Why do we need to immunize?

Immunizations are and continue to be one of public health's top 10 greatest achievements.

Only one other measure has prevented more illness and death, and that is? CLEAN WATER
Some pictures of Vaccine-Preventable Diseases

Whooping cough

measles
<table>
<thead>
<tr>
<th>Disease</th>
<th>Pre-Vaccine Era Estimated Annual Morbidity</th>
<th>Most Recent Reports or Estimates of U.S. Cases</th>
<th>Percent Decrease</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diphtheria</td>
<td>21,053</td>
<td>0*</td>
<td>100%</td>
</tr>
<tr>
<td><em>Haemophilus influenzae type b - Hib (invasive)</em> ‡</td>
<td>20,000</td>
<td>&lt;50†</td>
<td>&gt;99%</td>
</tr>
<tr>
<td>Hepatitis A</td>
<td>117,333</td>
<td>15,298†</td>
<td>87%</td>
</tr>
<tr>
<td>Hepatitis B (acute)</td>
<td>66,232</td>
<td>13,169†</td>
<td>80%</td>
</tr>
<tr>
<td>Measles</td>
<td>530,217</td>
<td>55*</td>
<td>&gt;99%</td>
</tr>
<tr>
<td>Mumps</td>
<td>162,344</td>
<td>6,584*</td>
<td>96%</td>
</tr>
<tr>
<td>Pertussis</td>
<td>200,752</td>
<td>15,632*</td>
<td>92%</td>
</tr>
<tr>
<td><em>Pneumococcal disease (invasive)</em></td>
<td>63,067</td>
<td>41,550†</td>
<td>34%</td>
</tr>
<tr>
<td>Polio (paralytic)</td>
<td>16,316</td>
<td>0*</td>
<td>100%</td>
</tr>
<tr>
<td>Rubella</td>
<td>47,745</td>
<td>11*</td>
<td>&gt;99%</td>
</tr>
<tr>
<td>Congenital Rubella Syndrome</td>
<td>152</td>
<td>1*</td>
<td>&gt;99%</td>
</tr>
<tr>
<td>Smallpox</td>
<td>29,005</td>
<td>0*</td>
<td>100%</td>
</tr>
<tr>
<td>Tetanus</td>
<td>580</td>
<td>41*</td>
<td>93%</td>
</tr>
<tr>
<td>Varicella</td>
<td>4,085,120</td>
<td>612,768†</td>
<td>85%</td>
</tr>
</tbody>
</table>

Source: CDC, JAMA, November 14, 2007; 298(18): 2155–2163
‡ <5 years of age
School Entry Requirements for K/TK
(Also apply to children 4-6 years old who skip K)

<table>
<thead>
<tr>
<th>Vaccine</th>
<th>Number of Doses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diptheria, Tetanus, &amp; Pertussis</td>
<td>5*</td>
</tr>
<tr>
<td>Polio</td>
<td>4*</td>
</tr>
<tr>
<td>Hepatitis B</td>
<td>3</td>
</tr>
<tr>
<td>Measles, Mumps, &amp; Rubella</td>
<td>2^</td>
</tr>
<tr>
<td>Varicella</td>
<td>1</td>
</tr>
</tbody>
</table>

*1 dose fewer is acceptable if last dose given on or after 4th birthday
^2 on/after 1st birthday: 2 MMR or 2 doses of measles vaccine + at least 1
dose of rubella and mumps vaccine; MMR is only measles vaccine currently
available in US
## School Entry Requirements for 7-17 years
( Elementary & Secondary school)

<table>
<thead>
<tr>
<th>Vaccine</th>
<th>Number of Doses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diptheria, Tetanus, &amp; Pertussis</td>
<td>4*</td>
</tr>
<tr>
<td>Polio</td>
<td>4*</td>
</tr>
<tr>
<td>Tdap</td>
<td>1~</td>
</tr>
<tr>
<td>Measles, Mumps, &amp; Rubella</td>
<td>1^</td>
</tr>
<tr>
<td>Varicella</td>
<td>1**</td>
</tr>
</tbody>
</table>

*1 dose fewer is acceptable if last dose given on or after 2nd birthday  
~1 dose at 7th grade (1 dose on or after 7th birthday)  
^2 doses required at 7th grade  
**1 dose at 7-12 years; 2 doses at 13-17 years
California Health & Safety Code Section 120335 (b)

- The governing authority shall not unconditionally admit any person as a pupil of any private or public
  - Elementary of secondary school,
  - Child care center, day nursery, nursery school, family day care home, or development center

Unless, prior to his or her first admission to that institution, he or she has been fully immunized
California Health & Safety Code Section 120375 (a)

• The governing authority of each school or institution...shall:
  - Require documentary proof of each entrant’s immunization status.
  - Record the immunizations of each new entrant in the entrant’s permanent enrollment and scholarship record on a form provided by the department.
SB 277 effective July 2016

- Removes personal belief exemption (PBE) from school vaccination requirements
- Allows exemptions only for medical reasons (only by MD or DO)
- Applies to public and private elementary or secondary schools, child care centers, day nurseries, nursery schools, family day care homes, developmental centers
SB 277 effective July 2016: PBE

A PBE filed before January 1, 2016 for:

• A child in a child-care facility will remain valid until the child first enters the span between TK/Kindergarten – 6\textsuperscript{th} Grade

• A child in TK – 6\textsuperscript{th} grade will remain valid until child enters 7\textsuperscript{th} Grade

• A child in 7\textsuperscript{th} through 12\textsuperscript{th} Grade will remain valid through 12\textsuperscript{th} Grade
SB 277 effective July 2016: PBE

Children with a valid PBE filed before 2016 who enter a new grade span will have to

- Meet all age-appropriate immunization requirements for admission into primary or secondary school (K-12th grade) or
- Be enrolled in an independent study program and do not receive classroom-based instruction or in a home-based private school
Schools’ Responsibilities

- **Inform** parents of immunization requirements, before students enter school
- **Require proof** of immunizations
- **Verify immunization dates** before admitting students
- **Notify parents** of any missing or invalid immunizations needed for school entry
- **Admit** students with all required immunizations
Schools’ Responsibilities Cont’d

- Conditionally admit students who are “up-to-date,” but missing additional doses
- **Follow-up** with these students
- Exclude students not up-to-date
- Update and maintain accurate CA Student Immunization Records (CSIR – blue cards)
- **Complete** and submit California School Assessment Forms
Routine Checkpoints for Immunization Requirements

• When starting
  • Childcare – additional requirements until age 18 months
  • Transitional Kindergarten (TK)/Kindergarten (K)
  • 7th Grade
• When transferring into CA school or childcare from outside CA for any grade level if 17 years of age or younger
Meeting Immunization Requirements
Unconditional Admission

Documentation for each required dose of

• Receipt of Vaccine OR

• Permanent Medical Exemption
Meeting Immunization Requirements
Conditional Admission

For doses not meeting requirements of unconditional admission, documentation of

- Receipt of all doses due at the moment, but additional doses required doses due later in the year
  OR

- Temporary Medical Exemption
Permanent Medical Exemption

• If child has a medical condition which permanently rules out 1 or more vaccines, the child can be exempted from IZ(s) requirements.
• A written statement from the physician must be presented at registration and must state there is a medical condition which permanently rules out IZ(s) and signed by MD or DO.
• With Rubella and Mumps exemption there has to be a MD statement stating child had laboratory-confirmation of disease.
• If there is a disease outbreak, the school may be ordered by Public Health to exclude child.
Temporary Medical Exemption

• If child has a temporary medical condition which rules out 1 or more vaccines or the MD wishes to delay an IZ, the child can be temporarily exempted from IZ(s) requirements.

• A written statement from the physician must be presented at registration and must state there is a medical condition which temporarily rules out IZ(s), how long it will last, and which IZ is postponed. This must be signed by MD.

• If there is a disease outbreak, the school may be ordered by Public Health to exclude child.
Exclusion Criteria

- New K, 7th grade (if never attended CA Kindergarten), & out-of-country entrants must present proof at or before entry into school. No “grace period” if no records.
- Transferring students within CA or from out-of-state have 30 days OR less
- Children who fail to meet a requirement’s deadline under conditional admission.
- If there is a disease outbreak, the school may be ordered by Public Health to exclude child who is not immunized.
What Schools Do With Shot Records

- Transcribe immunization dates from the yellow card onto the California School Immunization Record (CSIR or “blue card”) The blue card is a legal school document
- Review blue cards to make sure immunization requirements are met
- Keep blue cards as part of Mandatory Permanent Pupil Record
- Transfer to child’s next school (high schools must keep indefinitely)
Resources

- www.eziz.org/assets/docs/IMM-1080.pdf
- www.shotsforschool.org