The AFIX Product

The Idaho Immunization Program conducts Assessment, Feedback, Incentives, and eXchange (AFIX) visits with at least 25% of enrolled providers each year. AFIX is a quality improvement program for enrolled health care providers. The goal of AFIX is to increase vaccination of children and adolescents with the Advisory Committee for Immunization Practices (ACIP) recommended vaccines by reducing missed opportunities to vaccinate and improving immunization delivery practices at the provider level.

One of the main components of the AFIX program is Assessment. Assessment involves generating data reports on the vaccination coverage levels of each provider and examining the effectiveness of a provider’s immunization delivery practices.

The AFIX Product was developed to allow an Immunization Information System (IIS), such as Idaho’s Immunization Reminder Information System (IRIS), to perform provider level immunization rate assessments.

The following information will guide you through how to use The AFIX Product to run an immunization assessment for your organization and generate other available reports.

IRIS users with Admin User (Provider), Admin User (Public Health), Standard User, and Reports Only roles will have access to The AFIX Product in IRIS. To navigate to The AFIX Product from IRIS, after you log in to IRIS, go to the Reports section on the left-hand side of the screen and click the link for afix product.

The AFIX Product home page will open to the AFIX Cohort, which is the default landing page.

Figure: 1.1 The AFIX Product home page
The outline of the AFIX Cohort menu item will be highlighted to indicate the current selection from the menu panel as shown below:

![AFIX Cohort Menu Panel](image)

**Figure: 1.2 Left menu panel of The AFIX Product**

AFIX Cohort

There are two separate AFIX cohort assessments: Childhood (24 through 35 months of age) and Adolescent (13 through 17 years of age). The assessment pages are constructed using specific rules pertaining to the different cohorts to determine the target birth date ranges and corresponding vaccine group measures.

Childhood Cohort Assessment and Missed Opportunities Report displays the coverage results for the childhood AFIX assessment measures for patients aged 24 through 35 months. The Up-to-Date (UTD) percentages for each measure are represented on the graph and presented in a table. The report also displays a separate table indicating the missed opportunities. A missed opportunity, based on the last immunization visit, is when a patient visits a provider for immunizations and receives at least one vaccine, but did not receive all the vaccines that were due at the time of that visit. The report also shows the numerator and denominator information assessed. Healthy People 2020 goals are indicated on the graph for comparative analysis and clinic goal setting.

Adolescent Cohort Assessment and Missed Opportunities Report displays the coverage results for the childhood AFIX assessment measures for patients aged 13 through 17 years. The UTD percentages for each measure are represented on the graph and presented in a table. The report also displays a table indicating the missed opportunities. A missed opportunity, based on the last immunization visit, is when a patient visits a provider for immunizations and receives at least one vaccine, but did not receive all the vaccines that were due at the time of that visit. The report also shows the numerator and denominator information assessed. Healthy People 2020 goals are indicated on the graph for comparative analysis and clinic goal setting.

**Provider:**

The first step on the AFIX Cohort page is to select the organization for which the assessment will be performed. Most users will see a single IRIS organization listed after **Provider:** and you can proceed to fill in the rest of the criteria needed for the report (skip to Type). If you have access to more than one organization, the organization name will need to be filled in and then you can proceed to fill in the rest of the criteria.
If you are an authorized user with access to more than one organization, the *Select Provider* button will display on the top right of the screen. Click the button to navigate to the *Select Provider* search page.

The *Select Provider* screen will open.

A provider search can be initiated using one of the following options:
- By entering the full or partial name your organization (provider name), or
- By entering your organization’s VFC Pin number.

After entering search criteria, click the *Search* button.

Note: You may choose to *Clear* the screen to enter a different option for the search.
The AFIX Product

Clicking the **Search** button will display a list of organizations that meet the criteria based on your user access.

The provider list will display the following columns:

- Provider Name
- Address, City, Zip
- County
- VFC Pin
- IIS ID
- Childhood Coverage %
- Adolescent Coverage %

If an organization has not participated in an AFIX visit with the IIP since the implementation of the AFIX Product, then the coverage rate values may be blank.

It is possible to sort the list based on the values for Provider Name; Address, City, Zip; County; VFC Pin number; IIS ID; and coverage percentages by clicking on the corresponding labels. You can also navigate using the *previous*, *page number*, and *next* buttons displayed on the bottom left of the window.

After an organization is found, click the corresponding radio button to the left of the page and click the **Select** button to return to the AFIX Cohort page where the selected organization and the Provider name field will be filled in on the page. You also have the option to leave the Provider Selection page without selecting an organization by clicking the **Exit** button, which will return the user to the AFIX Cohort Page.

**Figure: 1.6 Provider Selection**
Type:
In the next section the Type of assessment is selected.
First, indicate the type of Assessment by selecting *Childhood* or *Adolescent* from the drop-down list.
The measures for the Childhood and Adolescent assessment are as follows:

**Childhood Measures**
- 4 DTaP
- 3 Polio
- 1 MMR
- Hib UTD
- Hep B UTD
- 1 VAR
- PCV UTD
- RV UTD
- 1 Flu
- 2 Hep A

*4:3:1:3:3:1:4 Series*

**Adolescent Measures**
- 1 Flu
- Hep A UTD
- Hep B UTD
- 1 HPV
- HPV UTD
- MCV UTD
- 2 MMR
- Polio UTD
- 1 Tdap
- 2 VAR

*4 DTaP, 3 Polio, 1 MMR, 3 Hib, 3 Hep B, 1 Var, 4 PCV*
Upon selection of the Type, the specific assessment measures will be displayed to the right of the selection box. This will provide the corresponding age range and the vaccine group measures for the assessment.

**Figure: 1.9 Childhood Assessment**

<table>
<thead>
<tr>
<th>Type: Childhood</th>
<th>Childhood Cohort Assessment Criteria</th>
</tr>
</thead>
<tbody>
<tr>
<td>Age Range: 24-35 Months</td>
<td>1 MMR 4 DTaP 3 Polio</td>
</tr>
<tr>
<td>Hib UTD</td>
<td>HepB UTD</td>
</tr>
<tr>
<td>PCV UTD</td>
<td>RV UTD</td>
</tr>
<tr>
<td>2 HepA</td>
<td>4:3:1:3:1:4</td>
</tr>
</tbody>
</table>

**Figure: 1.10 Adolescent Assessment**

<table>
<thead>
<tr>
<th>Type: Adolescent</th>
<th>Adolescent Cohort Assessment Criteria</th>
</tr>
</thead>
<tbody>
<tr>
<td>Age Range: 13-17 years</td>
<td>1 Tdap 2 MMR 2 VAR</td>
</tr>
<tr>
<td>1 Flu</td>
<td>HepA UTD</td>
</tr>
<tr>
<td>1 HPV</td>
<td>HPV UTD</td>
</tr>
<tr>
<td>1 VAR</td>
<td>MCV UTD</td>
</tr>
<tr>
<td>PCV UTD</td>
<td>Polio UTD</td>
</tr>
</tbody>
</table>

**As of Date:**
The next selection is the *As of Date*, which defaults to today's date. You may specify a different date by entering with the format mm/dd/yyyy, or by using the *As of Date Selection* calendar, which is viewable by clicking in the *As of Date* field.

**Figure: 1.11 As of Date Selection**

As of Date: 12/31/2017

Birth Date Range From:

Reports:
Birth Date Range:

Based on the value selected for the As of Date field, the system will auto-populate the birth date range that falls within the appropriate age range for the selected Childhood or Adolescent assessment.

*Note: Birthdate range is not editable; if a change is needed for the auto populated dates the user must adjust the As of Date and or the Assessment Type to get the required range. The birth date range for the assessment cohort will be calculated based on the age of the cohort as of the specified date. The start of the birthdate range is determined by subtracting ‘To’ age + 1 (Month/Year) from the As of Date and advancing one day. The end date of the birthdate range is determined by subtracting the “From” (Month/Year) age from the As of Date. Children that have come of age after the “As of Date” will be excluded from the assessment cohort.

Examples:

A Childhood Cohort Assessment (24-35 months) with an As of Date of 12/31/2013, will have a cohort birth date range between 01/01/2011 to 12/31/2011.

An Adolescent Cohort Assessment (13-17 Years) with an As of Date of 12/31/2014, will have a cohort birth date range between 01/01/1997 to 12/31/2001. Adolescents that have come of age after the As of Date will be excluded from the assessment cohort.

![Figure: 1.12 Auto populated Birth Date Range for Childhood Assessment with an As of Date of 12/31/2017](image)

Reports:

The final step in creating the assessment is to choose the reports requested for the AFIX Cohort. The four available options are:

- Assessment
- Patient Listing
- Assessment and Patient Listing
- Provider Report Card
Assessment: generates a report with the specified immunization assessment criteria (see example, Appendix A). For childhood assessments, the patient compliance with the specified AFIX measurements is assessed at 24 months (2nd birthday).

For adolescent assessments, the patient compliance with the specified measurements is assessed on the date of assessment.

The assessment report will represent, in both graphical and tabular format, the coverage percentages for the selected organization. Additional details indicating the numerator and denominator for each measure will also be provided in the report.

Missed opportunities are also generated. For the AFIX assessment, missed opportunities are calculated based on the last immunization visit. A missed opportunity is identified as a vaccination that was due at the time of the last immunization visit but was not administered by the organization with other immunizations that were due.

Patient Listing: generates a report that lists the patients assessed. The report will provide information on whether the patients listed were considered up-to-date for the measures assessed for the specific childhood or adolescent cohort measures (Y or N) (see example, Appendix B).

Assessment and Patient Listing: generates both the Assessment and Patient Listing reports listed above.

Provider Report Card: generates an immunization rate report for the organization. Both Idaho National Immunization Survey (NIS) rates and Healthy People 2020 immunization goals are also listed (see example, Appendix C).

Select the radio button to the left of either the Assessment, Patient Listing, Assessment and Patient Listing, or Provider Report Card.

When all the required criteria have been entered, click Submit.
After the *Submit* button is clicked, a message will display at the top of the page to indicate that the job has been scheduled successfully, displaying the Job ID number associated with the scheduled job.

**Figure: 1.15 Job Submitted Successfully**

![Success! The Following job is successfully added to the Scheduler for Job ID= 10243](image)

At any time during the criteria selection process if you proceed to navigate out of the page, you will be prompted with a warning message prompting you to confirm your departure from the page. You can continue to make the selections by clicking *OK* or choose *Cancel* to navigate away from the page.

**Figure: 1.16 Confirmation Message**

![Confirmation Message](image)

**Flexible Cohort**

In addition to the age specific childhood and adolescent assessments on the *AFIX Cohort* page, The AFIX Product also provides a custom assessment by using the *Flexible Cohort* page.

To schedule a Flexible Cohort assessment, click the *Flexible Cohort* from the left menu tab.

**Figure: 2.1 Left tab menu options**

<table>
<thead>
<tr>
<th>Menu Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFIX Cohort</td>
</tr>
<tr>
<td>Flexible Cohort</td>
</tr>
<tr>
<td>List of Scheduled Jobs</td>
</tr>
<tr>
<td>System Monitor</td>
</tr>
<tr>
<td>Master Rate Report</td>
</tr>
</tbody>
</table>
The AFIX Product

Provider:
The first step on the Flexible Cohort page is to select the organization for which the assessment will be performed. Most users will see a single IRIS organization listed after Provider: and you can proceed to fill in the rest of the criteria needed for the report (skip to As of Date below). If you have access to more than one organization, the organization name will need to be filled in and then you can proceed to fill in the rest of the criteria.

Figure: 2.2 Single Provider Access

![Figure: 2.2 Single Provider Access](image)

Provider: 003 - WESTERN RUSSET FAMILY CARE CLINIC

If you are an authorized user with multiple organizations, the Select Provider button will display on the top right of the screen. Click the button to navigate to the Select Provider search page.

Figure: 2.3 Selecting a Provider

![Figure: 2.3 Selecting a Provider](image)

The Select Provider screen will open.

Figure: 2.4 Select Provider options

![Figure: 2.4 Select Provider options](image)
A provider search can be initiated using one of the following options:

- By entering the full or partial name of your organization (provider name), or
- By entering your organization’s VFC Pin number.

After entering search criteria, click the Search button.

Note: You may choose to Clear the screen to enter a different option for the search.

Clicking the Search button will display a list of organizations that meet the criteria based on your user access. The provider list will display the following columns:

- Provider Name
- Address, City, Zip
- County
- VFC Pin
- IIS ID
- Childhood Coverage %
- Adolescent Coverage %

If an organization has not participated in an AFIX visit with the IIP since the implementation of the AFIX Product, then the coverage rate values may be blank.

It is possible to sort the list based on the values for Provider Name; Address, City, Zip; County; VFC Pin number; IIS ID; and coverage percentages by clicking on the corresponding labels. You can also navigate using the previous, page number, and next buttons displayed on the bottom left of the window.

After an organization is found, click the corresponding radio button to the left of the page and click the Select button to return to the AFIX Cohort page where the selected organization and the Provider name field will be filled in on the page.

You also have the option to leave the Provider Selection page without selecting an organization by clicking the Exit button, which will return the user to the AFIX Cohort Page.
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Figure: 2.5 Provider Selection

Select Provider

Provider Name: Western

Provider Selection

003 - WESTERN RUSSET FAMILY CARE CLINIC

Address: 450 W State Street
City, Zip: Boise 83702

County: Ada
VFC Peds: 003
RS Id: 1033

Select Provider

Figure: 2.6 Selected Provider

Provider: 003 - WESTERN RUSSET FAMILY CARE CLINIC

Select Provider
The AFIX Product

As of Date:
The As of Date determines the age range parameters for the selection of the cohort for assessment.
The default display for the date will be the current date. Enter the assessment date in the field, either by typing or by using the calendar option.

Figure: 2.7 Selecting the As of Date

Based on the value selected for the As of Date, the system will auto-populate the birth date range that falls within the age range for the selected cohort assessment.

Age Range and Birth Date Range:
Proceed to select the age range to be assessed. Age range input boxes accept only numeric characters, with the exception of zero (0). Continue the selection using the drop down to indicate Months or Years. Based on the value selected for the As of Date field, the system will auto-populate the birth date range.

*Note: Birthdate range is non-editable; if a change is needed for the auto-populated dates the user must adjust the As of Date. The start date of the birthdate range is determined by subtracting ‘To’ age + 1 (Month/Year) from the As of Date and advancing one day. The end date of the birthdate range is determined by subtracting the ‘From’ age (Month/Year) from the As of Date. If the As of Date is 05/31/2017 and the ‘From’ = 16 Years, ‘To’ = 18 Years - the birthdate range for the selected cohort is: 06/01/1998 – 05/31/2001.
In The AFIX Product all date fields will reflect the server time on the Job List which will impact the As of Date. For example, the IRIS server time is in the Eastern time zone and the user is in Mountain time zone. If the user creates a job at 22:30 hours, then the As of Date on the database will be one day later than the date showing on the screen.

**Vaccine Group Selection and Dose Count:**
Currently, the *Flexible Cohort* page allows the selection of a vaccine group from the following:

- Adeno
- Anthrax
- BCG
- Cholera
- DTaP
- Encephalitis
- Flu
- H1N1 Flu
- Hep E
- Hep A
- Hep B
- Hep C
- Hib
- HPV
- H5N1 Flu
- Japanese

Select the vaccine group from the drop-down box, enter the corresponding dose number needed for the assessment, and click the ‘+’ sign to add the selected vaccine to the list. To add multiple vaccine group selections, repeat the vaccine group, dose count selection and click the ‘+’ sign.
If you need to remove a vaccine from the Vaccine Group, then click the “X” at the end of the line. If you need to change the Dose Count, then click the pencil at the end of the line to edit. When the edit screen opens, enter the correct dose count and click Save.

**Reports:**
You have the flexibility to run the Assessment, Patient Listing, or Assessment and Patient Listing (see AFIX Cohort section for report details). The Provider Report Card is not yet available with the Flexible Cohort.
Select the radio button to the left of either the Assessment, Patient Listing, or Assessment and Patient Listing. When all the required criteria have been entered, click Submit.

**Figure: 2.11 Scheduling the job**

<table>
<thead>
<tr>
<th>Reports:</th>
</tr>
</thead>
<tbody>
<tr>
<td>○ Assessment</td>
</tr>
<tr>
<td>○ Patient Listing</td>
</tr>
<tr>
<td>☑ Assessment &amp; Patient Listing</td>
</tr>
</tbody>
</table>

After the Submit button is clicked, a message will display at the top of the page to indicate that the job has been scheduled successfully, displaying the Job ID number associated with the scheduled job.

**Figure: 2.12 Job Submitted Successfully**

Success! The Following job is successfully added to the Scheduler for Job ID= 10247

If you choose to change the previous selections or run a new assessment, then you must click the Clear button to specify a new set of criteria.

**Figure: 2.13 Clear Button**
List of Scheduled Jobs

The List of Scheduled Jobs displays a listing of all jobs submitted by users from both the AFIX and Flexible Cohort pages. The selected tab is highlighted to indicate that this is currently the active section of The AFIX Product.

Figure: 3.1 List of Scheduled Jobs

The default display is for jobs submitted within a month, but the functionality exists on the page to search jobs by providing date ranges.

Figure: 3.2 List of Scheduled Jobs Display Page

The page displays the following job details:

- **Job ID**: ID created when the job was submitted.
- **User ID**: The login ID of the person who submitted the job.
- **Provider**: The name of the organization that is being assessed.
- **Submitted On**: The date of job submission.
- **As of Date**: The date that determines the cohort birth date range.
- **Job Type**: Childhood/Adolescent/Flexible.
- **Report Type**: Assessment/Patient Listing/Assessment and Patient Listing/Provider Report Card (for AFIX Cohort).
- **Status**
  - **Job Scheduled**: The job is submitted by user and is waiting for processing to begin.
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- **In-Progress**: The file is received, and the job is in process to generate reports.
- **Error**: A job failed. Please contact the IRIS Help desk at IRIS@dhw.idaho.gov with the Job ID to report a job status error.
- **Ready for Download**: The job has completed successfully, and the reports are available for viewing/downloading.
- **No Record Received**: An existing organization or a new organization has no patients available for a given birth date range. The extract process completed, but either no file is placed in the designated folder or a Zero Byte size file is placed in designated folder.
- **IIS Extract Error**: A job failed. Please contact the IRIS Help desk at IRIS@dhw.idaho.gov with the Job ID to report a job status error.

### Reports

- Assessment information may be displayed/downloaded in two forms: either a .pdf or an Excel spreadsheet.

**Figure: 3.2 Reports Ready for Download**

The jobs listing page can be sorted by the Job ID, User, Provider, Submitted On, As of Date, Job Type, Report Type, and Sent to CDC columns. As the column labels are clicked, the sort order is represented with an up/down arrow to indicate the ascending/descending sort order.

Additional information is available on a pop-up window by clicking the Job ID. The pop-up displays the Job ID, User ID, Provider Name, Job Type, As of Date, Birth date Range (From and To), Report Type, Submitted On, Status, and Sent to CDC information along with the vaccine group measures associated with the scheduled Assessment.
Figure: 3.3 Job details pop up display

<table>
<thead>
<tr>
<th>AFIX Job Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Job id:</strong></td>
</tr>
<tr>
<td><strong>User ID:</strong></td>
</tr>
<tr>
<td><strong>Provider Name:</strong></td>
</tr>
<tr>
<td><strong>Job Type:</strong></td>
</tr>
<tr>
<td><strong>As of date:</strong></td>
</tr>
<tr>
<td><strong>Birthdate Range - from:</strong></td>
</tr>
<tr>
<td><strong>Report Type:</strong></td>
</tr>
<tr>
<td><strong>Submitted On:</strong></td>
</tr>
<tr>
<td><strong>Status:</strong></td>
</tr>
<tr>
<td><strong>Sent to CDC:</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Vaccine Group</th>
<th>Dose Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>DTaP</td>
<td>4</td>
</tr>
<tr>
<td>Polio</td>
<td>3</td>
</tr>
<tr>
<td>MMR</td>
<td>1</td>
</tr>
<tr>
<td>HIB</td>
<td>UTD</td>
</tr>
<tr>
<td>HepB</td>
<td>UTD</td>
</tr>
<tr>
<td>VAR</td>
<td>1</td>
</tr>
<tr>
<td>PCV</td>
<td>UTD</td>
</tr>
<tr>
<td>RV</td>
<td>UTD</td>
</tr>
<tr>
<td>Flu</td>
<td>1</td>
</tr>
<tr>
<td>HepA</td>
<td>1</td>
</tr>
</tbody>
</table>

**Technical Assistance:**
For assistance with The AFIX Product contact the Idaho Immunization Program at (208) 334-5931 or IIP@dhw.idaho.gov.
Appendix

Glossary and Acronyms:

4:3:1:3:3:1:4: Primary vaccination series for children, comprised of 4 DTaP, 3 Polio, 1 MMR, 3 Hib, 3 Hep B, 1 VAR and 4 PCV. For AFIX coverage purposes, Up to Date logic will be applied to the component measures of Hib, Hep B and PCV where a variable number of doses can be applied to achieve protection based on date of first dose and/or vaccine product licensures.

AFIX: Assessment, Feedback, Incentive, and eXchange is a quality improvement program for health care providers enrolled with the federal VFC program. The goal of AFIX is to increase vaccination of children and adolescents with the Advisory Committee for Immunization Practices (ACIP) recommended vaccines by reducing missed opportunities to vaccinate and improving immunization delivery practices at the provider level.

As of Date: Determines the birthdate age ranges for the cohorts. Individuals who have come of age after the As of Date will be excluded from the report.

CDC: Centers for Disease Control and Prevention

Cohort: Part of the population within a jurisdiction or an active patient to a provider/facility/organization.

HP2020: Healthy People 2020 is a set of science-based public health goals established by the U.S. Department of Health and Human Services.

IIS ID: Immunization Information System Organization Number

Missed Opportunity: A missed opportunity is when a patient visits a provider for services and is due for one or more vaccinations and did not receive all the vaccines that were currently due at the time of that visit.

NIS: National Immunization Survey

VFC: Vaccines for Children Program
APPENDIX A: Childhood Cohort Assessment and Missed Opportunities Report

Childhood Cohort Assessment and Missed Opportunities Report

<table>
<thead>
<tr>
<th>Vaccine Group</th>
<th>4 DTaP</th>
<th>3 Polio</th>
<th>1 MMR</th>
<th>Hib**</th>
<th>HepB**</th>
<th>1 Var</th>
<th>PCV**</th>
<th>RV**</th>
<th>1 Flu</th>
<th>2 HepA</th>
<th>4:3:1:3:3:1:4**</th>
</tr>
</thead>
<tbody>
<tr>
<td>UTD %</td>
<td>83%</td>
<td>92%</td>
<td>93%</td>
<td>92%</td>
<td>92%</td>
<td>92%</td>
<td>67%</td>
<td>56%</td>
<td>42%</td>
<td>33%</td>
<td></td>
</tr>
<tr>
<td>UTD Numerator</td>
<td>10</td>
<td>11</td>
<td>10</td>
<td>11</td>
<td>11</td>
<td>11</td>
<td>8</td>
<td>7</td>
<td>5</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>HP 2020 %</td>
<td>90%</td>
<td>90%</td>
<td>90%</td>
<td>90%</td>
<td>90%</td>
<td>90%</td>
<td>60%</td>
<td>80%</td>
<td>85%</td>
<td>90%</td>
<td></td>
</tr>
</tbody>
</table>

Missed Opps %

<table>
<thead>
<tr>
<th>Vaccine Group</th>
<th>Missed Opps</th>
<th>4 DTaP</th>
<th>3 Polio</th>
<th>1 MMR</th>
<th>Hib**</th>
<th>HepB**</th>
<th>1 Var</th>
<th>PCV**</th>
<th>RV**</th>
<th>1 Flu</th>
<th>2 HepA</th>
<th>4:3:1:3:3:1:4**</th>
</tr>
</thead>
<tbody>
<tr>
<td>Missed Opps</td>
<td>0%</td>
<td>0%</td>
<td>0%</td>
<td>0%</td>
<td>8%</td>
<td>0%</td>
<td>0%</td>
<td>0%</td>
<td>0%</td>
<td>0%</td>
<td>2%</td>
<td></td>
</tr>
<tr>
<td>Numerator</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>

* Series 4:3:1:3:3:1:4
APPENDIX B: Childhood Cohort Patient Listing Report

**Childhood Cohort Assessment Patient Listing**

<table>
<thead>
<tr>
<th>Report Run Date:</th>
<th>03/25/2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>VFC PIN:</td>
<td>003</td>
</tr>
<tr>
<td>Provider Name:</td>
<td>003 - WESTERN RUSSET FAMILY CARE CLINIC</td>
</tr>
<tr>
<td>Number of Active Clients:</td>
<td>1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Job ID:</th>
<th>10244</th>
</tr>
</thead>
<tbody>
<tr>
<td>As of Date:</td>
<td>12/31/2017</td>
</tr>
<tr>
<td>Age Range:</td>
<td>24 - 35 Months</td>
</tr>
<tr>
<td>Birth Date Range:</td>
<td>01/01/2015 - 12/31/2015</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Last Name</th>
<th>First Name</th>
<th>Date Of Birth</th>
<th>IIS Patient ID</th>
<th>Chart #</th>
<th>UTD</th>
</tr>
</thead>
<tbody>
<tr>
<td>TEST</td>
<td>OTHER</td>
<td>08/16/2015</td>
<td>1203333</td>
<td></td>
<td>N</td>
</tr>
</tbody>
</table>
# APPENDIX C: Childhood Provider Report Card with NIS

## Childhood Immunization Coverage Rates

<table>
<thead>
<tr>
<th>Vaccine Group</th>
<th>Up to Date</th>
<th>ID</th>
<th>HP 2020*</th>
<th>Recommended Doses</th>
</tr>
</thead>
<tbody>
<tr>
<td>DTaP</td>
<td>10</td>
<td>83%</td>
<td>81%</td>
<td>90%</td>
</tr>
<tr>
<td>Polio</td>
<td>11</td>
<td>92%</td>
<td>89%</td>
<td>90%</td>
</tr>
<tr>
<td>MMR</td>
<td>10</td>
<td>83%</td>
<td>91%</td>
<td>90%</td>
</tr>
<tr>
<td>Hib</td>
<td>11</td>
<td>92%</td>
<td>88%</td>
<td>90%</td>
</tr>
<tr>
<td>Hep B</td>
<td>11</td>
<td>92%</td>
<td>90%</td>
<td>90%</td>
</tr>
<tr>
<td>Var</td>
<td>11</td>
<td>92%</td>
<td>89%</td>
<td>90%</td>
</tr>
<tr>
<td>PCV</td>
<td>11</td>
<td>92%</td>
<td>84%</td>
<td>90%</td>
</tr>
<tr>
<td>RV</td>
<td>8</td>
<td>67%</td>
<td>75%</td>
<td>80%</td>
</tr>
<tr>
<td>Flu</td>
<td>7</td>
<td>58%</td>
<td>54%</td>
<td>80%</td>
</tr>
<tr>
<td>Hep A</td>
<td>5</td>
<td>42%</td>
<td>59%</td>
<td>85%</td>
</tr>
<tr>
<td>4:3:13:3:14 Series***</td>
<td>10</td>
<td>83%</td>
<td>72%</td>
<td>80%</td>
</tr>
</tbody>
</table>

*Healthy People 2020 is a set of science-based public health goals established by the U.S. Department of Health and Human Services.

**UTD refers to vaccine measurements where a variable number of doses can be applied to achieve protection based on patient age, date of first dose, and/or vaccine product nuances.

***A series rate is calculated when there is no single antigen rate because this is a measure of the number of children who received all doses of the included antigens. It is not an average of the single antigen rates.

![UTD % Graph](image_url)