

<https://www.cdc.gov/vaccinesafety/ensuringsafety/monitoring/vaers/access-VAERS-data.html>

How to Access VAERS Data through VAERS WONDER System

Vaccine Safety Monitoring
VAERS Quick Guide

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Step-by-step instructions

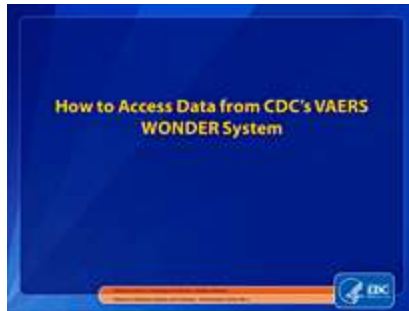
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VAERS data (without patient-identifying information) are publicly available online through a system called [CDC's VAERS WONDER](#).

Below are step-by-step instructions on how to access the data from CDC's VAERS WONDER System. The instructions can be printed: [How to Access Data from CDC's VAERS WONDER System pdf icon\[PDF – 9 Pages\]](#)

A video is also available to demonstrate how to search VAERS data using CDC WONDER. The video will explain the purpose of VAERS and strengths and limitations of VAERS data.



[Video: How to Access Data from CDC's VAERS WONDER System](#)

Watch specific sections of the video:

- [Section 2: How to Search VAERS Public Dataexternal icon](#)
- [Section 3: Strengths and Limitations of VAERS Dataexternal icon](#)
- [Section 4: Where to Get More Informationexternal icon](#)

Getting Started

- Go to <https://wonder.cdc.gov/vaers.html>. Read the Disclaimer box at the bottom of the page and click "I agree."

Disclaimer

VAERS accepts reports of adverse events and reactions that occur following vaccination. Healthcare providers, vaccine manufacturers, and the public can submit reports to VAERS. While very important in monitoring vaccine safety, VAERS reports alone cannot be used to determine if a vaccine caused or contributed to an adverse event or illness. The reports may contain information that is incomplete, inaccurate, coincidental, or unverifiable. Most reports to VAERS are voluntary, which means they are subject to biases. This creates specific limitations on how the data can be used scientifically. Data from VAERS reports should always be interpreted with these limitations in mind.

The strengths of VAERS are that it is national in scope and can quickly provide an early warning of a safety problem with a vaccine. As part of CDC and FDA's multi-system approach to post-licensure vaccine safety monitoring, VAERS is designed to rapidly detect unusual or unexpected patterns of adverse events, also known as "safety signals." If a safety signal is found in VAERS, further studies can be done in safety systems such as the CDC's Vaccine Safety Datalink (VSD) or the Clinical Immunization Safety Assessment (CISA) project. These systems do not have the same limitations as VAERS, and can better assess health risks and possible connections between adverse events and a vaccine.

Key considerations and limitations of VAERS data:

- Vaccine providers are encouraged to report any clinically significant health problem following vaccination to VAERS, whether or not they believe the vaccine was the cause.
- Reports may include incomplete, inaccurate, coincidental and unverified information.
- The number of reports alone cannot be interpreted or used to reach conclusions about the existence, severity, frequency, or rates of problems associated with vaccines.
- VAERS data are limited to vaccine adverse event reports received between 1990 and the most recent date for which data are available.
- VAERS data do not represent all known safety information for a vaccine and should be interpreted in the context of other scientific information.

By clicking the "I Agree" button I signify that I have read and understand the disclaimer.



I Agree

Click [Dataset Documentation](#) for complete information about this dataset.

- Click on the **VAERS Data Search** box to start your search.

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Step 1: Organize table layout

- In the **Organize table layout**, you can choose which variable you want to see in your results. Clicking the down arrow to the right of the **Group Results By** drop-down list will show all the options.

Make all desired selections and then click any **Send** button one time to send your request.

1. Organize table layout:

Send

Help

Group Results By

Symptoms

And By

Symptoms

And By

Vaccine Characteristics

And By

Vaccine Type

And By

Optional Measures

Vaccine

Vaccine Manufacturer

Vaccine Dose

Vaccine Lot

Title

Demographics

Age

Sex

State / Territory

Event Characteristics

Days In Hospital

Event Category

Report Form Version

Mfr/Imm Project Number

Onset Interval

Recovered

Notes:

- Data contains VAERS reports processed as of **3/5/2021**.
- Must group by VAERS ID when selecting any of the Optional Measures.
- When grouping by **VAERS ID**, results are initially displayed with Events Reported, Percent, and totals not shown.

results.)
tion

**Prior Vaccinations
of Vaccination**


- To see the description of the adverse event as it was reported on the VAERS form, select **VAERS ID** as the first choice in the **Group Results By** box and select **Adverse Event Description** in the next section below entitled Optional Measures.


Request Form | Results | Map | Chart | Report | About


[Dataset Documentation](#) | [Other Data Access](#) | [Data Use Restrictions](#) | [How to Use WONDER](#) Save Reset


*Make all desired selections and then click any **Send** button one time to send your request.*


1. Organize table layout: Send Help

Group Results By: VAERS ID  **Notes:**


And By: Age  • Data contains VAERS reports processed as of **3/5/2021**.

And By: Vaccine  • Must group by VAERS ID when selecting any of the Optional Measures.

And By: None  • When grouping by **VAERS ID**, results are initially displayed with Events Reported, Percent, and totals not shown.

And By: None 

Optional Measures (Check box to include in results.)

Adverse Event Description 

Lab Data

Current Illness

Adverse Events After Prior Vaccinations

Medications At Time Of Vaccination

History/Allergies

Title

- If you want to give your search printout a title, enter it in the **Title** box. If you don't want a title, you can leave the box blank.

Make all desired selections and then click any **Send** button one time to send your request.

1. Organize table layout: Send Help

Group Results By VAERS ID

And By Age

And By Vaccine

And By None

And By None

- Notes:**
- Data contains VAERS reports processed as of **3/5/2021**.
 - Must group by VAERS ID when selecting any of the Optional Measures.
 - When grouping by **VAERS ID**, results are initially displayed with Events Reported, Percent, and totals not shown.

Optional Measures (Check box to include in results.)

Adverse Event Description

Lab Data

Current Illness

Adverse Events After Prior Vaccinations

Medications At Time Of Vaccination

History/Allergies

Title Fainting



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Step 2: Select symptoms

- Click the **Search** tab above the symptom list. To search for terms, click on the **Search** tab. Select the terms you want to use for your search. As you highlight a term, it is moved to the “Currently Selected” box on the right side of the screen. To select more than one term, hold down the Control (Ctrl) key on a PC or the Command (Cmd) key on Mac.

- To select a range of terms, hold down the Shift key.

2. Select symptoms:

Click the [Advanced Finder Options](#) link for more complex searches.

Browse or **search** to find items in the Symptoms Finder Tool, then **highlight** the items to use for this request. (The *Currently selected* box displays all current request items.)

[Finder Tool Help](#) [Advanced Finder Options](#)

Browse **Search** **Details**

Search in: [Symptoms](#)

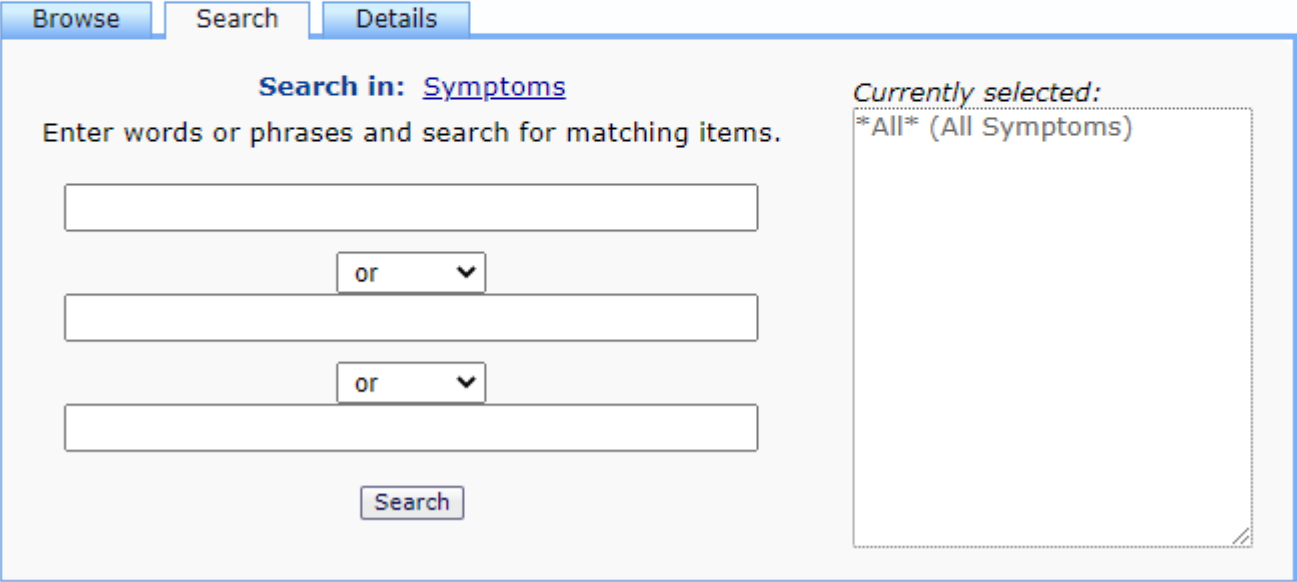
Enter words or phrases and search for matching items.

or

or

Currently selected:

All (All Symptoms)



- You can also search symptoms by its first letter. On the **Browse** tab, scroll through the alphabet to find the first letter of the symptom and click “search.” The option expands to list all the symptoms that begin with that letter.

2. Select symptoms:

Send

Help

Click the **Advanced Finder Options** link for more complex searches.

Browse or **search** to find items in the Symptoms Finder Tool, then **highlight** the items to use for this request.
(The *Currently selected* box displays all current request items.)

[Finder Tool Help](#)

[Advanced Finder Options](#)

The screenshot shows the Symptoms Finder Tool interface. At the top, there are three tabs: 'Browse', 'Search', and 'Details'. The 'Search' tab is active. Below the tabs, the word 'Symptoms' is displayed in a blue, underlined font. A list of symptoms is shown in a scrollable area. The list starts with '*All* (All Symptoms)', followed by '+ 0-9 (0-9)', and then '- A (A)'. Under the '- A (A)' category, several symptoms are listed with their IDs and descriptions: 10049460 (ABASIA), 10000044 (ABDOMEN CRUSHING), 10061936 (ABDOMEN SCAN), 10061937 (ABDOMEN SCAN NORMAL), 10060921 (ABDOMINAL ABSCESS), 10000050 (ABDOMINAL ADHESIONS), 10059486 (ABDOMINAL CAVITY DRAINAGE), 10058808 (ABDOMINAL COMPARTMENT SYNDROME), 10000059 (ABDOMINAL DISCOMFORT), and 10000060 (ABDOMINAL DISTENSION). Below the list are three buttons: 'Open', 'Close', and 'Close All'. To the right of the list is a box labeled 'Currently selected:' containing the text 'A (A)'. Below the list and buttons, there is a paragraph of text: 'Browse the list by opening and closing items. Use Ctrl+Click to multiple select, Shift+Click for a range.'

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Step 3: Select vaccine characteristics

- In this step, you can select the desired vaccine products shown from the **Vaccine Product**. When a vaccine is highlighted, it moves to the **Currently Selected** box on the right side of the screen. To search for a specific brand of vaccine, click the **Open** button at the bottom of the section and select the specific brand or brands of vaccine you are interested in.
- Under **Vaccine Products**, you can also search for vaccine manufacturer, vaccine dose number, and vaccine lot number. If you don't select any, the search will default to all manufacturers, all doses, and all lot numbers.

3. Select vaccine characteristics:

Send Help

NOTE: Flu vaccine brands are no longer separately listed by year. If you want to search for a specific year of a vaccination, please go to section 6 (Select date vaccinated) and select the year(s) you are interested in searching.

Browse or **search** to find items in the Vaccine Products Finder Tool, then **highlight** the items to use for this request.
(The *Currently selected* box displays all current request items.)

[Finder Tool Help](#) [Advanced Finder Options](#)

Browse Search Details

Vaccine Products

All (All Vaccine Products)
+ ADEN_4_7 (ADENOVIRUS TYPE 4 & 7 VACCINE, LIVE ORAL)
+ ADEN (ADENOVIRUS VACCINE LIVE ORAL TYPE 7)
+ ANTH (ANTHRAX VACCINE)
+ BCG (BACILLUS CALMETTE-GUERIN VACCINE)
+ CEE (CENTRAL EUROPEAN ENCEPHALITIS)
+ CHOL (CHOLERA VACCINE)
+ HBHEPB (COMVAX)
+ COVID19 (COVID19 VACCINE)
+ DF (DENGUE TETRAVALENT VACCINE (DENGVAXIA))

Open Close Close All

Browse the list by opening and closing items.
Use Ctrl+Click to multiple select, Shift+Click for a range.

Currently selected:
All (All Vaccine Products)

Vaccine Manufacturer

All Manufacturers	All Doses
AVENTIS PASTEUR	1 Dose
BAXTER HEALTHCARE CORP.	2 Doses
BERNA BIOTECH, LTD.	3 Doses
BSI	4 Doses
BURROUGHS WELLCOME	5 Doses
CONNAUGHT LABORATORIES	6 Doses

Vaccine Dose

Vaccine Lot

--

Enter vaccine lots,
one per line,
maximum 15
characters each.
Leave empty for all
lots.

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Step 4: Select location, age, gender

- In this step, you to select specific locations, ages, and genders. If you don't select anything, the search will default to all U.S. states and territories, all ages, and all genders.

4. Select location, age, gender:

State / Territory

All Locations	▲
The United States/Territories/Unknown	
Alabama	
Alaska	
Arizona	
Arkansas	
California	▼

Age

All Ages	▲
< 6 months	
6-11 months	
1-2 years	
3-5 years	
6-17 years	
18-29 years	▼

Sex

All Genders	▲
Female	
Male	
Unknown	▼

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Step 5: Select other event characteristics

- This step allows you to select characteristics of the adverse event you're interested in. If you don't select anything, the search will default to all adverse events.

5. Select other event characteristics:

Send Help

Event Category

- All Events
- Death
- Life Threatening
- Permanent Disability
- Congenital Anomaly / Birth Defect *
- Hospitalized
- Existing Hospitalization Prolonged
- Emergency Room / Office Visit **
- Emergency Room *
- Office Visit *
- None of the above

* VAERS 2.0 Report Form Only

** VAERS-1 Report Form Only

Onset Interval

- All Days
- 0 days
- 1 day
- 2 days
- 3 days
- 4 days
- 5 days
- 6 days
- 7 days
- 8 days
- 9 days
- 10-14 days
- 15-30 days
- 31-60 days
- 61-120 days
- Over 120 days
- Unknown

VAERS ID

Enter full or partial VAERS IDs, one per line. Leave empty for all events.

Recovered

- All Events
- No
- Yes
- Unknown
- Missing

Serious

- All Events
- Yes
- No

Days In Hospital

- All Days
- None
- < 24 hrs
- 1 day
- 2 days
- 3 days
- 4 days
- 5 days
- 6 days
- 7 days
- 8 days
- 9 days
- 10-14 days
- 15-30 days
- 31-60 days
- 61-120 days
- Over 120 days
- Unknown

Mfr/Imm Project Number

Enter Mfr / Immun project reports, one per line, maximum 25 characters each. Leave empty for all reports.

Vaccine Administered By

- All Entities
- Public
- Private
- Other
- Military
- Work *
- Pharmacy *
- Senior Living *
- School *
- Unknown

* VAERS 2.0 Report Form Only

Report Form Version

- All Events
- VAERS-1
- VAERS 2.0

Vaccine Purchased By

- All Entities
- Public **
- Private **
- Other **
- Military **
- Unknown **
- Not Applicable *

* VAERS 2.0 Report Form Only

** VAERS-1 Report Form Only

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Step 6: Search text fields

- In this step, you can search for exact words that appear in each section of the VAERS report.

6. Search text fields: [Help](#)

Limit results to events with words or phrases in any of these text fields.

Enter one or more words per line to find events with **all** words found in line.

<p><u>Adverse Event Description</u></p> <div style="border: 1px solid #ccc; height: 80px; width: 100%;"></div>	<p><u>Lab Data</u></p> <div style="border: 1px solid #ccc; height: 80px; width: 100%;"></div>	<p><u>Current Illness</u></p> <div style="border: 1px solid #ccc; height: 80px; width: 100%;"></div>
<p><u>Adverse Events After Prior Vaccinations</u></p> <div style="border: 1px solid #ccc; height: 80px; width: 100%;"></div>	<p><u>Medications At Time Of Vaccination</u></p> <div style="border: 1px solid #ccc; height: 80px; width: 100%;"></div>	<p><u>History/Allergies</u></p> <div style="border: 1px solid #ccc; height: 80px; width: 100%;"></div>

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Step 7: Select report completed dates

- This step allows you to search for specific date a VAERS report was completed. If you leave this blank, the search will default to all dates in VAERS, from 1990 to the present.

7. Select report completed dates:

Send

[Help](#)

NOTE: Any selections made in this section will limit the results to only those records with the selected dates. If you wish to limit your results to specific dates but also want records with an unknown date included, then click the Aggregate Dates button, make your date selections, and include the "Unknown Date" category in your selections.

Click a button to choose reported dates by a range or aggregate dates.

Date Range Aggregate Dates

Date Report Completed

From: (Start: Before 1990)

Until: (End: Mar., 2021)

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Step 8: Select report received dates

- This step allows you to search for specific dates that reports were received by VAERS.
- If you leave this blank, the search will default to all dates in VAERS.

8. Select report received dates:

Send

[Help](#)

NOTE: Any selections made in this section will limit the results to only those records with the selected dates.

Click a button to choose received dates by a range or aggregate dates.

Date Range Aggregate Dates

Date Report Received

From: Jul 1990 (Start: Jul., 1990)

Until: Mar 2021 (End: Mar., 2021)

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Step 9: Select vaccination dates

- This step allows you to search for specific dates when persons were vaccinated.
- If you leave this blank, the search will default to all dates in VAERS.

9. Select vaccination dates:

Send

[Help](#)

NOTE: Any selections made in this section will limit the results to only those records with the selected dates. If you wish to limit your results to specific dates but also want records with an unknown date included, then click the Aggregate Dates button, make your date selections, and include the "Unknown Date" category in your selections.

Click a button to choose vaccination dates by a range or aggregate dates.

Date Range Aggregate Dates

Date Vaccinated

From: (Start: Before 1980)
Until: (End: Mar., 2021)

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Step 10: Select adverse event onset dates

- This step allows you to search for specific dates when an adverse event occurred.
- If you leave this blank, the search will default to all dates in VAERS.

10. Select adverse event onset dates:

Send

[Help](#)

NOTE: Any selections made in this section will limit the results to only those records with the selected dates. If you wish to limit your results to specific dates but also want records with an unknown date included, then click the Aggregate Dates button, make your date selections, and include the "Unknown Date" category in your selections.

Click a button to choose onset dates by a range or aggregate dates.

Date Range Aggregate Dates

Date of Onset

From: (Start: Before 1980)

Until: (End: Mar., 2021)

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Step 11: Select death dates

- This step allows you to search for a specific date when a death was reported to have occurred.

11. Select death dates:

Send [Help](#)

NOTE: Any selections made in this section will limit the results to only those records with the selected dates. If you wish to limit your results to specific dates but also want records with an unknown date of death or no indication of death included, then click the Aggregate Dates button, make your date selections, and include the "Unknown Date" or the "No Death" category in your selections.

Click a button to choose death dates by a range or aggregate dates.

Date Range Aggregate Dates

Date Died

From: (Start: Before 1980)
Until: (End: Mar., 2021)

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Step 12: Other options

- This step allows you to choose how your results appear.

12. Other options:

Send [Help](#)

Export Results (Check box to download results to a file)
Show Totals
Show Zero Values
Precision decimal places
Data Access Timeout minutes

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Completing your search

- Press any of the **Send** buttons on the page. Your search results will appear on the screen.
- Used the scroll bar on the right side of the screen to view the full page of results.

11. Select death dates:

[Send](#)[Help](#)

NOTE: Any selections made in this section will limit the results to only those records with the selected dates. If you wish to limit your results to specific dates but also want records with an unknown date of death or no indication of death included, then click the Aggregate Dates button, make your date selections, and include the "Unknown Date" or the "No Death" category in your selections.

Click a button to choose death dates by a range or aggregate dates.

Date Range Aggregate Dates

Date Died

From: (Start: Before 1980)

Until: (End: Mar., 2021)

12. Other options:

[Send](#)[Help](#)

Export Results (Check box to download results to a file)

Show Totals

Show Zero Values

Precision decimal places

Data Access Timeout minutes

[Send](#)[Reset](#)