



**Department
of Health**

**Office of Children
and Family Services**

**State Education
Department**

June 14, 2019

Statement on Legislation Removing Non-Medical Exemption from School Vaccination Requirements

On June 13, 2019, Governor Andrew M. Cuomo signed legislation removing non-medical exemptions from school vaccination requirements for children. The United States is currently experiencing the worst outbreak of measles in more than 25 years, with outbreaks in pockets of New York primarily driving the crisis. As a result of non-medical vaccination exemptions, many communities across New York have unacceptably low rates of vaccination, and those unvaccinated children can often attend school where they may spread the disease to other unvaccinated students, some of whom cannot receive vaccines due to medical conditions. This new law will help protect the public amid this ongoing outbreak.

What did the new law do?

As of June 13, 2019, there is no longer a religious exemption to the requirement that children be vaccinated against measles and other diseases to attend either:

- public, private or parochial school (for students in pre-kindergarten through 12th grade), or
- child day care settings.

For those children who had a religious exemption to vaccination, what are the deadlines for being vaccinated?

Children who are attending child day care or public, private or parochial school, and who had a religious exemption to required immunizations, must now receive the first age appropriate dose in each immunization series by June 28, 2019 to attend or remain in school or child day care. Also, by July 14, 2019 parents and guardians of such children must show that they have made appointments for all required follow-up doses. The deadlines for follow-up doses depend on the vaccine. The New York State Department of Health follows the Centers for Disease Control and Prevention's Advisory Committee on Immunization Practices catch-up immunization schedule and expects children to receive required doses consistent with Table 2 at the following link in order to continue to attend school or child day care: <https://www.cdc.gov/vaccines/schedules/downloads/child/0-18yrs-child-combined-schedule.pdf>

What is the deadline for first dose vaccinations if my child is not attending school until September?

Parents and guardians of all children who do not have their required immunizations are encouraged to have them receive the first dose as soon as possible. The deadline for obtaining first dose vaccinations for children attending school in the fall is 14 days from the first day of school. Within 30 days of the first day of school, parents and guardians of such children must show that they have made appointments for all required follow-up doses.

Additional information will be forthcoming.



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Frequently Asked Questions About Legislation Removing Non-Medical Exemptions from School Vaccination Requirements

Overview:

On June 13, 2019, Governor Andrew M. Cuomo signed legislation removing non-medical exemptions from school vaccination requirements for children. The United States is currently experiencing the worst outbreak of measles in more than 25 years, with outbreaks in pockets of New York primarily driving the crisis. As a result of non-medical vaccination exemptions, many communities across New York have unacceptably low rates of vaccination, and those unvaccinated children can often attend school where they may spread the disease to other unvaccinated students, some of whom cannot receive vaccines due to medical conditions. This new law will help protect the public amid this ongoing outbreak.

1. What did the new law do?

As of June 13, 2019, there is no longer a religious exemption to the requirement that children be vaccinated against measles and other diseases to attend either:

- public, private or parochial school (for students in pre-kindergarten through 12th grade),
or
- child day care settings.

2. When did the law become effective?

The law became effective on June 13, 2019.

3. How will schools and child day care settings be notified?

A joint notification by the NYS Department of Health, State Education Department, and Office of Children and Family Services was distributed to schools and child day care settings beginning on June 15, 2019.

4. For those children who had a religious exemption to vaccination, what are the deadlines for being vaccinated?

Children who are attending child day care or public, private or parochial school and who had a religious exemption to required immunizations, must now receive the first age appropriate dose in each immunization series by **June 28, 2019** to attend or remain in school or child day care. Also, by **July 14, 2019** parents and guardians of such children must show that they have scheduled appointments for all required follow-up doses. The deadlines for follow-up doses depend on the vaccine. The Department follows the Centers for Disease Control and Prevention's Advisory Committee on Immunization Practices (ACIP) catch-up immunization schedule for all

immunizations that are required to attend school in New York State, and expects children to receive required doses consistent with Table 2 of ACIP's Recommended Child and Adolescent Immunization Schedule for ages 18 years or younger. (Please note that the guidelines contain all ACIP recommended vaccines, including some that are not currently required for schools and child day care programs in New York State.)

5. Where can I find the Centers for Disease Control and Prevention's Advisory Committee on Immunization Practices (ACIP) catch-up immunization schedule?

The ACIP catch-up immunization schedule is available at the following link:

<https://www.cdc.gov/vaccines/schedules/downloads/child/0-18yrs-child-combined-schedule.pdf>

(Please note that the guidelines contain all ACIP recommended vaccines, including some that are not currently required for schools and child day care programs in NYS.)

6. Are the vaccination requirements, as described in Question 5, required for my child to attend summer schools that are overseen by NYSED and summer child day care programs that are overseen by OCFS?

Yes. This requirement applies to summer school and summer child day care programs.

7. What is the deadline for first dose vaccinations if my child is not attending school until September?

The Department encourages parents and guardians of all children who do not have their required immunizations to receive the first dose in each immunization series as soon as possible. The deadline for obtaining first dose vaccinations in each immunization series for children attending school in the fall is 14 days from the first day of school or enrollment in child day care. Within 30 days of the first day of school, parents and guardians of such children must show that they have scheduled appointments for all required follow-up doses.

8. Does this new legislation apply to my child attending college?

The new legislation did not change the vaccination requirements for college attendance. Students attending college in NYS can still obtain a religious exemption. The Department requires that every student attending college be vaccinated against measles, mumps and rubella (MMR), unless the student has a valid religious or medical exemption.

9. Does this new legislation affect my child's medical exemption?

No. The new legislation does not affect valid medical exemptions.

10. What is a valid medical exemption?

A valid medical exemption must:

1. Be on a sample medical exemption form issued by the Department <https://www.health.ny.gov/forms/doh-5077.pdf> or the NYC Department of Health and Mental Hygiene, or on a signed statement that certifies that the immunization may be detrimental to a child's health;
2. Be signed by a physician licensed to practice medicine in New York State;
3. Contain sufficient information to identify the medical contraindication to a specific immunization. The Department recommends that health care practitioners consult the ACIP guidelines for contraindications and precautions to childhood vaccinations, available at: <https://www.cdc.gov/vaccines/hcp/acip-recs/general-recs/contraindications.html>. (Please note that the guidelines contain all ACIP recommended vaccines, including some that are not currently required for schools and child day care programs in New York State); and
4. Be confirmed annually.

11. My child is not being allowed to attend school and/or child day care program based on vaccination status. How do I appeal this decision?

Education Law §310(6-a) allows an appeal to the Commissioner of the State Education Department from persons considering themselves aggrieved by an action taken by "a principal, teacher, owner or other person in charge of any school in denying a child admission to, or continued attendance at, such school for lack of proof of required immunizations in accordance with" Public Health Law §2164. Such appeal may include a request for a "stay" of the school's action while the appeal is pending before the Commissioner. Information regarding the appeal process is available at: <http://www.counsel.nysed.gov/appeals/>.

There is no appeal process for child day care programs. Programs must be in compliance with all applicable laws.

12. What are the penalties for a school and child day care program if it does not comply?

All public, private and parochial schools are required to comply with the law. The Department will determine the cause of a school's violation or noncompliance and, where appropriate, seek civil penalties from noncompliant schools. NYS OCFS regulates child day care programs and may sanction programs that do not comply with the law.

13. How does New York State verify vaccination rates at schools and child day care programs?

The NYSDOH annually conducts surveys of school and child day care immunization coverage and exemption rates. Schools and child day care settings are required to participate in the surveys. Additionally, the NYSDOH audits a sample of schools each year for compliance with PHL Section 2164 and to verify the rates reported in their survey. If any students out of compliance with PHL Section 2164 are discovered during the audit, then the NYSDOH will require the students be excluded from school until they comply with the law. The Department will determine the cause of a school's noncompliance and, where appropriate, seek civil penalties from noncompliant schools. In some counties, the Department has delegated the county health department with authority to assist in conducting audits of schools to verify compliance.

NYS OCFS reviews vaccination records for compliance.

14. Does the new law apply to students who receive special education services?

Yes, the new law applies to students who receive special education services. However, the new legislation does not affect valid medical exemptions, and the United States Department of Education ("USDE") has issued guidance to assist schools in ensuring that students with disabilities under the federal Individuals with Disabilities Education Act ("IDEA") who are medically unable to receive vaccines due to a disability are not discriminated against on the basis of disability. USDE's Office for Civil Rights' *Fact Sheet: Addressing the Risk of Measles in Schools while Protecting the Civil Rights of Students with Disabilities* is available at: <https://www2.ed.gov/about/offices/list/ocr/docs/ocr-factsheet-measles-201503.pdf>.

Questions may be directed to the State Education Department's Office of Special Education, Policy Unit, 518-473-2878, SPECED@nysed.gov or to the appropriate [Special Education Quality Assurance Regional Office](#), SEQA@nysed.gov.

15. My child receives educational services from a public, private or parochial school off school grounds. Do they need to be vaccinated?

If a student is enrolled in the school, regardless of where they receive educational services, they will need to comply with the vaccination requirements for schools.

Version: June 18, 2019 – Document will be reissued with additional questions in the future.

effort to get the necessary evidence or where the parent, guardian or any other person in parental relationship can demonstrate that a child has received the first age-appropriate dose in each immunization series within the 14 days and that they have age appropriate scheduled appointments for follow-up doses to complete the immunization series.

4. Does the new law apply to attendance at activities that are on school property but open to the general public? Examples may include: SAT prep, sporting events, and plays.

No. The new legislation does not apply to attendance at activities on school property that are open to the general public.

5. My child's school operates year-round, excluding ESY and summer school. When did the new law start applying to year-round schools?

The change in the law took effect on June 13, 2019 and allowed 14 days for children to get their first dose of each required vaccine in order to be admitted to or continue attending school. Therefore, children at year-round schools were required to be vaccinated with the first doses by June 28, 2019. These children must be excluded from school immediately if they do not meet this requirement.

6. Does this new law apply to students aged 18 and older?

No. The mandatory vaccination law only applies to a child, which Public Health Law §2164(1)(b) defines as a person between the ages of two months and 18 years.

Once a student reaches the age 18, he/she is no longer required to show proof of immunization.

7. My child's school operates a year-round day care center. When did the new law start applying to these year-round day care centers in schools?

The change in the law took effect on June 13, 2019 and allowed 14 days for children to get their first dose of each required vaccine. Therefore, children at year-round day care centers are required to be vaccinated with the first doses by June 28, 2019. These children must be excluded from day care centers in school immediately if they do not meet these requirements.

8. My child had a religious exemption before the new law was enacted. Is my religious exemption still valid?

No. Religious exemptions are no longer valid in New York State.

9. Does the new requirement apply to charter schools?

Yes.

10. Do I need to schedule all of my child's appointments for all required doses, including all follow-up doses, within 30 days of the first day of attendance?

Parents and guardians must demonstrate, within 30 days of the first day of attendance, that their child has age-appropriate appointments scheduled for the next follow-up doses to complete the immunization series in accordance with the ACIP schedule. However, the actual appointments for the follow-up doses may be more than 30 days out, so long as they are in accordance with the ACIP schedule available online at <https://www.cdc.gov/vaccines/schedules/hcp/imz/child-adolescent.html>.

11. When are follow-up doses required for children who received their first doses prior to the change in law and are overdue for their next doses?

Such students must still receive their next doses as soon as they are due, in accordance with the ACIP schedule. Children must receive all first doses, or overdue follow-up doses if they already received prior doses in a series, within 14 days of school or child day care attendance, and must provide evidence of age appropriate appointments for the next follow-up doses, in accordance with the ACIP schedule, within 30 days of the first day of attendance. All required vaccine schedules must be completed in accordance with the ACIP schedule. Here is a link for the routine immunization and catch up schedules:

<https://www.cdc.gov/vaccines/schedules/hcp/imz/child-adolescent.html>

12. Is the rotavirus vaccine required to attend school?

No.

13. My child never received the pneumococcal vaccine or Haemophilus Influenzae type B (Hib) vaccine as a baby. Now my child is entering kindergarten. According to the ACIP schedule, healthy children age 5 and older don't need these vaccines. Does my child still need these vaccines to attend school?

No. Pneumococcal and Haemophilus Influenzae type B (Hib) vaccines are only required for day cares and pre-kindergarten programs. Children in kindergarten through grade 12 do not need to receive a pneumococcal or Hib vaccine.

14. Who may issue a medical exemption?

Pursuant to Section 2164 of the Public Health Law, only physicians licensed to practice medicine in NYS may issue a medical exemption.

15. Is serological evidence of immunity acceptable proof of immunization for school enrollment?

A positive serologic test can be accepted as proof of immunity for school enrollment only for the following diseases: measles, mumps, rubella, varicella (chickenpox), hepatitis B and all three serotypes of poliomyelitis found in the polio vaccines.

16. If I'm a Group Family Child Care Provider, with my own children in my home, in addition to day care children, what are my options regarding my own children who remain in the home during day care hours and are not vaccinated? Can they remain in another part of the house during day care hours?

In home-based child care programs (family day care and group family day care), a provider's own non-school aged children count in the program's capacity and are considered to be enrolled in the program. The provider must comply with Public Health Law and New York State Child Care Regulations regarding immunizations, and must keep documentation of immunizations all enrolled children have received, including the provider's own children.

17. Are "homeoprophylaxis vaccines" acceptable alternatives for required vaccinations?

No. Only licensed vaccines recommended by the ACIP are acceptable.

18. Are out-of-country immunization records acceptable?

Yes, as long as they are official records and can be read and understood by the school or have been reviewed and signed by a physician licensed to practice medicine in NYS.

19. Are children allowed to follow a delayed vaccination schedule for required vaccines?

No. The ACIP schedule must be used. Delayed vaccination schedules are not permitted.

20. What does the June 30, 2020 date mean in the law?

Until June 30, 2020, a child can attend school if they receive the first age-appropriate dose in each immunization series within 14 days from the first day of school attendance and can show within 30 days that they have scheduled age-appropriate appointments for required follow-up doses. This allows students who were not fully up-to-date on their vaccinations on June 13, 2019, when the law was enacted, to continue to attend school, as long as they receive the first age-appropriate dose in each immunization series within 14 days from the first day of school attendance and can show within 30 days that they have scheduled age-appropriate appointments for required follow-up doses. By June 30, 2020, all students who were attending school at the time the law was enacted are expected to be fully up-to-date on their required immunizations and therefore the 30-day extension allowing such children to be enrolled as long as they have scheduled appointments to complete their immunization series according to the ACIP schedule will expire.

21. Can all required vaccines be given at the same time? Can the schedule be spread out?

Scientific data show that getting several vaccines at the same time does not cause any health problems. If combination vaccines are used, the number of injections can be reduced. The highest number of vaccines that a child might need to attend school or daycare is seven. However, the number varies by age, and older children need fewer doses to catch up. It is important to note that infants routinely get multiple vaccines at once, according to the ACIP schedule. The ACIP schedule is approved by the American Academy of Pediatrics, the American Academy of Family Practice, and is the standard of practice for vaccination in the United States. Vaccines can be

spread out to start, so long as a child receives the first age-appropriate dose in each immunization series within 14 days of the first day of attendance.

22. If a school doesn't receive State Aid, can it offer religious exemptions to the vaccination requirement?

No. All schools must comply with the immunization requirements, regardless of whether they receive State Aid. Public Health Law §2164(1)(a) defines "school" to include any public, private or parochial child caring center, day nursery, day care agency, nursery school, kindergarten, elementary, intermediate or secondary school.

Recommended Child and Adolescent Immunization Schedule for ages 18 years or younger

UNITED STATES
2019

Vaccines in the Child and Adolescent Immunization Schedule*

Vaccines	Abbreviations	Trade names
Diphtheria, tetanus, and acellular pertussis vaccine	DTaP	Daptacel Infanrix
Diphtheria, tetanus vaccine	DT	No Trade Name
<i>Haemophilus influenzae</i> type b vaccine	Hib (PRP-T) Hib (PRP-OMP)	ActHIB Hiberix PedvaxHIB
Hepatitis A vaccine	HepA	Havrix Vaqta
Hepatitis B vaccine	HepB	Engerix-B Recombivax HB
Human papillomavirus vaccine	HPV	Gardasil 9
Influenza vaccine (inactivated)	IIV	Multiple
Influenza vaccine (live, attenuated)	LAIV	FluMist
Measles, mumps, and rubella vaccine	MMR	M-M-R II
Meningococcal serogroups A, C, W, Y vaccine	MenACWY-D MenACWY-CRM	Menactra Menveo
Meningococcal serogroup B vaccine	MenB-4C MenB-FHbp	Bexsero Trumenba
Pneumococcal 13-valent conjugate vaccine	PCV13	Prevnar 13
Pneumococcal 23-valent polysaccharide vaccine	PPSV23	Pneumovax
Poliovirus vaccine (inactivated)	IPV	IPOL
Rotavirus vaccine	RV1 RV5	Rotarix RotaTeq
Tetanus, diphtheria, and acellular pertussis vaccine	Tdap	Adacel Boostrix
Tetanus and diphtheria vaccine	Td	Tenivac Td vaccine
Varicella vaccine	VAR	Varivax
Combination Vaccines (Use combination vaccines instead of separate injections when appropriate)		
DTaP, hepatitis B, and inactivated poliovirus vaccine	DTaP-HepB-IPV	Pediarix
DTaP, inactivated poliovirus, and <i>Haemophilus influenzae</i> type b vaccine	DTaP-IPV/Hib	Pentacel
DTaP and inactivated poliovirus vaccine	DTaP-IPV	Kinrix Quadracel
Measles, mumps, rubella, and varicella vaccines	MMRV	ProQuad

*Administer recommended vaccines if immunization history is incomplete or unknown. Do not restart or add doses to vaccine series for extended intervals between doses. When a vaccine is not administered at the recommended age, administer at a subsequent visit. The use of trade names is for identification purposes only and does not imply endorsement by the ACIP or CDC.

How to use the child/adolescent immunization schedule

- 1** Determine recommended vaccine by age (**Table 1**)
- 2** Determine recommended interval for catch-up vaccination (**Table 2**)
- 3** Assess need for additional recommended vaccines by medical condition and other indications (**Table 3**)
- 4** Review vaccine types, frequencies, intervals, and considerations for special situations (**Notes**)

Recommended by the Advisory Committee on Immunization Practices (www.cdc.gov/vaccines/acip) and approved by the Centers for Disease Control and Prevention (www.cdc.gov), American Academy of Pediatrics (www.aap.org), American Academy of Family Physicians (www.aafp.org), and American College of Obstetricians and Gynecologists (www.acog.org).

Report

- Suspected cases of reportable vaccine-preventable diseases or outbreaks to your state or local health department
- Clinically significant adverse events to the Vaccine Adverse Event Reporting System (VAERS) at www.vaers.hhs.gov or (800-822-7967)



Download the CDC Vaccine Schedules App for providers at www.cdc.gov/vaccines/schedules/hcp/schedule-app.html.

Helpful information

- Complete ACIP recommendations: www.cdc.gov/vaccines/hcp/acip-recs/index.html
- General Best Practice Guidelines for Immunization: www.cdc.gov/vaccines/hcp/acip-recs/general-recs/index.html
- Outbreak information (including case identification and outbreak response), see Manual for the Surveillance of Vaccine-Preventable Diseases: www.cdc.gov/vaccines/pubs/surv-manual



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

Table 1

Recommended Child and Adolescent Immunization Schedule for ages 18 years or younger United States, 2019

These recommendations must be read with the Notes that follow. For those who fall behind or start late, provide catch-up vaccination at the earliest opportunity as indicated by the green bars in Table 1. To determine minimum intervals between doses, see the catch-up schedule (Table 2). School entry and adolescent vaccine age groups are shaded in gray.

Vaccine	Birth	1 mo	2 mos	4 mos	6 mos	9 mos	12 mos	15 mos	18 mos	19-23 mos	2-3 yrs	4-6 yrs	7-10 yrs	11-12 yrs	13-15 yrs	16 yrs	17-18 yrs
Hepatitis B (HepB)	1 st dose	2 nd dose			← 3 rd dose →					[Green bar]							
Rotavirus (RV) RV1 (2-dose series); RV5 (3-dose series)			1 st dose	2 nd dose	See Notes												
Diphtheria, tetanus, & acellular pertussis (DTaP: <7 yrs)			1 st dose	2 nd dose	3 rd dose			← 4 th dose →				5 th dose					
Haemophilus influenzae type b (Hib)			1 st dose	2 nd dose	See Notes		← 3 rd or 4 th dose → See Notes						[Purple bar]				
Pneumococcal conjugate (PCV13)			1 st dose	2 nd dose	3 rd dose		← 4 th dose →						[Purple bar]				
Inactivated poliovirus (IPV: <18 yrs)			1 st dose	2 nd dose	← 3 rd dose →						4 th dose	[Green bar]					
Influenza (IIV)					Annual vaccination 1 or 2 doses								Annual vaccination 1 dose only				
Influenza (LAIV)											Annual vaccination 1 or 2 doses		Annual vaccination 1 dose only				
Measles, mumps, rubella (MMR)					See Notes	← 1 st dose →					2 nd dose	[Green bar]					
Varicella (VAR)						← 1 st dose →					2 nd dose	[Green bar]					
Hepatitis A (HepA)					See Notes	2-dose series, See Notes					[Purple bar]						
Meningococcal (MenACWY-D ≥9 mos; MenACWY-CRM ≥2 mos)			See Notes											1 st dose		2 nd dose	
Tetanus, diphtheria, & acellular pertussis (Tdap: ≥7 yrs)																	Tdap
Human papillomavirus (HPV)																	See Notes
Meningococcal B																	See Notes
Pneumococcal polysaccharide (PPSV23)											See Notes						

Range of recommended ages for all children
 Range of recommended ages for catch-up immunization
 Range of recommended ages for certain high-risk groups
 Range of recommended ages for non-high-risk groups that may receive vaccine, subject to individual clinical decision-making
 No recommendation

Table 2

Catch-up immunization schedule for persons aged 4 months–18 years who start late or who are more than 1 month behind, United States, 2019

The figure below provides catch-up schedules and minimum intervals between doses for children whose vaccinations have been delayed. A vaccine series does not need to be restarted, regardless of the time that has elapsed between doses. Use the section appropriate for the child's age. Always use this table in conjunction with Table 1 and the notes that follow.

Children age 4 months through 6 years					
Vaccine	Minimum Age for Dose 1	Minimum Interval Between Doses			
		Dose 1 to Dose 2	Dose 2 to Dose 3	Dose 3 to Dose 4	Dose 4 to Dose 5
Hepatitis B	Birth	4 weeks	8 weeks <i>and</i> at least 16 weeks after first dose. Minimum age for the final dose is 24 weeks.		
Rotavirus	6 weeks Maximum age for first dose is 14 weeks, 6 days	4 weeks	4 weeks Maximum age for final dose is 8 months, 0 days.		
Diphtheria, tetanus, and acellular pertussis	6 weeks	4 weeks	4 weeks	6 months	6 months
<i>Haemophilus influenzae</i> type b	6 weeks	No further doses needed if first dose was administered at age 15 months or older. 4 weeks if first dose was administered before the 1 st birthday. 8 weeks (as final dose) if first dose was administered at age 12 through 14 months.	No further doses needed if previous dose was administered at age 15 months or older. 4 weeks if current age is younger than 12 months <i>and</i> first dose was administered at younger than age 7 months, <i>and</i> at least 1 previous dose was PRP-T (ActHib, Pentacel, Hiberix) or unknown. 8 weeks and age 12 through 59 months (as final dose) if current age is younger than 12 months <i>and</i> first dose was administered at age 7 through 11 months; OR if current age is 12 through 59 months <i>and</i> first dose was administered before the 1 st birthday, <i>and</i> second dose administered at younger than 15 months; OR if both doses were PRP-OMP (PedvaxHIB; Comvax) <i>and</i> were administered before the 1 st birthday.	8 weeks (as final dose) This dose only necessary for children age 12 through 59 months who received 3 doses before the 1 st birthday.	
Pneumococcal conjugate	6 weeks	No further doses needed for healthy children if first dose was administered at age 24 months or older. 4 weeks if first dose administered before the 1 st birthday. 8 weeks (as final dose for healthy children) if first dose was administered at the 1 st birthday or after.	No further doses needed for healthy children if previous dose administered at age 24 months or older. 4 weeks if current age is younger than 12 months and previous dose given at <7 months old. 8 weeks (as final dose for healthy children) if previous dose given between 7-11 months (wait until at least 12 months old); OR if current age is 12 months or older and at least 1 dose was given before age 12 months.	8 weeks (as final dose) This dose only necessary for children age 12 through 59 months who received 3 doses before age 12 months or for children at high risk who received 3 doses at any age.	
Inactivated poliovirus	6 weeks	4 weeks	4 weeks if current age is < 4 years. 6 months (as final dose) if current age is 4 years or older.	6 months (minimum age 4 years for final dose).	
Measles, mumps, rubella	12 months	4 weeks			
Varicella	12 months	3 months			
Hepatitis A	12 months	6 months			
Meningococcal	2 months MenACWY-CRM 9 months MenACWY-D	8 weeks	See Notes	See Notes	
Children and adolescents age 7 through 18 years					
Meningococcal	Not Applicable (N/A)	8 weeks			
Tetanus, diphtheria; tetanus, diphtheria, and acellular pertussis	7 years	4 weeks	4 weeks if first dose of DTaP/DT was administered before the 1 st birthday. 6 months (as final dose) if first dose of DTaP/DT or Tdap/Td was administered at or after the 1 st birthday.	6 months if first dose of DTaP/DT was administered before the 1 st birthday.	
Human papillomavirus	9 years	Routine dosing intervals are recommended.			
Hepatitis A	N/A	6 months			
Hepatitis B	N/A	4 weeks	8 weeks <i>and</i> at least 16 weeks after first dose.		
Inactivated poliovirus	N/A	4 weeks	6 months A fourth dose is not necessary if the third dose was administered at age 4 years or older and at least 6 months after the previous dose.	A fourth dose of IPV is indicated if all previous doses were administered at <4 years or if the third dose was administered <6 months after the second dose.	
Measles, mumps, rubella	N/A	4 weeks			
Varicella	N/A	3 months if younger than age 13 years. 4 weeks if age 13 years or older.			

Table 3

**Recommended Child and Adolescent Immunization Schedule by Medical Indication
United States, 2019**

VACCINE	INDICATION									
	Pregnancy	Immunocompromised status (excluding HIV infection)	HIV infection CD4+ count ¹		Kidney failure, end-stage renal disease, on hemodialysis	Heart disease, chronic lung disease	CSF leaks/cochlear implants	Asplenia and persistent complement component deficiencies	Chronic liver disease	Diabetes
			<15% and total CD4 cell count of <200/mm ³	≥15% and total CD4 cell count of ≥200/mm ³						
Hepatitis B	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
Rotavirus	Yellow	Orange SCID ²	Orange	Orange	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
Diphtheria, tetanus, & acellular pertussis (DTaP)	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
<i>Haemophilus influenzae</i> type b	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
Pneumococcal conjugate	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
Inactivated poliovirus	Orange	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
Influenza (IIV) or Influenza (LAIV)	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
Influenza (LAIV)	Red	Red	Red	Red	Orange	Orange Asthma, wheezing: 2-4yrs ³	Red	Red	Orange	Orange
Measles, mumps, rubella	Red	Red	Red	Red	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
Varicella	Red	Red	Red	Red	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
Hepatitis A	Purple	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
Meningococcal ACWY	Purple	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
Tetanus, diphtheria, & acellular pertussis (Tdap)	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
Human papillomavirus	Pink	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
Meningococcal B	Orange	Purple	Purple	Purple	Purple	Purple	Purple	Purple	Purple	Purple
Pneumococcal polysaccharide	Purple	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow

Vaccination according to the routine schedule recommended
 Recommended for persons with an additional risk factor for which the vaccine would be indicated
 Vaccination is recommended, and additional doses may be necessary based on medical condition. See Notes.
 Contraindicated or use not recommended—vaccine should not be administered because of risk for serious adverse reaction
 Precaution—vaccine might be indicated if benefit of protection outweighs risk of adverse reaction
 Delay vaccination until after pregnancy if vaccine indicated
 No recommendation

1 For additional information regarding HIV laboratory parameters and use of live vaccines, see the General Best Practice Guidelines for Immunization "Altered Immunocompetence" at www.cdc.gov/vaccines/hcp/acip-recs/general-recs/immunocompetence.html, and Table 4-1 (footnote D) at: www.cdc.gov/vaccines/hcp/acip-recs/general-recs/contraindications.html.

2 Severe Combined Immunodeficiency

3 LAIV contraindicated for children 2–4 years of age with asthma or wheezing during the preceding 12 months.

For vaccine recommendations for persons 19 years of age and older, see the Recommended Adult Immunization Schedule.

Additional information

- Consult relevant ACIP statements for detailed recommendations at www.cdc.gov/vaccines/hcp/acip-recs/index.html.
- For information on contraindications and precautions for the use of a vaccine, consult the General Best Practice Guidelines for Immunization and relevant ACIP statements at www.cdc.gov/vaccines/hcp/acip-recs/index.html.
- For calculating intervals between doses, 4 weeks = 28 days. Intervals of ≥4 months are determined by calendar months.
- Within a number range (e.g., 12–18), a dash (–) should be read as “through.”
- Vaccine doses administered ≤4 days before the minimum age or interval are considered valid. Doses of any vaccine administered ≥5 days earlier than the minimum age or minimum interval should not be counted as valid and should be repeated as age-appropriate. The repeat dose should be spaced after the invalid dose by the recommended minimum interval. For further details, see Table 3-1, Recommended and minimum ages and intervals between vaccine doses, in General Best Practice Guidelines for Immunization at www.cdc.gov/vaccines/hcp/acip-recs/general-recs/timing.html.
- Information on travel vaccine requirements and recommendations is available at wwwnc.cdc.gov/travel/.
- For vaccination of persons with immunodeficiencies, see Table 8-1, Vaccination of persons with primary and secondary immunodeficiencies, in General Best Practice Guidelines for Immunization at www.cdc.gov/vaccines/hcp/acip-recs/general-recs/immunocompetence.html, and Immunization in Special Clinical Circumstances (In: Kimberlin DW, Brady MT, Jackson MA, Long SS, eds. *Red Book: 2018 Report of the Committee on Infectious Diseases*. 31st ed. Itasca, IL: American Academy of Pediatrics; 2018:67–111).
- For information regarding vaccination in the setting of a vaccine-preventable disease outbreak, contact your state or local health department.
- The National Vaccine Injury Compensation Program (VICP) is a no-fault alternative to the traditional legal system for resolving vaccine injury claims. All routine child and adolescent vaccines are covered by VICP except for pneumococcal polysaccharide vaccine (PPSV23). For more information, see www.hrsa.gov/vaccinecompensation/index.html.

Diphtheria, tetanus, and pertussis (DTaP) vaccination (minimum age: 6 weeks [4 years for Kinrix or Quadracel])

Routine vaccination

- 5-dose series at 2, 4, 6, 15–18 months, 4–6 years
 - **Prospectively:** Dose 4 may be given as early as age 12 months if at least 6 months have elapsed since dose 3.
 - **Retrospectively:** A 4th dose that was inadvertently given as early as 12 months may be counted if at least 4 months have elapsed since dose 3.

Catch-up vaccination

- Dose 5 is not necessary if dose 4 was administered at age 4 years or older.
- For other catch-up guidance, see Table 2.

Haemophilus influenzae type b vaccination (minimum age: 6 weeks)

Routine vaccination

- **ActHIB, Hiberix, or Pentacel:** 4-dose series at 2, 4, 6, 12–15 months
- **PedvaxHIB:** 3-dose series at 2, 4, 12–15 months

Catch-up vaccination

- **Dose 1 at 7–11 months:** Administer dose 2 at least 4 weeks later and dose 3 (final dose) at 12–15 months or 8 weeks after dose 2 (whichever is later).
- **Dose 1 at 12–14 months:** Administer dose 2 (final dose) at least 8 weeks after dose 1.
- **Dose 1 before 12 months and dose 2 before 15 months:** Administer dose 3 (final dose) 8 weeks after dose 2.
- **2 doses of PedvaxHIB before 12 months:** Administer dose 3 (final dose) at 12–59 months and at least 8 weeks after dose 2.
- **Unvaccinated at 15–59 months:** 1 dose
- For other catch-up guidance, see Table 2.

Special situations

• Chemotherapy or radiation treatment:

- 12–59 months
 - Unvaccinated or only 1 dose before age 12 months: 2 doses, 8 weeks apart
 - 2 or more doses before age 12 months: 1 dose at least 8 weeks after previous dose

Doses administered within 14 days of starting therapy or during therapy should be repeated at least 3 months after therapy completion.

• Hematopoietic stem cell transplant (HSCT):

- 3-dose series 4 weeks apart starting 6 to 12 months after successful transplant regardless of Hib vaccination history

• Anatomic or functional asplenia (including sickle cell disease):

12–59 months

- Unvaccinated or only 1 dose before 12 months: 2 doses, 8 weeks apart
- 2 or more doses before 12 months: 1 dose at least 8 weeks after previous dose

Unvaccinated* persons age 5 years or older

- 1 dose

• Elective splenectomy:

Unvaccinated* persons age 15 months or older

- 1 dose (preferably at least 14 days before procedure)

• HIV infection:

12–59 months

- Unvaccinated or only 1 dose before age 12 months: 2 doses, 8 weeks apart
- 2 or more doses before age 12 months: 1 dose at least 8 weeks after previous dose

Unvaccinated* persons age 5–18 years

- 1 dose

• Immunoglobulin deficiency, early component complement deficiency:

12–59 months

- Unvaccinated or only 1 dose before age 12 months: 2 doses, 8 weeks apart
- 2 or more doses before age 12 months: 1 dose at least 8 weeks after previous dose

*Unvaccinated = Less than routine series (through 14 months) OR no doses (14 months or older)

Notes

Recommended Child and Adolescent Immunization Schedule for ages 18 years or younger, United States, 2019

Hepatitis A vaccination

(minimum age: 12 months for routine vaccination)

Routine vaccination

- 2-dose series (**Havrix** 6–12 months apart or **Vaqta** 6–18 months apart, minimum interval 6 months); a series begun before the 2nd birthday should be completed even if the child turns 2 before the second dose is administered.

Catch-up vaccination

- Anyone 2 years of age or older may receive HepA vaccine if desired. Minimum interval between doses: 6 months
- Adolescents 18 years and older may receive the combined HepA and HepB vaccine, **Twinrix**, as a 3-dose series (0, 1, and 6 months) or 4-dose series (0, 7, and 21–30 days, followed by a dose at 12 months).

International travel

- Persons traveling to or working in countries with high or intermediate endemic hepatitis A (wwwnc.cdc.gov/travel/):
 - **Infants age 6–11 months:** 1 dose before departure; revaccinate with 2 doses, separated by 6–18 months, between 12 to 23 months of age.
 - **Unvaccinated age 12 months and older:** 1st dose as soon as travel considered

Special situations

At risk for hepatitis A infection: 2-dose series as above

- **Chronic liver disease**
- **Clotting factor disorders**
- **Men who have sex with men**
- **Injection or non-injection drug use**
- **Homelessness**
- **Work with hepatitis A virus** in research laboratory or nonhuman primates with hepatitis A infection
- **Travel** in countries with high or intermediate endemic hepatitis A
- **Close, personal contact with international adoptee** (e.g., household or regular babysitting) in first 60 days after arrival from country with high or intermediate endemic hepatitis A (administer dose 1 as soon as adoption is planned, at least 2 weeks before adoptee's arrival)

Hepatitis B vaccination

(minimum age: birth)

Birth dose (monovalent HepB vaccine only)

- **Mother is HBsAg-negative:** 1 dose within 24 hours of birth for **all** medically stable infants $\geq 2,000$ grams. Infants $< 2,000$ grams: administer 1 dose at chronological age 1 month or hospital discharge.

• Mother is HBsAg-positive:

- Administer **HepB vaccine** and **0.5 mL of hepatitis B immune globulin (HBIG)** (at separate anatomic sites) within 12 hours of birth, regardless of birth weight. For infants $< 2,000$ grams, administer 3 additional doses of vaccine (total of 4 doses) beginning at age 1 month.
 - Test for HBsAg and anti-HBs at age 9–12 months. If HepB series is delayed, test 1–2 months after final dose.
- ##### • Mother's HBsAg status is unknown:
- Administer **HepB vaccine** within 12 hours of birth, regardless of birth weight.
 - For infants $< 2,000$ grams, administer **0.5 mL of HBIG** in addition to HepB vaccine within 12 hours of birth. Administer 3 additional doses of vaccine (total of 4 doses) beginning at age 1 month.
 - Determine mother's HBsAg status as soon as possible. If mother is HBsAg-positive, administer **0.5 mL of HBIG** to infants $\geq 2,000$ grams as soon as possible, but no later than 7 days of age.

Routine series

- 3-dose series at 0, 1–2, 6–18 months (use monovalent HepB vaccine for doses administered before age 6 weeks)
- Infants who did not receive a birth dose should begin the series as soon as feasible (see Table 2).
- Administration of **4 doses** is permitted when a combination vaccine containing HepB is used after the birth dose.
- **Minimum age** for the final (3rd or 4th) dose: 24 weeks
- **Minimum intervals:** dose 1 to dose 2: 4 weeks / dose 2 to dose 3: 8 weeks / dose 1 to dose 3: 16 weeks (when 4 doses are administered, substitute "dose 4" for "dose 3" in these calculations)

Catch-up vaccination

- Unvaccinated persons should complete a 3-dose series at 0, 1–2, 6 months.
- Adolescents age 11–15 years may use an alternative 2-dose schedule with at least 4 months between doses (adult formulation **Recombivax HB** only).
- Adolescents 18 years and older may receive a 2-dose series of HepB (**Heplisav-B**) at least 4 weeks apart.
- Adolescents 18 years and older may receive the combined HepA and HepB vaccine, **Twinrix**, as a 3-dose series (0, 1, and 6 months) or 4-dose series (0, 7, and 21–30 days, followed by a dose at 12 months).
- For other catch-up guidance, see Table 2.

Human papillomavirus vaccination

(minimum age: 9 years)

Routine and catch-up vaccination

- HPV vaccination routinely recommended for all adolescents **age 11–12 years (can start at age 9 years)** and through age 18 years if not previously adequately vaccinated
- 2- or 3-dose series depending on age at initial vaccination:
 - **Age 9 through 14 years at initial vaccination:** 2-dose series at 0, 6–12 months (minimum interval: 5 months; repeat dose if administered too soon)
 - **Age 15 years or older at initial vaccination:** 3-dose series at 0, 1–2 months, 6 months (minimum intervals: dose 1 to dose 2: 4 weeks / dose 2 to dose 3: 12 weeks / dose 1 to dose 3: 5 months; repeat dose if administered too soon)
- If completed valid vaccination series with any HPV vaccine, no additional doses needed

Special situations

- **Immunocompromising conditions, including HIV infection:** 3-dose series as above
- **History of sexual abuse or assault:** Start at age 9 years
- **Pregnancy:** HPV vaccination not recommended until after pregnancy; no intervention needed if vaccinated while pregnant; pregnancy testing not needed before vaccination

Inactivated poliovirus vaccination

(minimum age: 6 weeks)

Routine vaccination

- 4-dose series at ages 2, 4, 6–18 months, 4–6 years; administer the final dose on or after the 4th birthday and at least 6 months after the previous dose.
- 4 or more doses of IPV can be administered before the 4th birthday when a combination vaccine containing IPV is used. However, a dose is still recommended after the 4th birthday and at least 6 months after the previous dose.

Catch-up vaccination

- In the first 6 months of life, use minimum ages and intervals only for travel to a polio-endemic region or during an outbreak.
- IPV is not routinely recommended for U.S. residents 18 years and older.

Series containing oral polio vaccine (OPV), either mixed OPV-IPV or OPV-only series:

- Total number of doses needed to complete the series is the same as that recommended for the U.S. IPV schedule. See www.cdc.gov/mmwr/volumes/66/wr/mm6601a6.htm?s_cid=mm6601a6_w.

- Only trivalent OPV (tOPV) counts toward the U.S. vaccination requirements. For guidance to assess doses documented as "OPV," see www.cdc.gov/mmwr/volumes/66/wr/mm6606a7.htm?s_cid=mm6606a7_w.
- For other catch-up guidance, see Table 2.

Influenza vaccination

(minimum age: 6 months [IIV], 2 years [LAIV], 18 years [RIV])

Routine vaccination

- 1 dose any influenza vaccine appropriate for age and health status annually (2 doses separated by at least 4 weeks for **children 6 months–8 years** who did not receive at least 2 doses of influenza vaccine before July 1, 2018)

Special situations

- **Egg allergy, hives only:** Any influenza vaccine appropriate for age and health status annually
- **Egg allergy more severe than hives** (e.g., angioedema, respiratory distress): Any influenza vaccine appropriate for age and health status annually in medical setting under supervision of health care provider who can recognize and manage severe allergic conditions
- **LAIV should not be used** for those with a history of severe allergic reaction to any component of the vaccine (excluding egg) or to a previous dose of any influenza vaccine, children and adolescents receiving concomitant aspirin or salicylate-containing medications, children age 2 through 4 years with a history of asthma or wheezing, those who are immunocompromised due to any cause (including immunosuppression caused by medications and HIV infection), anatomic and functional asplenia, cochlear implants, cerebrospinal fluid-oropharyngeal communication, close contacts and caregivers of severely immunosuppressed persons who require a protected environment, pregnancy, and persons who have received influenza antiviral medications within the previous 48 hours.

Measles, mumps, and rubella vaccination (minimum age: 12 months for routine vaccination)

Routine vaccination

- 2-dose series at 12–15 months, 4–6 years
- Dose 2 may be administered as early as 4 weeks after dose 1.

Catch-up vaccination

- Unvaccinated children and adolescents: 2 doses at least 4 weeks apart
- The maximum age for use of *MMRV* is 12 years.

Special situations

International travel

- **Infants age 6–11 months:** 1 dose before departure; revaccinate with 2 doses at 12–15 months (12 months for children in high-risk areas) and dose 2 as early as 4 weeks later.
- **Unvaccinated children age 12 months and older:** 2-dose series at least 4 weeks apart before departure

Meningococcal serogroup A,C,W,Y vaccination (minimum age: 2 months [MenACWY-CRM, Menveo], 9 months [MenACWY-D, Menactra])

Routine vaccination

- 2-dose series: 11–12 years, 16 years

Catch-up vaccination

- Age 13–15 years: 1 dose now and booster at age 16–18 years (minimum interval: 8 weeks)
- Age 16–18 years: 1 dose

Special situations

Anatomic or functional asplenia (including sickle cell disease), HIV infection, persistent complement component deficiency, eculizumab use:

- **Menveo**
 - Dose 1 at age 8 weeks: 4-dose series at 2, 4, 6, 12 months
 - Dose 1 at age 7–23 months: 2-dose series (dose 2 at least 12 weeks after dose 1 and after the 1st birthday)
 - Dose 1 at age 24 months or older: 2-dose series at least 8 weeks apart
- **Menactra**
 - **Persistent complement component deficiency:**
 - Age 9–23 months: 2 doses at least 12 weeks apart
 - Age 24 months or older: 2 doses at least 8 weeks apart
 - **Anatomic or functional asplenia, sickle cell disease, or HIV infection:**
 - **Age 9–23 months:** Not recommended
 - **24 months or older:** 2 doses at least 8 weeks apart
 - **Menactra** must be administered at least 4 weeks after completion of PCV13 series.

Travel in countries with hyperendemic or epidemic meningococcal disease, including countries in the African meningitis belt or during the Hajj (wwwnc.cdc.gov/travel/):

- Children age less than 24 months:
 - **Menveo (age 2–23 months):**
 - Dose 1 at 8 weeks: 4-dose series at 2, 4, 6, 12 months
 - Dose 1 at 7–23 months: 2-dose series (dose 2 at least 12 weeks after dose 1 and after the 1st birthday)
 - **Menactra (age 9–23 months):**
 - 2-dose series (dose 2 at least 12 weeks after dose 1; dose 2 may be administered as early as 8 weeks after dose 1 in travelers)
- Children age 2 years or older: 1 dose **Menveo** or **Menactra**

First-year college students who live in residential housing (if not previously vaccinated at age 16 years or older) or military recruits:

- 1 dose **Menveo** or **Menactra**

Note: **Menactra** should be administered either before or at the same time as DTaP. For MenACWY booster dose recommendations for groups listed under "Special situations" above and additional meningococcal vaccination information, see meningococcal *MMWR* publications at www.cdc.gov/vaccines/hcp/acip-recs/vacc-specific/mening.html.

Meningococcal serogroup B vaccination (minimum age: 10 years [MenB-4C, Bexsero; MenB-FHbp, Trumenba])

Clinical discretion

- MenB vaccine may be administered based on individual clinical decision to **adolescents not at increased risk** age 16–23 years (preferred age 16–18 years):
- **Bexsero:** 2-dose series at least 1 month apart
- **Trumenba:** 2-dose series at least 6 months apart; if dose 2 is administered earlier than 6 months, administer a 3rd dose at least 4 months after dose 2.

Special situations

Anatomic or functional asplenia (including sickle cell disease), persistent complement component deficiency, eculizumab use:

- **Bexsero:** 2-dose series at least 1 month apart
 - **Trumenba:** 3-dose series at 0, 1–2, 6 months
- Bexsero** and **Trumenba** are not interchangeable; the same product should be used for all doses in a series. For additional meningococcal vaccination information, see meningococcal *MMWR* publications at www.cdc.gov/vaccines/hcp/acip-recs/vacc-specific/mening.html.

Pneumococcal vaccination

(minimum age: 6 weeks [PCV13], 2 years [PPSV23])

Routine vaccination with PCV13

- 4-dose series at 2, 4, 6, 12–15 months

Catch-up vaccination with PCV13

- 1 dose for healthy children age 24–59 months with any incomplete* PCV13 series
- For other catch-up guidance, see Table 2.

Special situations

High-risk conditions below: When both PCV13 and PPSV23 are indicated, administer PCV13 first. PCV13 and PPSV23 should not be administered during same visit.

Chronic heart disease (particularly cyanotic congenital heart disease and cardiac failure); chronic lung disease (including asthma treated with high-dose, oral corticosteroids); diabetes mellitus:

Age 2–5 years

- Any incomplete* series with:
 - 3 PCV13 doses: 1 dose PCV13 (at least 8 weeks after any prior PCV13 dose)
 - Less than 3 PCV13 doses: 2 doses PCV13 (8 weeks after the most recent dose and administered 8 weeks apart)
- No history of PPSV23: 1 dose PPSV23 (at least 8 weeks after any prior PCV13 dose)

Age 6–18 years

- No history of PPSV23: 1 dose PPSV23 (at least 8 weeks after any prior PCV13 dose)

Cerebrospinal fluid leak, cochlear implant:**Age 2–5 years**

- Any incomplete* series with:
 - 3 PCV13 doses: 1 dose PCV13 (at least 8 weeks after any prior PCV13 dose)
 - Less than 3 PCV13 doses: 2 doses PCV13, 8 weeks after the most recent dose and administered 8 weeks apart
- No history of PPSV23: 1 dose PPSV23 (at least 8 weeks after any prior PCV13 dose)

Age 6–18 years

- No history of either PCV13 or PPSV23: 1 dose PCV13, 1 dose PPSV23 at least 8 weeks later
- Any PCV13 but no PPSV23: 1 dose PPSV23 at least 8 weeks after the most recent dose of PCV13
- PPSV23 but no PCV13: 1 dose PCV13 at least 8 weeks after the most recent dose of PPSV23

Sickle cell disease and other hemoglobinopathies; anatomic or functional asplenia; congenital or acquired immunodeficiency; HIV infection; chronic renal failure; nephrotic syndrome; malignant neoplasms, leukemias, lymphomas, Hodgkin disease, and other diseases

associated with treatment with immunosuppressive drugs or radiation therapy; solid organ transplantation; multiple myeloma:

Age 2–5 years

- Any incomplete* series with:
 - 3 PCV13 doses: 1 dose PCV13 (at least 8 weeks after any prior PCV13 dose)
 - Less than 3 PCV13 doses: 2 doses PCV13 (8 weeks after the most recent dose and administered 8 weeks apart)
- No history of PPSV23: 1 dose PPSV23 (at least 8 weeks after any prior PCV13 dose) and a 2nd dose of PPSV23 5 years later

Age 6–18 years

- No history of either PCV13 or PPSV23: 1 dose PCV13, 2 doses PPSV23 (dose 1 of PPSV23 administered 8 weeks after PCV13 and dose 2 of PPSV23 administered at least 5 years after dose 1 of PPSV23)
- Any PCV13 but no PPSV23: 2 doses PPSV23 (dose 1 of PPSV23 administered 8 weeks after the most recent dose of PCV13 and dose 2 of PPSV23 administered at least 5 years after dose 1 of PPSV23)
- PPSV23 but no PCV13: 1 dose PCV13 at least 8 weeks after the most recent PPSV23 dose and a 2nd dose of PPSV23 administered 5 years after dose 1 of PPSV23 and at least 8 weeks after a dose of PCV13

Chronic liver disease, alcoholism:**Age 6–18 years**

- No history of PPSV23: 1 dose PPSV23 (at least 8 weeks after any prior PCV13 dose)

*An incomplete series is defined as not having received all doses in either the recommended series or an age-appropriate catch-up series. See Tables 8, 9, and 11 in the ACIP pneumococcal vaccine recommendations (www.cdc.gov/mmwr/pdf/rr/rr5911.pdf) for complete schedule details.

Rotavirus vaccination

(minimum age: 6 weeks)

Routine vaccination

- **Rotarix:** 2-dose series at 2 and 4 months.
- **RotaTeq:** 3-dose series at 2, 4, and 6 months.

If any dose in the series is either **RotaTeq** or unknown, default to 3-dose series.

Catch-up vaccination

- Do not start the series on or after age 15 weeks, 0 days.
- The maximum age for the final dose is 8 months, 0 days.
- For other catch-up guidance, see Figure 2.

Tetanus, diphtheria, and pertussis (Tdap) vaccination

(minimum age: 11 years for routine vaccination, 7 years for catch-up vaccination)

Routine vaccination

- **Adolescents age 11–12 years:** 1 dose Tdap
- **Pregnancy:** 1 dose Tdap during each pregnancy, preferably in early part of gestational weeks 27–36
- Tdap may be administered regardless of the interval since the last tetanus- and diphtheria-toxoid-containing vaccine.

Catch-up vaccination

- **Adolescents age 13–18 years who have not received Tdap:** 1 dose Tdap, then Td booster every 10 years
- **Persons age 7–18 years not fully immunized with DTaP:** 1 dose Tdap as part of the catch-up series (preferably the first dose); if additional doses are needed, use Td.
- **Children age 7–10 years** who receive Tdap inadvertently or as part of the catch-up series should receive the routine Tdap dose at 11–12 years.
- **DTaP inadvertently given after the 7th birthday:**
 - **Child age 7–10 years:** DTaP may count as part of catch-up series. Routine Tdap dose at 11–12 should be administered.
 - **Adolescent age 11–18 years:** Count dose of DTaP as the adolescent Tdap booster.
- For other catch-up guidance, see Table 2.
- For information on use of Tdap or Td as tetanus prophylaxis in wound management, see www.cdc.gov/mmwr/volumes/67/rr/rr6702a1.htm.

Varicella vaccination

(minimum age: 12 months)

Routine vaccination

- 2-dose series: 12–15 months, 4–6 years
- Dose 2 may be administered as early as 3 months after dose 1 (a dose administered after a 4-week interval may be counted).

Catch-up vaccination

- Ensure persons age 7–18 years without evidence of immunity (see *MMWR* at www.cdc.gov/mmwr/pdf/rr/rr5604.pdf) have 2-dose series:
 - **Ages 7–12 years:** routine interval: 3 months (minimum interval: 4 weeks)
 - **Ages 13 years and older:** routine interval: 4–8 weeks (minimum interval: 4 weeks).
 - The maximum age for use of *MMRV* is 12 years.



**Department
of Health**

**Office of Children
and Family Services**

**State Education
Department**

Effective June 13, 2019, Chapter 35 of the Laws of 2019 repealed non-medical exemptions from vaccination for children attending school.

This document is in follow-up to [FAQs issued on June 18, 2019](#).

The [2019-20 School Year New York State Immunization Requirements for School Entrance/Attendance](#) is available online.

The Center for Disease Control and Prevention Advisory Committee on Immunization Practices (ACIP) [catch-up immunization schedule](#) is available online.

VACCINATION REQUIREMENTS APPLICABLE TO ALL STUDENTS

Public Health Law §2164, as amended by Chapter 35 of the Laws of 2019 applies to students attending all schools as defined in Public Health Law §2164 to include any public, private or parochial child caring center, day nursery, day care agency, nursery school, kindergarten, elementary, intermediate or secondary schools.

Public Health Law §2164, as amended by Chapter 35 of the Laws of 2019 prohibits a school from permitting any child to be admitted to such school, or to attend such school, in excess of 14 days without sufficient evidence that the child has received all age appropriate required vaccinations. The 14 days may be extended where the student is transferring from out of state or from another country and can show a good faith effort to get the necessary evidence **or** where the parent, guardian or any other person in parental relationship can demonstrate that a child has received the first age-appropriate dose in each immunization series and that they have age appropriate scheduled appointments for follow-up doses to complete the immunization series in accordance with the CDC's Advisory Committee on Immunization Practices Recommended Immunization Schedules for Persons Aged 0 through 18.

1. Does the new law apply to children's camps issued a permit by the State or local health department?

No. The new legislation applies to schools as defined in Public Health Law §2164 and does not apply to children's camps that are issued a permit by the State or local health department.

2. My child had a religious exemption and attends summer school, or extended school year (ESY) for students with disabilities, which are not children's camps. Does the new law apply to summer school/ESY and if so, what is the

timeline I must follow to get my child vaccinated so my child can continue to attend school?

Yes, the law applies to both summer school and ESY. Proof of immunization must be provided within 14 days after the first day of summer school/ESY. The 14 days may be extended where the student is transferring from out of state or from another country and can show a good faith effort to get the necessary evidence; **or**, where the parent, guardian or any other person in parental relationship can demonstrate that a child has received the first age-appropriate dose in each immunization series within the 14 days and that they have age-appropriate scheduled appointments for follow-up doses to complete the immunization series in accordance with the Advisory Committee on Immunization Practices (“ACIP”) “Recommended Child and Adolescent Immunization Schedules for ages 18 years or younger.”

Thereafter, if such students require additional vaccinations due to entering a new grade level when school starts again in the future, those students must provide evidence of having received any additional age-appropriate required immunizations within 14 days of the first day instruction commences. The 14 days may be extended where the parent, guardian or any other person in parental relationship can demonstrate that a child has received the first age-appropriate dose in each immunization series within the 14 days and that they have age-appropriate scheduled appointments for follow-up doses to complete the immunization series in accordance with the ACIP “Recommended Child and Adolescent Immunization Schedules for ages 18 years or younger.”

<https://www.cdc.gov/vaccines/schedules/hcp/imz/child-adolescent.html>.

3. When do parents need to provide proof of immunization in the fall for students who did not attend summer school or ESY?

Proof of immunization must be provided within 14 days after the first day of instruction in September. The 14 days may be extended where the student is transferring from out of state or from another country and can show a good faith

2019-20 School Year New York State Immunization Requirements for School Entrance/Attendance¹

NOTES:

Children in a prekindergarten setting should be age-appropriately immunized. The number of doses depends on the schedule recommended by the Advisory Committee on Immunization Practices (ACIP). For grades pre-k through 11, intervals between doses of vaccine should be in accordance with the ACIP-recommended immunization schedule for persons 0 through 18 years of age. Doses received before the minimum age or intervals are not valid and do not count toward the number of doses listed below. Intervals between doses of vaccine DO NOT need to be reviewed for grade 12 except for interval between measles vaccine doses. See footnotes for specific information for each vaccine. Children who are enrolling in grade-less classes should meet the immunization requirements of the grades for which they are age equivalent.

Dose requirements MUST be read with the footnotes of this schedule.

Vaccines	Prekindergarten (Day Care, Head Start, Nursery or Pre-k)	Kindergarten and Grades 1, 2, 3, 4 and 5	Grades 6, 7, 8, 9, 10 and 11	Grade 12
Diphtheria and Tetanus toxoid-containing vaccine and Pertussis vaccine (DTaP/DTP/Tdap/Td) ²	4 doses	5 doses or 4 doses if the 4th dose was received at 4 years or older or 3 doses if 7 years or older and the series was started at 1 year or older		3 doses
Tetanus and Diphtheria toxoid-containing vaccine and Pertussis vaccine booster (Tdap) ³		Not applicable		1 dose
Polio vaccine (IPV/OPV) ⁴	3 doses	4 doses or 3 doses if the 3rd dose was received at 4 years or older	4 doses or 3 doses if the 3rd dose was received at 4 years or older	3 doses
Measles, Mumps and Rubella vaccine (MMR) ⁵	1 dose		2 doses	
Hepatitis B vaccine ⁶	3 doses	3 doses		3 doses or 2 doses of adult hepatitis B vaccine (Recombivax) for children who received the doses at least 4 months apart between the ages of 11 through 15 years
Varicella (Chickenpox) vaccine ⁷	1 dose		2 doses	1 dose
Meningococcal conjugate vaccine (MenACWY) ⁸		Not applicable	Grades 7, 8, 9 and 10: 1 dose	2 doses or 1 dose if the dose was received at 16 years or older
Haemophilus influenzae type b conjugate vaccine (Hib) ⁹	1 to 4 doses			Not applicable
Pneumococcal Conjugate vaccine (PCV) ¹⁰	1 to 4 doses			Not applicable



1. Demonstrated serologic evidence of measles, mumps, rubella, hepatitis B, varicella or polio (for all three serotypes) antibodies is acceptable proof of immunity to these diseases. Diagnosis by a physician, physician assistant or nurse practitioner that a child has had varicella disease is acceptable proof of immunity to varicella.
2. Diphtheria and tetanus toxoids and acellular pertussis (DTaP) vaccine. (Minimum age: 6 weeks)
 - a. Children starting the series on time should receive a 5-dose series of DTaP vaccine at 2 months, 4 months, 6 months and at 15 through 18 months and at 4 years or older. The fourth dose may be received as early as age 12 months, provided at least 6 months have elapsed since the third dose. However, the fourth dose of DTaP need not be repeated if it was administered at least 4 months after the third dose of DTaP. The final dose in the series must be received on or after the fourth birthday.
 - b. If the fourth dose of DTaP was administered at 4 years or older, the fifth (booster) dose of DTaP vaccine is not required.
 - c. For children born before 1/1/2005, only immunity to diphtheria is required and doses of DT and Td can meet this requirement.
 - d. Children 7 years and older who are not fully immunized with the childhood DTaP vaccine series should receive Tdap vaccine as the first dose in the catch-up series; if additional doses are needed, use Td vaccine. If the first dose was received before their first birthday, then 4 doses are required, as long as the final dose was received at 4 years or older. If the first dose was received on or after the first birthday, then 3 doses are required, as long as the final dose was received at 4 years or older. A Tdap vaccine (or incorrectly administered DTaP vaccine) received at 7 years or older will meet the 6th grade Tdap requirement.
3. Tetanus and diphtheria toxoids and acellular pertussis (Tdap) vaccine. (Minimum age: 7 years)
 - a. Students 11 years or older entering grades 6 through 12 are required to have one dose of Tdap. A dose received at 7 years or older will meet this requirement.
 - b. Students who are 10 years old in grade 6 and who have not yet received a Tdap vaccine are in compliance until they turn 11 years old.
4. Inactivated polio vaccine (IPV) or oral polio vaccine (OPV). (Minimum age: 6 weeks)
 - a. Children starting the series on time should receive a series of IPV at 2 months, 4 months and at 6 through 18 months, and at 4 years or older. The final dose in the series must be received on or after the fourth birthday and at least 6 months after the previous dose.
 - b. For students who received their fourth dose before age 4 and prior to August 7, 2010, 4 doses separated by at least 4 weeks is sufficient.
 - c. If the third dose of polio vaccine was received at 4 years or older and at least 6 months after the previous dose, the fourth dose of polio vaccine is not required.
 - d. Intervals between the doses of polio vaccine do not need to be reviewed for grade 12 in the 2019-20 school year.
 - e. If both OPV and IPV were administered as part of a series, the total number of doses and intervals between doses is the same as that recommended for the U.S. IPV schedule. If only OPV was administered, and all doses were given before age 4 years, 1 dose of IPV should be given at 4 years or older and at least 6 months after the last OPV dose.
5. Measles, mumps, and rubella (MMR) vaccine. (Minimum age: 12 months)
 - a. The first dose of MMR vaccine must have been received on or after the first birthday. The second dose must have been received at least 28 days (4 weeks) after the first dose to be considered valid.
 - b. Measles: One dose is required for prekindergarten. Two doses are required for grades kindergarten through 12.
 - c. Mumps: One dose is required for prekindergarten and grade 12. Two doses are required for grades kindergarten through 11.
 - d. Rubella: At least one dose is required for all grades (prekindergarten through 12).
6. Hepatitis B vaccine
 - a. Dose 1 may be given at birth or anytime thereafter. Dose 2 must be given at least 4 weeks (28 days) after dose 1. Dose 3 must be at least 8 weeks after dose 2 AND at least 16 weeks after dose 1 AND no earlier than age 24 weeks.
 - b. Two doses of adult hepatitis B vaccine (Recombivax) received at least 4 months apart at age 11 through 15 years will meet the requirement.
7. Varicella (chickenpox) vaccine. (Minimum age: 12 months)
 - a. The first dose of varicella vaccine must have been received on or after the first birthday. The second dose must have been received at least 28 days (4 weeks) after the first dose to be considered valid.
 - b. For children younger than 13 years, the recommended minimum interval between doses is 3 months (if the second dose was administered at least 4 weeks after the first dose, it can be accepted as valid); for persons 13 years and older, the minimum interval between doses is 4 weeks.
8. Meningococcal conjugate ACWY vaccine. (Minimum age: 6 weeks)
 - a. One dose of meningococcal conjugate vaccine (Menactra or Menveo) is required for students entering grades 7, 8, 9 and 10.
 - b. For students in grade 12, if the first dose of meningococcal conjugate vaccine was received at 16 years or older, the second (booster) dose is not required.
 - c. The second dose must have been received at 16 years or older. The minimum interval between doses is 8 weeks.
9. Haemophilus influenzae type b (Hib) conjugate vaccine. (Minimum age: 6 weeks)
 - a. Children starting the series on time should receive Hib vaccine at 2 months, 4 months, 6 months and at 12 through 15 months. Children older than 15 months must get caught up according to the ACIP catch-up schedule. The final dose must be received on or after 12 months.
 - b. If 2 doses of vaccine were received before age 12 months, only 3 doses are required with dose 3 at 12 through 15 months and at least 8 weeks after dose 2.
 - c. If dose 1 was received at age 12 through 14 months, only 2 doses are required with dose 2 at least 8 weeks after dose 1.
 - d. If dose 1 was received at 15 months or older, only 1 dose is required.
 - e. Hib vaccine is not required for children 5 years or older.
10. Pneumococcal conjugate vaccine (PCV). (Minimum age: 6 weeks)
 - a. Children starting the series on time should receive PCV vaccine at 2 months, 4 months, 6 months and at 12 through 15 months. Children older than 15 months must get caught up according to the ACIP catch-up schedule. The final dose must be received on or after 12 months.
 - b. Unvaccinated children ages 7 through 11 months of age are required to receive 2 doses, at least 4 weeks apart, followed by a third dose at 12 through 15 months.
 - c. Unvaccinated children ages 12 through 23 months are required to receive 2 doses of vaccine at least 8 weeks apart.
 - d. If one dose of vaccine was received at 24 months or older, no further doses are required.
 - e. For further information, refer to the PCV chart available in the School Survey Instruction Booklet at: www.health.ny.gov/prevention/immunization/schools

For further information, contact:

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