the full report, by school! https://tinyurl.com/t9pbopr

Reliable Resources

- www.tn.gov/health/cedep/immunization-program.html
- www.chop.edu/centers-programs/vaccine-education-center
- www.healthychildren.org
- www.cdc.gov/vaccines