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!

Hamilton 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>37% (16)</td>
</tr>
<tr>
<td>90% - 94.9% immunized</td>
<td>37% (16)</td>
</tr>
<tr>
<td>Below 90% immunized</td>
<td>26% (11)</td>
</tr>
</tbody>
</table>

Immunization Rate and Risk of VPD Outbreak

- At least 95% immunized: meets immunization goal
- 90% - 94.9% immunized: needs improvement
- Below 90% immunized: vulnerable to preventable outbreaks

Overall, 93.0% of 2018-2019 Hamilton 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.
Facts Matter:

1. The United States has the safest vaccine supply in its history. Vaccines do not cause autism.  
   Source: [https://tinyurl.com/z2vebhq](https://tinyurl.com/z2vebhq)

2. Vaccines protect children from 16 diseases, including 2 that are known to cause cancer.  
   Source: [https://tinyurl.com/y5qlm546](https://tinyurl.com/y5qlm546)

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/y7ep84dc](https://tinyurl.com/y7ep84dc)

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](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](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](https://tinyurl.com/t9pbopr)

Reliable Resources

- [www.tn.gov/health/cedep/immunization-program.html](http://www.tn.gov/health/cedep/immunization-program.html)
- [www.chop.edu/centers-programs/vaccine-education-center](http://www.chop.edu/centers-programs/vaccine-education-center)
- [www.healthychildren.org](http://www.healthychildren.org)
- [www.cdc.gov/vaccines](http://www.cdc.gov/vaccines)

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