

CIIS Immunization Rates (County/Zip) Handout

Age Range:

-From and Through-

Together, these two input boxes allow you to determine the age range of patients to include in your report. You may select MONTHS or YEARS to be the unit of measurement (UOM). The From and Through entries are dependent upon the As Of Date Range described below.

As Of Date Range:

-From and Through-

These fields are directly related to the From and Through fields in the Age Range. They determine WHEN to look at a person's actual age to see if they should be included based on the Age Range entered above. These fields can, and often need to be, the SAME DATE in both the From and Through fields.

Compliance By:

These dates are used to determine the point in time to evaluate the patients' immunizations to see if they have satisfied the series or individual antigens selected in the Doses By Vaccine Series.

These fields are not always needed, if they are left blank, the As Of Date Range Through date will be used.

-Age-

This tells Web IZ to evaluate whether or not each patient has satisfied the series or dose requirements chosen when the patient is a specific age.

-Date-

This tells Web IZ to evaluate whether or not each patient has satisfied the series or dose requirements chosen by a specific date.

Exclude Patients with Less than 2 non- Influenza/H1N1 Vaccinations?

If you check this box, patients will not be included unless they have at least 2 vaccinations in the registry that are not influenza or H1N1 doses. This helps exclude patients who may only have their birth Hep B dose recorded.

County (Patient Address):

Immunization Rates by County/Zip Code Level will include all persons who have a selected county in their patient demographics screen. This field may be completed manually, through electronic data exchange, or updated automatically by Web IZ if there is enough information in the patient demographics screen to correctly deduce the patient's county of residence (zip code and city for example).

Zip Code (Patient Address):

All persons will be included who have a selected zip code in their patient demographics screen. You are not allowed to select a county AND a zip code. You are limited to one or the other. If a zip code is selected, it will include persons with that zip code regardless of any county information they may have.

Report Type:

-Appropriate Statistics Summary-

This report provides statistical information for the number of patients meeting (or not meeting) the indicated vaccine series. It will provide a series rate, and rates for each individual antigen included. It will also tell you how many patients were excluded due to them being inactive. The results will be displayed in two columns- Full Data Set (uses the Through As Of Date Range as the evaluation date, and if a Compliance By Age or Date is used then results will also be listed in the "Compliance Criteria Subset" column.

-Patients Not Properly Immunized-

This report is a listing of all patients who do not meet the indicated vaccine series. It will display each included patient's full immunization record along with pertinent demographic information.

Doses By Vaccine Series:

-Vaccine Series Dose Presets-

A drop down listing of some commonly used vaccine series for evaluation purposes. When a series is selected, Web IZ will automatically populate the individual antigens beneath with the appropriate number of doses. You are allowed to further modify these per individual antigen.

-Individual Antigen Boxes-

This area allows you to enter a custom series or single antigen along with the number of doses to be evaluated.

Examples of report parameters:

-NIS-
The National Immunization Survey (NIS) is the most commonly referenced source for statewide immunization rates. Unfortunately, the methodology of the NIS is very complex and cannot be replicated using our registry. Below is an example of parameters that may be used as a rough comparison to NIS child rates at the state level. You can expect the resulting rates to be lower than those reported in the NIS depending on the completeness of registry data in your county and because NIS counts shots while WebIZ counts only valid shots.

For a 2012 comparison of 19-35 month olds (NIS Child): Select the 4:3:1:3:3:1:4 Vaccine Series Dose Preset.

Age Range From: 19 Through: 35 UOM: MONTHS

As Of Date Range From: 01/01/2012 Through: 12/31/2012

Compliance By Age MONTHS Or Date

Exclude Patients with Less than 2 non- Influenza/H1N1 Vaccinations?

These parameters will include all patients who are between 19 and 35 months of age at any point in time during the 2011 calendar year. Each child will be evaluated for up to date status as of 12/31/2011. All doses received after 12/31/2011 will not be assessed. You could add a Compliance By Date after the As Of Date Range Through date. Remember the results will display the "Full Data Set" results (using the As Of Date Range Through date for evaluation) and the "Compliance Criteria Subset" which would assess the same group of kids as of the date or age entered in the Compliance By area.

For a 2012 comparison of 13-17 year olds (NIS Teen): Input 6 DTaP/Tdap, 1 Meningococcal, and 3 HPV.

Age Range From: 13 Through: 17 UOM: YEARS

As Of Date Range From: 01/01/2012 Through: 12/31/2012

Compliance By Age MONTHS Or Date

Exclude Patients with Less than 2 non- Influenza/H1N1 Vaccinations?

-Other common parameters-

2 year old rate: Select the series or individual antigens of interest.

Age Range From: 2 Through: 2 UOM: YEARS

As Of Date Range From: 01/01/2012 Through: 12/31/2012

Compliance By Age MONTHS Or Date

Exclude Patients with Less than 2 non- Influenza/H1N1 Vaccinations?

These parameters will select all children who turn two years of age at any point in the 2011 calendar year. It will evaluate each child as of their 2nd birthday (this will be the column labeled "Compliance Criteria Subset" in the results). It will also show you the results of the same cohort as of 12/31/2011 in the "Full Data Set" column.

How To Run the Immunization Rates Report In CIIS

Go to the CIIS Website at <https://ciis.state.co.us/ciis>

PROVIDER: IZ R US PROVIDER TYPE 3, CLINIC: IZ R US CLINIC



- Home
- Patients
- Immunizations
- Education
- IZ Quick Add
- Inventory
- Reports/Forms**
- Settings
- VTrackS Interface

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VFC Reports

Patients Aged Out of their VFC Eligibility Code
VFC Category Patient Count Report
VFC Vaccination History

Data Quality - User

Data Quality, Statistics - Scheduled (Beta Test)
Data Quality, Statistics (Beta Test)
Data Quality, Patient Exceptions (Beta Test)
Patients with Possible Duplicate Vaccinations
Possible Patient Duplicates
Shots Before Birth
User Vaccination Details
Vaccines Added but not Administered

Vaccine Order Management

Vaccine Shipment
Vaccine Order Status

Inventory Management - Vaccine

Daily Vaccinations Report
Inventory Adjustment Inquiry
Inventory On-Hand
Inventory Pending Transfers
Inventory Summary By Funding Source
Inventory Transaction Inquiry
Inventory Transfer Inquiry
Monthly Immunization Report (VFC and Other Public-Funded)
Possible Duplicate Inventory Report

CoCASA

Export Data for CoCASA

LPHA

Export Data for CoCASA (County/Zip Code Level)
Immunization Rates (County/Zip Code Level)
Patient Births (County/Zip Code Level)
Patient Reminder/Recall (County/Zip Code Level)
Patients with Vaccine Refusals (County/Zip Code Level)
Inventory On-Hand - CRA Medications
Inventory On-Hand - CRA Personal Protective Equipment
Inventory On-Hand - CRA Other

Step 1: To access the *Immunization Rates* report, click on the *Reports/Forms* link.

Step 2: Under the group of reports labeled "LPHA," click on the *Immunizations Rates (County/Zip Code Level)* link. Remember: Only Local Public Health Agencies have access to this report.

Note: If you are a provider, you can run a similar report in CIIS which is located under the *Coverage Statistics* report group.

Report Selection Criteria

County (Patient Address)

DENVER

Zip Code (Patient Address)

80201
80202
80203
80204
80205
80206
80207
80208
80209
80210

Note: hold the Ctrl key to select multiple items. Note: hold the Ctrl key to select multiple items.

Report Type

Appropriate Statistics Summary

Patients not Properly Immunized Detail

Doses By Vaccine Series

Vaccine Series Dose Presets

DTaP/Tdap	Hepatitis A	Hepatitis B	HIB
0	0	0	0
HPV	Influenza	Meningococcal	MMR
0	0	0	0
Pneumococcal	Polio	Rotavirus	Varicella
0	0	0	0

Age Range

From: 19 Through: 35 UOM: MONTHS

As Of Date Range

From: Through:

Compliance By Age Not always needed. Refer to Handout. Or Date

Exclude Patients with Less than 2 non- Influenza/H1N1 Vaccinations?

It is recommended you leave this box checked.

Step 7: Click "Run Report."

Run Report
Cancel

Step 3: Select the patient county or zip code.

Step 4: Select the report type by clicking inside the radio button.

Step 5: Select a predefined series by clicking on the drop-down box or build your own by clicking in the box(es) located under each vaccine.

Step 6: Select the "Age Range" and "As of Date Range."

Interpreting Results of the CIIS Immunization Rate Report

The validity of immunization rates calculated using registry data are dependent on the completeness of data in the registry. Per CDC guidelines, to use registry to estimate immunization rates in a geographic area, a minimum of 85% of providers must participate in the registry and 85% of patients must have records in the registry. The report calculates immunization coverage levels based on what information is present in the registry, if there are significant patients and immunizations missing, it will unduly impact the results and the immunization rates calculated may not accurately reflect the rates in your county.

The CIIS Immunization Rate Report can still be a valuable tool to provide a baseline measure to monitor immunizations and track coverage levels over time.

Immunization Goals and Statewide Measures:

- Healthy People 2020 Goals – target coverage rates for all age groups.
 - 19 – 35 months – most individual vaccine coverage rates $\geq 90\%$
 - Adolescents - most individual vaccine coverage rates $\geq 80\%$
 - <http://www.healthypeople.gov/2020/topicsobjectives2020/objectiveslist.aspx?topicId=23>

- National Immunization Survey (NIS): NIS-Child 19-35 month olds and NIS-Teen 13-17 year olds
 - Annual telephone survey sponsored by the Centers for Disease Control (CDC)
 - Reports out rates nationally, states and some cities.
 - Reports out rates for individual vaccines as well as series rates
 - NOTE: NIS includes any dose, not just valid doses, when assessing immunization status. The CIIS Immunization Rate Report only counts valid doses.
 - <http://www.cdc.gov/vaccines/stats-surv/imz-coverage.htm>

Caveat language: We recommend using the following disclaimer when reporting or publishing immunization coverage rates calculated from CIIS.

This is an estimated rate based on data reported to the Colorado Immunization Information System (CIIS). The accuracy of the rate is dependent on having complete immunization records in the registry. Areas with a high percentage of providers reporting immunizations to the registry and a high percentage of patient records in the registry will have more accurate estimated rates. Because most counties do not have all providers reporting, it is likely that the CIIS rates underestimate the actual county rate.

Contact Information

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