



CIS Childhood Immunization Status

The purpose of CIS is to assess the percentage of children who turned two years of age in the measurement year (2026) that had the below vaccines on or before their second birthday:

- Four doses of DTaP vaccine (diphtheria, tetanus and acellular pertussis)
- Three doses of IPV vaccine (polio)
- One dose of MMR vaccine (measles, mumps and rubella)
- Three doses of HiB vaccine (haemophilus influenzae type B)
- Three doses of HepB vaccine (hepatitis B)
- One dose of VZV vaccine (chicken pox/varicella)
- Four doses of PCV vaccine (pneumococcal conjugate)
- One dose of HepA vaccine (hepatitis A)
- Two doses OR three doses (depending on type) of RV vaccine (rotavirus)
- Two doses of Flu vaccine (influenza)



General Guidelines

- For MMR, VZV, hepatitis B and hepatitis A, count any of the following:
 - Evidence of the antigen or combination vaccine, or
 - Documented history of the illness, or
 - Anaphylaxis due to the vaccine or components
- For IPV, Hib, PCV, Rotavirus, and Flu, count any of the following:
 - Evidence of the antigen or combination vaccine, or
 - Anaphylaxis due to the vaccine or components
- For Dtap, count any of the following:
 - Evidence of the antigen or combination vaccine, or
 - Anaphylaxis due to the vaccine or components, or
 - Encephalitis due to vaccine or components



For history of illness, anaphylaxis, and encephalitis, there must be a note indicating the date of the event. The event must have occurred by the child's second birthday. For combination vaccinations that require more than one antigen (DTaP and MMR), the organization must find evidence of all antigens (e.g., you cannot enter a tetanus shot for DTaP or a measles vaccine for MMR).

DTaP Vaccine

- In order to be compliant, there must be at least four DTaP vaccines with different dates of service
- on or before the child's second birthday; OR an anaphylactic reaction to the vaccine or
- encephalitis due to the vaccine anytime on or prior to the member's second birthday.
- Vaccines given prior to 42 days after birth do not count as compliant. However, enter what is found in the chart, and the application will alert you if it is outside of the timeframe.
- DT alone is not acceptable, as it does not include acellular pertussis.
- Do not enter a Tdap vaccine. This is an immunization for adolescents.
- Immunizations documented under the generic header "DTaP/DTP/DT/Tdap" can be counted as evidence of DTaP.
- History of the disease or seropositive testing does not count for DTaP

DTaP EXAMPLES

Example 1:

- This example shows four DTaP vaccines being given. Enter all four dates on the DTaP lines.
- It also has HepB and IPV dates for three of the vaccines, so enter those for the dates as well.

Example 2:

- This example shows a generic header of DTP/DTaP/DT/Td. Assume this is DTaP unless otherwise stated.
- Enter all four dates for DTaP vaccine.

Example 3:

- This example is from a progress note. It states the vaccines were "given today."
- These vaccines would be entered with the progress note date, if it is on or before the second birthday.

Immunizations	
Name	Date Given
DTaP	07/06/2024
DTaP/Hep B/IPV	08/14/2023
DTaP/Hep B/IPV	06/13/2023
DTaP/Hep B/IPV	04/13/2023

VACCINE	DATE GIVEN MM DD YY	DATE GIVEN MM DD YY	DATE GIVEN MM DD YY	DATE GIVEN MM DD YY
Section: Vaccines of School of Birth				
DTP,DTaP,DT,Td	03/27/2023	06/01/2023	07/27/2023	07/03/2024

Health Maintenance
 Immunizations given--DTaP, Hib, IPV, pneumococcal 13 and rotavirus
 counseled on the risks and benefits of vaccine components given today

HiB Vaccine

- To be compliant for the measure, there must be at least three HiB (*haemophilus influenzae*) vaccines
- with different dates of service on or before the child's second birthday, OR an anaphylactic reaction to the vaccine anytime on or prior to the member's second birthday.
- Vaccines given prior to 42 days after birth do not count as compliant. However, enter what is found in the chart, and the application will alert you if it is outside of the timeframe.
- History of the disease or seropositive testing does not count for HiB.

HiB Examples

Example 1:

- This example shows an immunization that lists several vaccines together. It has DTaP, polio, and then it says "haemoph" which would be acceptable to enter as HiB.

08/02/2024 14:37 diphth/haemoph/pertussis/tetanus/polio (c) 0.5 mL L arm

Example 2:

- This example shows a HiB vaccine that has the brand name of Pedvax. Enter all three dates for HiB.

PEDVAXHIB VACCINE IM Administration Dates 01/09/2023, 05/17/2023, 07/15/2024)

Example 3:

- This example shows four dates for HiB. Enter all four dates. The application will alert you if the dates are outside of timeframe.
- One vaccine is a Pentacel vaccine. Combination vaccines will be covered later in the manual.

Hib	1	haemophilus b conj (PRP-OMP) vaccine	03/02/2023
Dates Administered	2	diphth/haemoph/pertussis/tetanus/polio DTaP-Hib-IPV Vaccine (Pentacel)	05/18/2023
	3	haemophilus b conj (PRP-OMP) vaccine	07/24/2023
	4	haemophilus b conj (PRP-OMP) vaccine	02/12/2024

PCV Vaccine

To be compliant , there must be at least four pneumococcal conjugate vaccines with different dates of service on or before the child's second birthday, OR an anaphylactic reaction to the vaccine anytime on or prior to the member's second birthday.

- Vaccines given prior to 42 days after birth do not count as compliant. However, enter what is found in the chart, and the application will alert you if it is outside of the timeframe.
- PCV23 or pneumococcal polysaccharide vaccines are not acceptable.
- History of the disease or seropositive testing does not count for PCV

PCV Examples

Example 1:

- This example shows a Pneumococcal 13 vaccine and says Prevnar 13, which are two different names for PCV. Enter all four dates in the data entry screen.

Pneumococcal 13-val SYRINGE 02/08/2024
(PREVNAR 13) Administered
Pneumococcal 13-val SYRINGE 01/04/2023
(PREVNAR 13) Administered
Pneumococcal 13-val SYRINGE 10/30/2023
(PREVNAR 13) Administered
Pneumococcal 13-val SYRINGE 08/21/2023
(PREVNAR 13) Administered

Example 2:

- This example states PCV vaccine was administered on these four dates. PCV is the abbreviation for pneumococcal vaccine, so these four dates should be entered.

PCV Administered Dates (Under Age 5)	06/13/2023	08/14/2023	10/17/2023	05/07/2024
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Example 3:

- This example is from a progress note in the Assessment/Plan and shows three vaccines that were given: Rotateq, Pentacel (combinations will be covered later), and Prevnar 13 or pneumococcal conjugate.
- It has Administer Perform Dates. Those are the dates that should be entered for the vaccines listed.

2. Immunization - Potential side effects including fever, fussiness, decreased appetite and soreness to the site decreased.
Z23: Encounter for immunization

- ROTATEO VACCINE 2 ML ORAL SOLUTION - rotavirus, pentavalent Qty: 2 mL Administer Perform Date 04/19/2022
- PENTACEL (PF) 15 LF UNIT-20 MCG-5 LF /0.5 ML INTRAMUSCULAR KIT - DTaP-Hib-IPV Administer Perform Date 04/19/2022
- PREVNAR 13 (PF) 0.5 ML INTRAMUSCULAR SYRINGE - pneumococcal conjugate PCV 13 Qty: 0.5 mL Administer Perform Date 04/19/2022

IPV (Polio) Vaccine

- To be compliant, there must be at least three IPV vaccines with different dates of service on or before the child's second birthday, OR an anaphylactic reaction to the vaccine anytime on or prior to the member's second birthday.
- Vaccines given prior to 42 days after birth do not count as compliant. However, enter what is found in the chart, and the application will alert you if it is outside of the timeframe.
- OPV alone does not count as compliant, as this is an oral polio vaccine.
- A generic header of "polio vaccine" or "OPV/IPV" is acceptable to enter.
- History of the disease or seropositive testing does not count for IPV

IPV Examples

Example 1:

- This example is an immunization record that simply states "Polio." This is acceptable to enter for the IPV vaccine. Enter all three dates listed.



Polio	11/10/2023
Administered Dates	01/11/2024
	03/01/2024

Example 2:

- This example has Pediarix, a combination vaccine, which will be discussed further in the manual, and IPV alone for the second vaccine. All three should be entered as IPV vaccine.



IPV #1 / **PEDIARIX (90723)	Given L arm	06/16/2023
IPV #2 / **IPV (90713)	Given R arm	08/28/2023
IPV #3 / **PEDIARIX (90723)	Given L arm	10/31/2023

Example 3:

- This example is listed under a Polio header, but then lists DTaP-HIB-IPV with four vaccines given. Enter all four dates for all vaccines listed.



Administered Dates	
Polio	
DTaP-HIB-IPV	09/06/2022
DTaP-HIB-IPV	10/27/2022
DTaP-HIB-IPV	01/03/2023
DTaP-HIB-IPV	01/29/2024

Hepatitis B Vaccine

- In order to be compliant, there must be at least three hepatitis B vaccines with different dates of service on or before the child's second birthday, or
- Documented history of the illness on or before the child's second birthday, or
- An anaphylactic reaction to the vaccine anytime on or prior to the member's second birthday.
- One of the three vaccines can be a newborn hepatitis B vaccination. The chart may state "given as newborn at hospital", "given at birth", "given at hospital". In this case, enter the child's date of birth as the date of the vaccination.
- Seropositive testing does not count for HepB.

MMR

(Measles, Mumps, Rubella) Vaccine

- In order to be compliant, there must be at least one MMR vaccine with a date of service falling on or between the child's first and second birthday, or
- Documented history of the illness on or before the child's second birthday, or
- An anaphylactic reaction to the vaccine anytime on or prior to the member's second birthday
- For this numerator to be positive, there must be evidence of service for all three components of MMR (measles, mumps, rubella). For example, if there is documented history of measles by the child's second birthday, the child must also have the mumps and rubella vaccines as well. Enter what is found in the chart and let the application score compliance.
- If measles, mumps, and rubella are documented separately as vaccines, enter them on the three separate lines. However, if MMR is noted next to them or a brand name such as Proquad, enter on the MMR line.
- Seropositive testing does not count for MMR

MMR Examples

Example 1:

- This example shows Measles, Mumps and Rubella listed separately. They would be entered on the separate lines for each vaccine type in this case, not on the MMR line.



Measles	08/23/2023
Mumps	08/23/2023
Rubella	08/23/2023

Example 2:

- This example states Measles, Mumps, Rubella in the header, but then states the MMR vaccine was given. This should be entered on the MMR line.



Measles, Mumps, Rubella
MMR

Example 3:

- This example shows an MMR vaccine. Enter this on the MMR line in the data-entry screen.



• MMR

VZV (Varicella/Chickenpox) Vaccine

- In order to be compliant, there must be at least one V ZV vaccine with a date of service falling on or between the child's first and second birthday, or
- Documented history of the illness (chicken pox) on or before the child's second birthday,
or
- An anaphylactic reaction to the vaccine anytime on or prior to the member's second birthday
- Seropositive testing does not count for VZV

VZV Examples

Example 1:

- This example shows a VZV vaccine listed as "varicella." This is acceptable to enter as a VZV vaccine in the data entry screen.



Varicella	Administered 08/23/2024
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Example 2:

- This example is a progress note instead of an immunization record. This shows that the HepA, MMR/Varicella, and PCV vaccines were given. These would all be entered with the progress note date, if it is within the timeframe.



Immunizations Given
Hep A, IM (Pediatric)
MMR/Varicella
Pneumococcal conjugate (PCV13/Prevnar13)

Example 3:

- This example shows a VZV vaccine with brand name of Varivax. This would be entered with the Administered Date.



VARIVAX (PF) 1,350 UNIT/0.5 ML SUBCUTANEOUS SUSPENSION - varicella Site: Thigh, Right Qty: 0.5 mL Administered 06/27/2024

Hepatitis B Vaccine

- In order to be compliant, there must be at least three hepatitis B vaccines with different dates of service on or before the child's second birthday, or
- Documented history of the illness on or before the child's second birthday, or
- An anaphylactic reaction to the vaccine anytime on or prior to the member's second birthday.
- One of the three vaccines can be a newborn hepatitis B vaccination. The chart may state "given as newborn at hospital", "given at birth", "given at hospital". In this case, enter the child's date of birth as the date of the vaccination.
- Seropositive testing does not count for HepB.

HepB Examples

Example 1:

- This example is from a progress note that states the Hepatitis B vaccine was given at birth. In this case, enter the member's DOB as the vaccine date.

Birth History:

was delivered full term. Her birth weight was 7 lbs 14 oz. Metabolic Screen was normal WNL per previous Dr.
Hearing Screen was normal.
Hepatitis B vaccine given at birth.

Example 2:

- This example shows three HepB vaccines. The second is a Pediarix, which is a combo vaccine and will be discussed further in the manual. The third lists the brand name Engerix-B. All three are acceptable to enter.

Administered

HepB	01/06/2023	1 of 3	
	03/14/2023	2 of 3	Pediarix
	08/23/2023	3 of 3	Engerix-B Peds

Example 3:

- This example shows a header of Hepatitis B, then three HepB vaccines listed under it. Enter all three HepB vaccines in the DE screen.

Hepatitis B

Given

Hep B, adolescent or pediatric	07/19/2024
Hep B, adolescent or pediatric	12/22/2023
Hep B, adolescent or pediatric	10/17/2023

Hepatitis A Vaccine

- In order to be compliant, there must be at least one hepatitis A vaccine with a date of service falling
- on or between the child's first and second birthday, or
- Documented history of the illness on or before the child's second birthday, or
- An anaphylactic reaction to the vaccine anytime on or prior to the member's second birthday
- • Seropositive testing does not count for Hep A

HepA Examples

Example 1:

- This example shows two Hepatitis A vaccines that were given. Enter both dates into the DE screen.

• Hepatitis A - Ped Administered Dates 07/18/2023, 07/11/2024

Example 2:

- This example has a header of Hepatitis A, then lists a HepA vaccine on 8/27/2024. This is acceptable to enter in the DE screen.

Hepatitis A	Given
Hep A, ped/adol, 2 dose	08/27/2024

Example 3:

- This example shows a HepA vaccine with the brand name Havrix. This would be entered with the date 5/22/2024.

5.	Hep A Ped/Adol 2 Dose (Havrix)	05/22/2024 Given L arm
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Influenza (FLU) Vaccine

- Note: This element describes a seasonal influenza ("flu") vaccine. It is not to be confused with the HiV (haemophilus influenzae type B) vaccination described above.
- In order to be compliant, there must be at least two influenza vaccines with different dates of service on or before the child's second birthday, OR an anaphylactic reaction to the vaccine anytime on or prior to the member's second birthday
- Vaccines administered in the first six months of life do not count as compliant for the CIS measure. However, abstractors are instructed to capture all immunizations with the dates on which they occurred, and compliance will be determined by the system.
- Flu Mist nasal vaccine or influenza virus I-AIV vaccine (live attenuated influenza vaccine) is acceptable ONLY on the member's second birthday, as it is recommended for children two and older.
- History of the disease or seropositive testing does not count for flu vaccine.

Flu Examples

Example 1:

- This example is a vaccination record that shows two influenza vaccines. Enter both dates in the data-entry screen.



Influenza, injectable, quad, preserv free	Given
	12/13/2023
	03/07/2024

Example 2:

- This example shows a FluLaval influenza vaccine. This is acceptable to use and should be entered with a date of 9/17/2023.



influenza virus vaccine, inactivated (obs_FluLaval Quadrivalent	
09/17/2023	12 months 4DY9K L arm SJPN BRFM EHR

Example 3:

- This example has three influenza vaccines. Fluarix is an acceptable form of documentation for influenza vaccine, so enter all three vaccines into the DE screen.



4.	FluaRIX QUAD 0.5 PF	04/18/2023 L arm
5.	FluaRIX QUAD 0.5 PF	05/18/2023 L arm
6.	FluaRIX QUAD 0.5 PF	01/24/2024 R arm

Rotavirus (RV) Vaccine

- If the medical record does not indicate if the 2-dose or 3-dose vaccine was given, assume the vaccine is a 3- dose vaccine.
- There are other ways to determine if the vaccine is a 2-dose (Rotarix) or a 3-dose (Rotateq):
- Rotateq is manufactured by Merck and is pentavalent
- Rotarix is manufactured by GlaxoSmithKline and is monovalent
- Rotarix may be labeled as RVI, Rotateq may be labeled as RV5
- If it cannot be determined by brand name, RVI/RV5, manufacturer, or valence, assume it is a 3-dose vaccine.
- History of the disease or seropositive testing does not count for RV

RV Examples

Example 1:

- This example shows a generic Rotavirus header on the left side. The first vaccine specifies that it is Rotarix, which is a 2-dose vaccine and should be entered as such. The other two vaccines do not specify their type by manufacturer, brand, or valence. These two must be entered as a 3-dose vaccine.



Rotavirus	03/14/2022	1 of 3	Rotarix®
Administered Dates	07/13/2022	2 of 3	
	08/15/2022	3 of 3	

Example 2:

- This example is a Rotavirus pentavalent vaccine, which would be a Rotateq or 3-dose vaccine. Choose the 3-dose vaccine when entering 4/13/2023 for this vaccine.



Rotavirus Pentavalent	04/13/2023	L arm
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Example 3:

- This example shows a Rotavirus monovalent vaccine, which would be a Rotarix or 2-dose vaccine. Choose the 2-dose vaccine with a date of 8/24/2023.



Rotavirus Monovalent	08/24/2023	R arm
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RV Examples

Example 4:

- This example states "Rotavirus." When there is no brand name, manufacturer, or valence, assume it is Rotateq and choose 3-dose. Even though there are only two vaccines, enter as 3-dose.



Rotavirus	11/10/2023
Administered Dates	<u>01/11/2024</u>

Example 5:

- This example shows RV1, which would be a Rotarix vaccine. Also, under Manufacturer, it states it is GlaxoSmithKline, which is Rotarix and would be entered as the 2-dose vaccine.



Vaccine:	Date Given:	
RV1	08/10/2024	5 EDT
Admin Person:	Facility:	
RN, []	[]	
Site:	Amount:	Manufacturer:
	1mL	GlaxoSmithKline

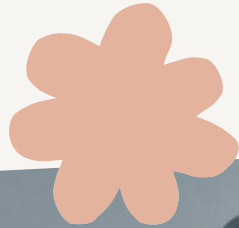
Example 6:

- This example shows a Rotateq, which is the 3-dose vaccine. If it did not state that, it lists the manufacturer as Merck, which coincides with the Rotateq vaccine.



ROTATEQ (ROTAVIRUS 3 DOSE)	12/28/2023	2 mL
Given By:	MA	Manufacturer: Merck & Co. Inc
Lot#: N021027		

Notes



Enter all vaccinations found in the timeframe, regardless of compliance. For example, if there is only one DTaP vaccination found, enter it. The application will calculate compliance.

Before entering a vaccination, be sure it was completed and not just ordered, suggested, planned, or due.

For combination vaccines that require more than one antigen (e.g., DTaP), there must be evidence of all antigens to enter the vaccine. For example, do not just enter a tetanus shot on the DTaP line.

Health maintenance forms often have immunizations on them, but they can also have the dates immunizations are due. Make sure to pay attention and see if the immunization was administered or if it is due.

Notes

A note that "immunizations are up to date" is not sufficient. The immunizations must be listed and dated to ensure all antigens were given and they were given in the timeframe.



Parental shot records may be used if they are found in the medical record and contain signatures/stamps from the providers who administered the vaccines, and the dates of vaccination.



Be sure to review all types of documents to find all vaccines given. Vaccines may be found on immunizations certificates, immunization registries, immunization flow sheets, health maintenance forms, or in progress notes.



For combination vaccines, be sure to record all antigens. Combination vaccines will be listed in the vaccine table at the back of the manual.

- Example: "MMRV" given 2/1/2024. Enter MMR and VZV vaccinations on that date.
- Example: "Pediarix" given 3/11/2024. Enter DTaP, HepB, and IPV vaccinations on that date.

Combination Examples

Example 1:

- This example shows that DTaP #1 and #3 were given as Pediarix. Pediarix is a combination vaccine including DTaP, HepB, and IPV. The dates 6/16/2023, and 10/31/2023 only should be entered for all three vaccines.



Immunization		Date
DTaP #1 / **PEDIARIX (90723)	L arm	06/16/2023
DTaP #2 / **DTAP <7years (90700)	R arm	08/28/2023
DTaP #3 / **PEDIARIX (90723)	L arm	10/31/2023

Example 2:

- This example shows Pentacel was given on 2/12/2022, 4/17/2022, and 6/8/2022. Those dates should be entered for DTaP, HiB, and IPV, as Pentacel includes all three immunizations.



Administered	Date(s) Administered
• Dtap/Hib/IPV Vaccine (Pentacel)	02/12/2022, 04/17/2022, 06/08/2022

Example 3:

- This example that Varicella was given as a Proquad vaccine. Proquad includes MMR and VZV. 8/23/2023 should be entered for both MMR and VZV.



Administered		Date(s) Administered	
Varicella	08/23/2023	1 of 2	PROQUAD under 13Y®

Unacceptable Documentation

Do not use any of the following:

- Medical record entries on progress notes dated after the member's second birthday, even if the vaccine is dated on or prior to the second birthday
- Vaccines outside of the timeframe (platform will alert user if any vaccination entered is outside of the timeframe)
- A note ordering the immunization without evidence the immunization was given
- Refusal by parent based on religious beliefs or any other reason
- Provider refusal to administer vaccine
- Vaccines stated "given at health department" without dates the vaccines were given in the notes

Progress Note Examples

Example 1:

- This example shows orders for several vaccines, but there is no evidence any of them were completed.

Orders

Orders

Pharmacy:

Rotavirus Vaccine (Order): 2 mL, By mouth, Once, Stop: 02/23/2022
Influenza, vaccine, 6-35 months (Quadrivalent) (Order): 0.25 mL, IM, Once, 02/23/2022
Pneumococcal Conjugate Vaccine, 13 Valent (Order): 0.5 mL, IM, Once, Stop: 02/23/2022
Hib Vaccine, PRP-T Conjugate 4 Dose (Order): 0.5 mL, IM, Once, Stop: 02/23/2022
DTaP-HepB-IPV Vaccine (Pediarix) (Order): 0.5 mL, IM, Once, Stop: 02/23/2022

Example 2:

- This example only states a need for rotavirus vaccine but does not state it was done that day. This cannot be entered.

Need for prophylactic vaccination against rotavirus
- Rotavirus vaccine pentavalent 3 dose oral

Example 3:

- These two examples are acceptable. The first one says Influenza given today. Enter the date of the progress note. The second one was found in the Assessment/Plan and says Flulaval Status: Given. Enter the date of the progress note with this one as well.

Immunizations: Influenza (Flu) given today.

Immunization:

(1) Flulaval-VFC (Child)

Location: Rvl Status: Given Expire Date: 06/30/2024

Manufacturer: GlaxoSmithKline Dose: 0.50 ml Lot No.: 55GY9

VIS#: 08/15/2023

VFC#: VFC eligible - Medicaid/Medicaid Managed Care

Administered By: Self/Staff Administrator Name:

CNA

Exclusions

- An Exclusion is also referred to as a Hard Exclusion. An Exclusion is a reason the health plan must remove a member from the sample. If an Exclusion is found in a chart, the health plan must replace the member with another member in the sample, even if the member is compliant.
- If an Exclusion is found in the chart, enter it on the Data Entry screen, but also abstract any numerators found in the chart as well (e.g., BP readings, eye exams, pap smears, etc.). Always abstract even if you are entering an Exclusion.
 - Members who died any time during the measurement year (2026).
 - Members who use hospice services or elect to use a hospice benefit anytime during the measurement year (2026), regardless of when services performed
 - Palliative care is not considered the same as hospice care
 - Members who had a contraindication to a childhood vaccine on or before their second birthday. (Not including laboratory claims)