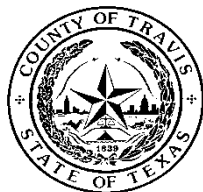


Vaccines and Medical Implications for Child Care Centers

**Presentation to the Early Childhood Council
March 11, 2015**

**Phil Huang, MD, MPH
Medical Director/Health Authority
Austin/Travis County HHSD**



The Impact of Vaccines in the United States

| Disease | Baseline 20th Century | | Percent Decrease |
|--|--------------------------|------------|------------------|
| | Pre-Vaccine Annual Cases | 2009 Cases | |
| Measles | 503,282 | 71 | 99.9% |
| Diphtheria | 175,885 | 0 | 100% |
| Mumps | 152,209 | 1,991 | 98.7% |
| Pertussis | 147,271 | 13,214 | 91.0% |
| Smallpox | 48,164 | 0 | 100% |
| Rubella | 47,745 | 3 | 99.9% |
| <i>Haemophilus influenzae</i> type b, invasive | 20,000 | 35 | 99.8% |
| Polio | 16,316 | 0* | 100% |
| Tetanus | 1,314 | 18 | 98.6% |

Vaccine-Preventable Diseases

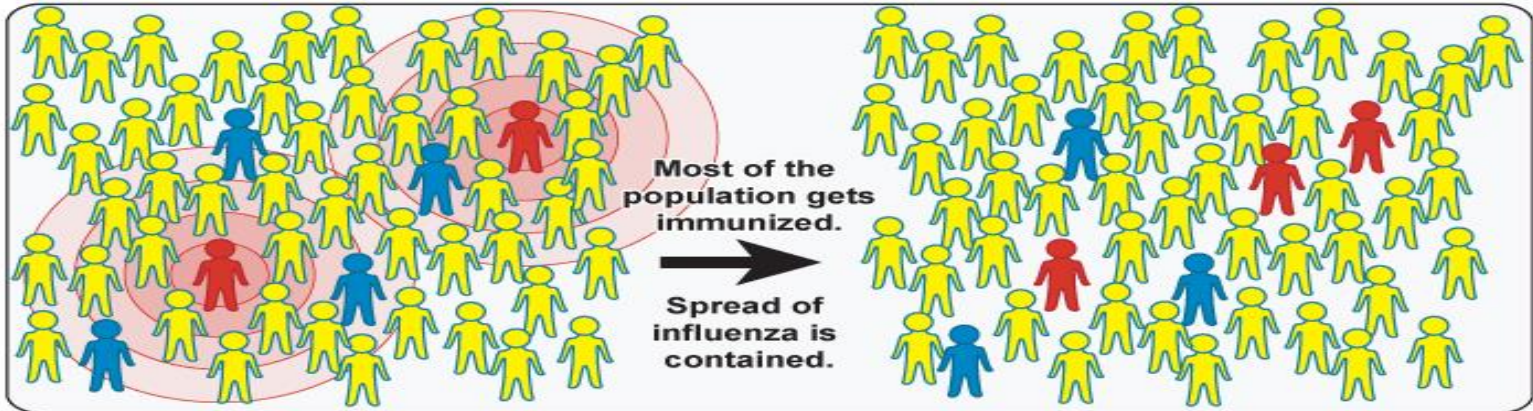
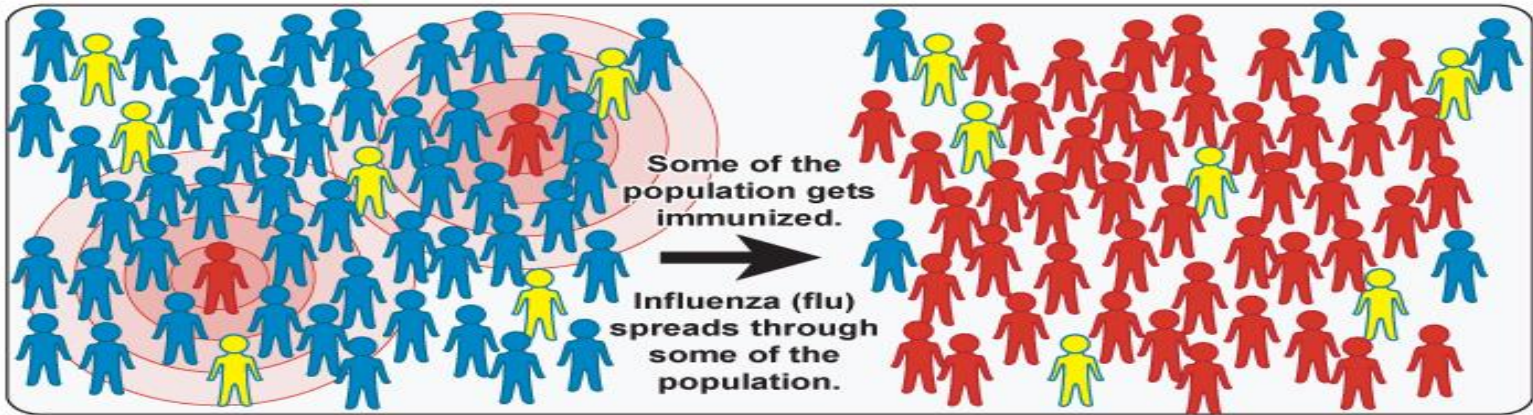
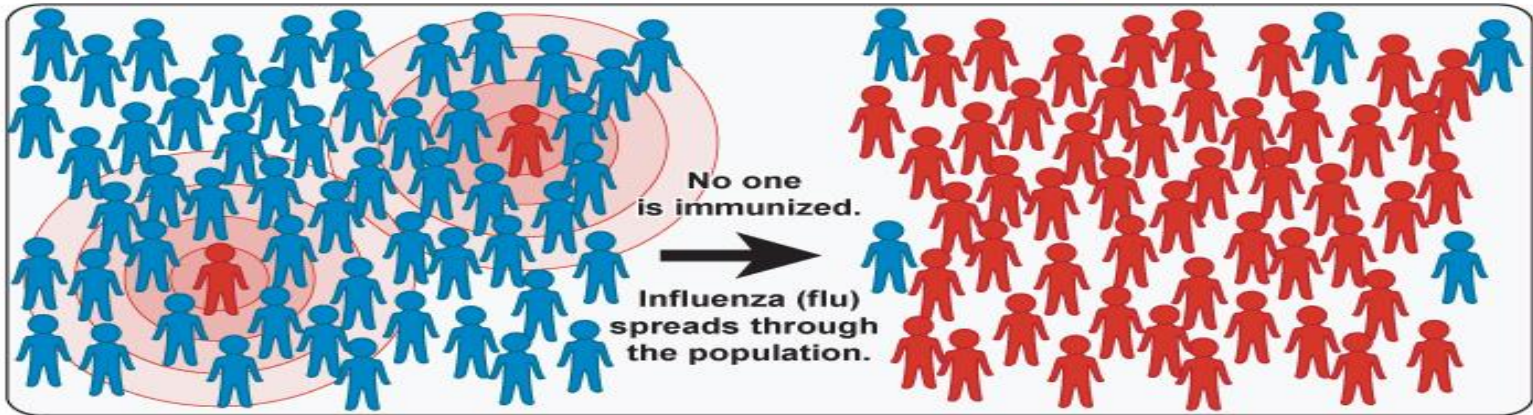
Travis County, 2014

| Condition | 2013 Total | 2014 Total | % Change |
|---------------|------------|------------|----------|
| Diphtheria | 0 | 0 | 0 |
| Tetanus | 0 | 0 | 0 |
| Pertussis | 311 | 334 | +7.4% |
| Polio | 0 | 0 | 0 |
| Hib | 0 | 0 | 0 |
| Hep B, Acute | 11 | 11 | 0 |
| Hep A, Acute | 5 | 13 | +160% |
| Pneumococcus | 94 | 78 | -17% |
| Measles | 0 | 0 | 0 |
| Mumps | 0 | 1 | +100% |
| Rubella | 0 | 0 | 0 |
| Varicella | 129 | 93 | -27.9% |
| Meningococcus | 1 | 3 | +200% |

 = not immunized but still healthy

 = immunized and healthy

 = not immunized, sick and contagious



Vaccines for Children

20 years of protecting America's children

The Vaccines for Children program was established in 1994 to make vaccines available to uninsured children. VFC has helped prevent disease and save lives...big time!

CDC estimates that vaccination of children born between 1994 and 2013 will:

prevent **322 million** illnesses


more than the current population of the entire U.S.A.

help avoid **732,000** deaths


greater than the population of Boston, MA.

save nearly **\$1.4 trillion** in total societal costs
(that includes \$295 billion in direct costs)


or \$4,473 for each American

MMWR. Benefits from Immunization During the Vaccines for Children Program Era — United States, 1994–2013. www.cdc.gov/mmwr | 04.29.2014



U.S. Department of Health and Human Services
Centers for Disease Control and Prevention

www.cdc.gov/features/vfcprogram