

****CHILD VACCINES****

DIPHTHERIA, TETANUS, PERTUSSIS VACCINES

DTaP: Diphtheria, Tetanus, acellular Pertussis Vaccine

Infanrix® Licensed in 1997

Daptacel® Licensed in 2002

- 5 dose series.
 - ✓ *Exception:* Dose 5 is not required if all of the following have been met:
 - Dose 4 was given on or after 4 years of age.
 - There has been at least 4 weeks between dose 1 and dose 2.
 - There has been at least of 4 weeks between dose 2 and dose 3.
 - There has been at least 6 months between dose 3 and dose 4.
- Recommended at 2, 4, 6 and 15-18 months of age and 4-6 years of age.
 - ✓ *Exception:* Dose 4 can be given as early as 12 months of age if there has been at least 6 months between dose 3 and dose 4.
- Required for childcare at 2, 4, 6, 15 months and 4 years of age.
- Minimum age 6 weeks.
- Minimum interval between dose 1 and dose 2 is 4 weeks.
- Minimum interval between dose 2 and dose 3 is 4 weeks.
- Minimum interval between dose 3 and dose 4 is 6 months.
 - ✓ *Exception:* Dose 4 is valid and does not need to be repeated if given at least 4 months after dose 3. However, this minimum interval should only be used when evaluating immunization records retrospectively.
- Minimum interval between dose 4 and dose 5 is 6 months.
- Maximum age 6 years.
 - ✓ *Please Note:* If Tdap was inadvertently given to a child less than 7 years of age for one of the first 3 doses in the primary DTaP series, the dose is **not valid** and needs to be repeated with DTaP. Continue vaccinating on schedule.
 - ✓ *Exception:* If Tdap was inadvertently given to a child less than 7 years of age for either dose 4 or dose 5 in the DTaP series, the dose is **valid** and does not have to be repeated.
- Licensed for in use in children 6 weeks-6 years of age.

DT: Diphtheria, Tetanus Vaccine *Requires a Medical Exemption*****

Generic®

- **Only used for Children who have a Medical Contraindication to Pertussis Vaccine**
- 5 dose series.
 - ✓ *Exception: Dose 5 is not required if all of the following have been met:*
 - *Dose 4 was given on or after 4 years of age.*
 - *There has been at least 4 weeks between dose 1 and dose 2.*
 - *There has been at least 4 weeks between dose 2 and dose 3.*
 - *There has been at least 6 months between dose 3 and dose 4.*
- Recommended at 2, 4, 6, 15-18 months and 4-6 years of age.
 - ✓ *Exception: Dose 4 can be given as early as 12 months of age if there has been at least 6 months between dose 3 and dose 4.*
- Required for childcare at 2, 4, 6, 15 months and 4 years of age.
- Minimum age 6 weeks.
- Minimum interval between dose 1 and dose 2 is 4 weeks.
- Minimum interval between dose 2 and dose 3 is 4 weeks.
- Minimum interval between dose 3 and dose 4 is 6 months.
 - ✓ *Exception: Dose 4 is valid and does not need to be repeated if given at least 4 months after dose 3. However, this minimum interval should only be used when evaluating immunization records retrospectively.*
- Minimum interval between dose 4 and dose 5 is 6 months.
- Maximum age 6 years.
- If a child has received all DT's or less than 4 DTaP's or DPT's they are not pertussis protected.
- If the child's medical contraindication to pertussis vaccine has been resolved the series should be completed with DTaP as age appropriate.
- Licensed for use in children 6 weeks-6 years of age.

Tdap: Tetanus, diphtheria, acellular Pertussis Vaccine

Boostrix® Licensed in 2005

Adacel® Licensed in 2005

- ***Catch-up: Persons 7 years of age and older who have not completed a DTaP series.***
 - ✓ 1 single dose.
 - ✓ *Exception: Tdap can be used to complete the 3 dose Tetanus/Diphtheria containing vaccine primary series if Td vaccine is not available.*
 - ✓ The number of doses of Tetanus/Diphtheria containing vaccine depends upon the previous number of doses of DTaP and the age(s) when they were given. The series maybe started or completed with a single dose of Tdap and followed with Td if needed to complete the Tetanus/Diphtheria vaccine series. ([See Tdap/Td Catch-up Guide for Children 7-18 Years of Age](#))
- Unknown or no record of DTaP vaccination.
 - 3 dose series.
 - 1 single dose of Tdap and 2 doses of Td.
 - ✓ *Please Note: Preferably Tdap should be given as the first dose in the catch-up Tetanus/Diphtheria series but can be given for any of the doses in series.*
 - Recommended at 0, 1, 7 month-schedule.
 - Minimum interval between dose 1 and dose 2 is 4 weeks.
 - Minimum interval between dose 2 and dose 3 is 6 months

Td: Tetanus, diphtheria,

Generic®

Tenivac® Licensed in 2003

- ***Catch-up: Persons 7 years of age and older who have not completed the DTaP series.***
 - ✓ 1-2 dose series.
 - ✓ The number of doses of Tetanus/Diphtheria containing vaccine depends upon the number of previous doses of DTaP and the age(s) when they were given. The series maybe started or completed with a single dose of Tdap and followed with Td if needed to complete the Tetanus/Diphtheria vaccine series. ([See Tdap/Td Catch-up Guide for Children 7-18 Years of Age](#))
- Unknown or no record of DTaP vaccination.
 - 3 dose series.
 - 1 single dose of Tdap and 2 doses of Td.
 - ✓ ***Please Note: Preferably Tdap should be given as the first dose in the catch-up Tetanus/Diphtheria series but can be given for any of the doses in the series.***
 - Recommended at 0, 1, 7 month-schedule.
 - Minimum interval between dose 1 and dose 2 is 4 weeks.
 - Minimum interval between dose 2 and dose 3 is 6 months.

COMBINATION DIPHTHERIA, TETANUS, PERTUSSIS VACCINES

DTaP-HepB-IPV: Diphtheria, Tetanus, acellular Pertussis-Hepatitis B-Inactive Poliovirus Vaccine

Pediarix® Licensed in 2002

- 3 dose series.
- Recommended at 2, 4, and 6 months of age.
- Minimum age 6 weeks.
- The recommended interval between doses is 8 weeks.
 - ✓ ***Please Note: The Hep B antigen dictates the minimum interval between doses of vaccine for the 3 dose primary series of DTaP and IPV.***
- Minimum interval between dose 1 and dose 2 is 4 weeks.
- Minimum interval between dose 2 and dose 3 is 8 weeks.
- Minimum interval between dose 1 and dose 3 is 16 weeks.
- Minimum age for the last dose in the series is 24 weeks of age.
- Maximum age is 6 years.
- May be used when any component of this combination vaccine is indicated and no components are contraindicated.
- Licensed for use in children 6 weeks-6 years of age.

DTaP-IPV/Hib: Diphtheria, Tetanus, acellular Pertussis-Inactive Poliovirus Vaccine/Haemophilus Influenzae Type B Vaccine

Pentacel® Licensed in 2008

- 4 dose series (Contains PRP-T Hib vaccine).
- Recommended at 2, 4, 6, and 15-18 months of age.
 - ✓ *Exception: Dose 4 can be given as early as 12 months of age if there has been at least 6 months between dose 3 and dose 4.*
- Minimum age 6 weeks.
- Minimum interval between dose 1 and dose 2 is 4 weeks.
- Minimum interval between dose 2 and dose 3 is 4 weeks.
- Minimum interval between dose 3 and dose 4 is 6 months.
 - ✓ *Exception: Dose 4 is valid and does not need to be repeated if given at least 4 months after dose 3. However, this minimum interval should only be used when evaluating immunization records retrospectively.*
- Minimum age for the last dose in the series is 12 months.
- Maximum age 4 years.
- May be used when any component of this combination vaccine is indicated and no components are contraindicated.
- Licensed for use in children 6 weeks-4 years of age.

DTaP-IPV: Diphtheria, Tetanus, acellular Pertussis-Inactive Poliovirus Vaccine

Kinrix® Licensed in 2008

Quadracel® License in 2015

- 1 single dose.
- Recommended at 4-6 years.
- Only approved for dose 5 in the DTaP series and dose 4 in the IPV series.
- Minimum age 4 years.
- Maximum age 6 years.
- Licensed for use in children 4-6 years of age.

HEPATITIS B VACCINES

HepB: Hepatitis B Vaccine

Engerix-B® Licensed in 1989

Recombivax HB® Licensed in 1983

- 3 dose series.
 - ✓ *Exception: 4 doses maybe given with a birth dose with the use of the combination vaccine Pediarix (DTaP-HepB-IPV) for the 3 dose primary series.*
- Recommended at birth, 1-2 and 6-18 months of age.
- Required for childcare at 2, 4 and 6 months of age.
 - ✓ *Please Note: When 4 doses are given, substitute Dose 4 for Dose 3 in the calculations.*
 - Dose 1 needs to be given by 2 months of age.
 - Dose 2 needs to be given by 4 months of age.
 - Dose 3 needs to be given at 6 months of age.
 - ✓ *Schedule Examples:*
 - *Birth dose, 1, 6 month-schedule.*
 - *Birth dose, 2, 6 month-schedule.*
 - *Birth dose, 4, 6 month schedule.*
 - *Birth dose, 2, 4 and 6 month-schedule.*
 - *2, 4, 6 month-schedule.*
- Minimum age day of birth.
- Minimum interval between dose 1 and dose 2 is 4 weeks
- Minimum interval between dose 2 and dose 3 is 8 weeks
- Minimum interval between dose 1 and dose 3 is 16 weeks
- Minimum age for the last dose in the series is 24 weeks of age.
- Maximum age none.
- Licensed for use in persons birth-adult.

HAEMOPHILUS INFLUENZAE TYPE B VACCINES

Hib: Haemophilus Influenzae Type B Vaccine

ActHIB® (PRP-T) Licensed in 1993

Hibrix® (PRP-T) Licensed in 2009

- 4 dose series.
 - ✓ *Exception: Unvaccinated children receiving their first dose of either ActHib or Hibrix (PRP-T Hib vaccines) at 7 months of age or older require fewer doses to complete the Hib series. The number of doses needed to complete the Hib series depends upon the child's current age. ([See Hib Catch-up Guide for Children 4 Months-4 Years of Age](#)).*
- Recommended at 2, 4, 6, and 12-15 months of age.
- Required for childcare at 2, 4, 6, and 12 months of age.
- Not required for childcare or school for children 5 years of age and older.
- Minimum age 6 weeks.
- Minimum interval between dose 1 and dose 2 is 4 weeks.
- Minimum interval between dose 2 and dose 3 is 4 weeks.
- Minimum interval between dose 3 and dose 4 is 8 weeks.
- Minimum age for the last dose in the series is 12 months of age.
- Maximum age for routine vaccination is 4 years.
- ***Unvaccinated children 7-11 months of age receiving their first dose of Hib vaccine.***
 - 3 dose series.
 - Minimum interval between dose 1 and dose 2 is 4 weeks.
 - Minimum interval between dose 2 and dose 3 is 8 weeks.
 - Minimum age for the last dose in the series is 12 months of age.
- ***Unvaccinated children 12-14 months of age receiving their first dose of Hib vaccine.***
 - 2 dose series.
 - Minimum interval between dose 1 and dose 2 is 8 weeks.
- ***Unvaccinated children 15-59 months of age receiving their first dose of Hib vaccine.***
 - 1 single dose.
 - ✓ *Please Note: Healthy children who have received at least 1 dose of any Hib vaccine on or after 15 months of age do not need further doses to complete the Hib series.*
- ActHib is licensed for use in children 2 months-5 years of age.
 - ✓ *Exception: ACIP allows use for children starting at 6 weeks of age.*
- Hibrix is licensed for use in children 6 weeks-4 years of age.

Hib: Haemophilus Influenzae Type B Vaccine

PedvaxHIB® (PRP-OMP)

- 3 dose series.
 - ✓ *Exception: 4 doses are required to complete the Hib series if a combination of (PRP-T) and (PRP-OMP) Hib vaccines are used.*
 - ✓ *Exception: Unvaccinated Children receiving their first dose of PedvaxHIB (PRP-OMP) vaccine at 12 months of age and older require fewer doses to complete the Hib series. The number of doses to complete the Hib series depends upon the child's current age. ([See Hib Catch-up Guide for Children 4 Months-4 Years of Age](#)).*
- Recommended at 2, 4 and 12-15 months of age.
- Required for childcare at 2, 4, and 12 months of age.
 - ✓ *Please Note: PedvaxHib (PRP-OMP) Hib vaccine does not require a 3rd dose at 6 months of age to complete the primary Hib series. The 3rd dose is recommended at 12-15 months of age to complete the PRP-OMP Hib series.*
- Not required for childcare or school for children 5 years of age and older.
- Minimum age 6 weeks.
- Minimum interval between dose 1 and dose 2 is 4 weeks.
- Minimum interval between dose 2 and dose 3 is 8 weeks.
- Minimum age for the last dose in the series is 12 months of age.
- Maximum age for routine vaccination is 4 years.
- ***Unvaccinated children 12-14 months of age receiving their first dose of Hib vaccine.***
 - 2 dose series.
 - Minimum interval between dose 1 and dose 2 is 8 weeks.
- ***Unvaccinated children 15-59 months of age receiving their first dose of Hib vaccine.***
 - 1 single dose.
 - ✓ *Please Note: Healthy children who have received at least 1 dose of any Hib vaccine on or after 15 months of age do not need further doses to complete the Hib series.*
- Licensed for use in children 2 months-5 years of age.
 - ✓ *Exception: ACIP allows use for children starting at 6 weeks of age.*

POLIO VACCINE

IPV: Inactive Poliovirus Vaccine

Ipol®

OPV discontinued use in 2000 in the US

Trivalent OPV discontinued use in April 2016 Worldwide

- 4 dose series of any combination of IPV or OPV.
 - ✓ *Exception: Starting April 2016 OPV doses given worldwide transitioned from a trivalent vaccine to either a monovalent or bivalent vaccine. Doses of OPV given worldwide after April 1, 2016 are not valid in the United States. Only trivalent OPV vaccine is valid in the United States.*
 - ✓ *Exception: Dose 4 not is not required if all of the following have been met:*
 - *Any combination of IPV or OPV if OPV given before April 1, 2016*
 - *Dose 1 was given on or after 6 weeks of age*
 - *There has been at least 4 weeks between dose 1 and dose 2.*
 - *There has been at least 6 months between dose 2 and dose 3.*
 - *Dose 3 was given on or after 4 years of age*
- Recommended at 2, 4, and 6-18 months and 4-6 years of age.
- Required for childcare at 2, 4, 6 months and 4 years of age.
- Minimum age 6 weeks.
- Minimum interval between dose 1 and dose 2 is 4 weeks.
- Minimum interval between dose 2 and dose 3 is 4 weeks.
- Minimum interval between dose 3 and dose 4 is 6 months.
- Minimum age for the last dose is on or after 4 years of age regardless of the number of previous doses.
- Maximum age none.
- Licensed for use in persons 6 weeks of age-adult.

STREPTOCOCCUS PNEUMONIAE VACCINE

PCV13: Pneumococcal Conjugate Vaccine

Prevnar 13® (PCV13) Licensed in 2010

Prevnar7® (PCV7) Licensed in 2000 and discontinued use in 2011

- 4 dose series.
 - ✓ *Exception: Unvaccinated children receiving their first dose of Prevnar 13 (PCV13) at 7 months of age and older require fewer doses. The number of doses needed to complete the series depends upon the child's current age. ([See Pneumococcal Catch-up Guide for Children 4 Months-4 Years](#)).*
 - ✓ *Exception: Children who have received 1 dose before 7 months of age and 1 dose between 7-11 months only need 1 dose to complete the series at least 8 weeks after the most recent dose and at least 12 months of age.*
- Recommended at 2, 4, 6 and 12-15 months of age.
- Required for childcare at 2, 4, 6 and 12 months of age.
- Not required for childcare or school for children 5 years of age and older.
- Minimum age 6 weeks.
- Minimum interval between dose 1 and dose 2 is 4 weeks.
- Minimum interval between dose 2 and dose 3 is 4 weeks.
- Minimum interval between dose 3 and dose 4 is 8 weeks.
- Minimum age for the last dose is 12 months of age.
- Maximum age for routine vaccination is 4 years.
- ***Unvaccinated children 7-11 months of age receiving their first dose of Prevnar 13 (PCV13) vaccine.***
 - 3 dose series.
 - Minimum interval between dose 1 and dose 2 is 4 weeks.
 - Minimum interval between dose 2 and dose 3 is 8 weeks.
 - Minimum age for the last dose is 12 months.
- ***Unvaccinated children 12-23 months of age receiving their first dose of Prevnar 13 (PCV13) vaccine.***
 - 2 dose series.
 - Minimum interval between dose 1 and dose 2 is 8 weeks.
- ***Unvaccinated children 2-4 years of age receiving their first dose of Prevnar 13 (PCV13) vaccine.***
 - 1 single dose.
 - ✓ *Please Note: Healthy children who have received at least 1 dose of Prevnar 13 (PCV13) vaccine on or after 2 years of age do not need any further doses to complete the Prevnar 13 series.*
- Licensed for use in persons 6 weeks of age-adult.

HEPATITIS A VACCINE

HAV: Hepatitis A Vaccine

Havrix® Licensed in 1995

VAQTA® Licensed in 1996

- 2 dose series.
- Recommended at 12-23 months of age and 6-12 months after dose 1.
- Required for childcare at 12 and 18 months of age.
- Minimum age 12 months.
- Minimum interval between dose 1 and dose 2 is 6 calendar months.
- Maximum age none.
- Licensed for use in persons 12 months of age-adult.

MEASLES, MUMPS, RUBELLA VACCINE

MMR: Measles, Mumps, Rubella Vaccine

M-M-R® II

- 2 dose series.
- Recommended at 12-15 months and at 4-6 years of age.
- Required for childcare at 12 months and 4 years of age.
 - ✓ *Exception: Dose 2 is valid and does not need to be repeated if given before 4 years of age if there has been at least 4 weeks between dose 1 and dose 2. However, this minimum age should only be used when evaluating immunization records retrospectively or travel to countries where measles is epidemic or a local measles outbreak.*
- Minimum interval between dose 1 and dose 2 is 4 weeks.
- Minimum age for dose 2 is 13 months.
 - ✓ *Exception: This minimum age should only be used when evaluating immunization records retrospectively or travel to countries where measles is epidemic or a local measles outbreak.*
- Maximum age none.
- Licensed for use in persons 12 months of age-adult.

COMBINATION MEASLES, MUMPS, RUBELLA, VARICELLA VACCINE

MMRV: Measles, Mumps, Rubella, Varicella Vaccine

ProQuad® Licensed in 2005

- 2 dose series.
- Recommended for use at 12-15 months and 4-6 years of age.
 - ✓ *Exception: Dose 2 is valid and does not need to be repeated if given before 4 years of age if there has been at least 4 weeks between dose 1 and dose 2. However, this minimum age and interval should only be used when evaluating immunization records retrospectively.*
- Minimum age 12 months.
- Minimum interval between doses 1 and dose 2 is 3 months.
 - ✓ *Exception: Dose 2 is valid and does not need to be repeated if there has been at least 4 weeks between dose 1 and dose 2. This minimum interval should only be used when evaluating immunization records retrospectively.*
- Minimum age for dose 2 is 15 months of age.
 - ✓ *Exception: Dose 2 is valid if given as early as 13 months of age if there has been at least 4 weeks between dose 1 and dose 2. This minimum age and interval should only be used when evaluating immunization records retrospectively.*
- Maximum age 12 years.
 - ✓ *Exception: If ProQuad (MMRV) was given inadvertently to a person 13 years of age and older the dose is valid if the minimum intervals have been met.*
- Licensed for use in children 12 months-12 years of age.

VARICELLA (CHICKENPOX) VACCINE

VAR: Varicella (Chickenpox) Vaccine

Varivax® Licensed in 1995

- 2 dose series.
- Recommended at 12-15 months and 4-6 years of age.
 - ✓ *Exception: Dose 2 is valid and does not need to be repeated if given before 4 years of age if there has been at least 4 weeks between dose 1 and dose 2. This minimum age and interval should only be used when evaluating immunization records retrospectively.*
- Required for childcare at 12 months and 4 years of age.
- Minimum age 12 months.
- Minimum interval between dose 1 and dose 2 is 3 months for children 12 months-12 years of age.
 - ✓ *Exception: Dose 2 is valid if there has been at least 4 weeks between dose 1 and dose 2. This minimum interval should only be used when evaluating immunization records retrospectively.*
- Minimum interval between dose 1 and dose 2 is 4 weeks for persons 13 years of age and older.
- Minimum age for dose 2 is 15 months.
 - ✓ *Exception: Dose 2 is valid if given as early as 13 months of age if there has been at least 4 weeks between dose 1 and dose 2. This minimum age and interval should only be used when evaluating immunization records retrospectively.*
- Maximum age none.
- Licensed for use in persons 12 months of age-adult.

ROTAVIRUS VACCINES

RV1: Rotavirus Vaccine

Rotarix® Licensed in 2008

- 2 dose series.
 - ✓ Exception: *When using a combination of rotavirus vaccines, Rotarix (RV1) and RotaTeq (RV4) 3 doses are required.*
- Recommended at 2 and 4 months of age.
- Not required for childcare.
- Minimum age 6 weeks.
- Maximum age for dose 1 is 14 weeks and 6 days
 - ✓ Exception: *FDA (see prescribing information) allows use for dose 1 to be given through 20 weeks, 0 days of age but this **is not recommended by the ACIP.***
- Recommended interval between doses is 8 weeks.
- Minimum interval between doses is 4 weeks.
- Maximum age 24 weeks.
 - ✓ Exception: *ACIP allows use through 8 months and 0 days of age. The series **cannot** be completed after this age.*
- Licensed for use in children 6-24 weeks of age.
 - ✓ Exception: *ACIP allows use up to 8 months, 0 days of age. The series **cannot** be completed after this age.*

RV5: Rotavirus Vaccine

RotaTeg® Licensed in 2006

- 3 dose series.
- Recommended at 2, 4, and 6 months of age.
- Not required for childcare.
- Minimum 6 weeks.
- Maximum age for dose 1 is 12 weeks.
 - ✓ Exception: ACIP allows use for dose 1 to be given through 14 weeks and 6 days of age.
 - ✓ Please Note: The vaccine series cannot be started after 14 weeks and 6 days of age.
- Recommended interval between doses is 8 weeks.
- Minimum interval between doses is 4 weeks.
- Maximum age 32 weeks.
 - ✓ Exception: ACIP allows use through 8 months, 0 days of age.
 - ✓ Please Note: The vaccine series **cannot** be completed after age 8 months and 0 days.
- Licensed for use in children 6-32 weeks of age.
 - ✓ Exception: ACIP allows use through age 8 months and 0 days. The series **cannot** be completed after this age.
 - ✓ Please Note: ACIP has used a blended Rotavirus schedule to simplify the maximum age for starting and ending the rotavirus vaccination series.

INFLUENZA VACCINES

INFLUENZA VACCINES

- 1 single dose.
 - ✓ Exception: Children less than 9 years of age require 2 doses separated by at least 4 weeks if it is their first season of flu vaccination.
 - ✓ Exception: Children less than 9 years of age require 2 doses separated by at least 4 weeks if they have not had 2 or more doses of either trivalent or quadrivalent vaccine by July 1, of the current flu season.
- Recommended for all persons 6 months of age and older.
- Not required for childcare.
- Multiple flu vaccine manufacturers with multiple presentations, indications, and age ranges. See Influenza VaccineTable for current flu season.

**** Helpful Hints ****

- ✓ The Advisory Committee on Immunizations Practices (ACIP) comprises medical and public health experts who develop recommendations and the schedule on the use of vaccines in the United States. These recommendations provide the standard of care on how immunizations are administered in the United States and take precedence over the FDA licensing of vaccines.
- ✓ Starting January 30, 2018 children being admitted to childcare or accommodation facilities in Nevada need to receive all required vaccines at the youngest recommended age per the recommendation of the ACIP unless excused because of a religious belief or medical condition. [ACIP's Immunization Schedule for Children and Adolescents 0-18 years of age.](#)
- ✓ Starting in January 30, 2018 any child who is behind on Nevada's required immunizations must be brought up-to-date utilizing the ACIP Catch-up-Schedule to continue to attend the childcare/accommodation facility. [ACIP's Catch-up Immunization Schedule for Children and Adolescent 0-18 years of age.](#)
- ✓ Starting July 1, 2018 children being admitted to childcare/accommodation facilities must have age appropriate vaccination or other proof of immunity to Varicella (chickenpox). Immunity constitutes:
 - Documentation of 2 doses of chickenpox vaccine (Varicella).
 - A healthcare provider's diagnosis of Varicella or verification of history of Varicella.
 - History of Herpes Zoster (Shingles), based on a healthcare provider's diagnosis.
 - Laboratory evidence of immunity or laboratory confirmation of disease.
- ✓ Children can be enrolled into childcare/accommodation facilities on condition if they are in series of receiving immunizations and the minimum age and/or the minimum interval between vaccines doses has not been met.
- ✓ Children currently enrolled in childcare/accommodation facilities who are due for immunizations have a 30 day grace period to receive the next required dose(s) in the immunization series before they have to be excluded.
- ✓ A "minimum interval" is shorter than the recommended interval, and is the shortest time between two doses of a vaccine series in which an

adequate response to the second dose can be expected. The concern is that a dose given too soon after the previous dose may reduce the immune response.

- ✓ Vaccine doses given up to 4 days before the minimum interval or age may be counted as valid with the *exception of*:
 - Live virus vaccines such as Live Attenuated Influenza Vaccine (LAIV), Measles, Mumps, Rubella (MMR), and Varicella (VAR).
The 4-day "grace period" is only used for evaluating immunization records retrospectively. It should not be used when scheduling future immunization visits.
- ✓ Vaccine doses given 5 or more days before the minimum interval or age are not valid and need to be repeated. The dose needs to be repeated according to the recommended age and recommended minimum interval from the invalid dose.
- ✓ No upper limit has been established regarding the number of vaccines (IM or SC injections) that can be given in one visit.
- ✓ Live vaccines such as MMR, VAR, and LAIV or MMRV and LAIV may be given on the same day.
- ✓ Live vaccines such as MMR, VAR and LAIV or MMRV and LAIV not given on the same day need to be separated by a minimum of 4 weeks.
- ✓ Inactivated vaccines may be given on the same day with the exception of Prevnar 13 (PCV13) and Menactra (MenACWY).
- ✓ It is not necessary to start over a routine vaccination series if more than the recommended interval between doses of vaccine has occurred.
- ✓ The minimum age for the first dose of all recommended immunizations before 1 year of age is 6 weeks of age with the exception of Hepatitis B which is recommended at birth.
- ✓ ACIP does not recommend more than 6 documented doses of DTaP vaccine before 7 years of age due to the increased chance of localized reactions.
- ✓ To assist in evaluating immunization records use the [WolframAlpha](#) computational knowledge engine to calculate a person's age when they received an immunization or an interval between doses