

# Kansas WIC Breastfeeding Data Guide

These instructions will help ensure that breastfeeding data is reported consistently throughout the state. This guide can also be used to track and analyze breastfeeding data that can be extracted from KWIC.

## Table of Contents

<b>Kansas Annual Summary of Vital Statistics (Birth Certificate)</b> .....	<b>2</b>
<b>KWIC Breastfeeding Guided Ad Hoc Report</b> .....	<b>3</b>
<b>Initiation Rates</b> .....	<b>5</b>
<b>Exclusivity Rates</b> .....	<b>6</b>
<b>Additional Parameters</b> .....	<b>7</b>
<b>Stopped BF Report</b> .....	<b>10</b>
<b>Duration Report</b> .....	<b>12</b>
<b>Example 1: Duration Through Six Months</b> .....	<b>13</b>
<b>Incidence Report</b> .....	<b>14</b>
<b>Client Detail Report</b> .....	<b>15</b>
<b>Example 2: Exclusive Breastfeeding</b> .....	<b>16</b>

Please contact the State Agency Breastfeeding Coordinator with questions.

# Kansas WIC Breastfeeding Data Guide

## Kansas Annual Summary of Vital Statistics (Birth Certificate)

1. Visit the [Public Health Informatics](#) page. Scroll down to “Annual Summary Full Report” and select the most current available year. The data are two years old (i.e. in 2019, 2017 data is the most current.)
2. Open the Annual Summary Full Report and locate the Table titled, “Live Births by County of Residence and Peer Group by Initiation of Breastfeeding.”
3. The value in green under **Initiated Breastfeeding** is reported, which is the percent of infants born that initiated breastfeeding in that year. **Live Births** is also reported.

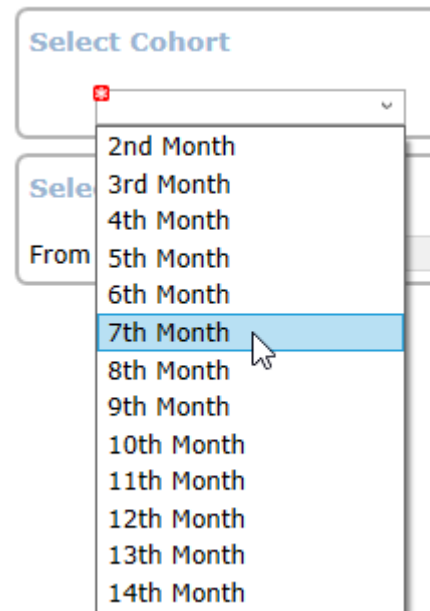
Table C16  
Live Births by County of Residence and Peer Group\*  
by Initiation of Breastfeeding†  
Kansas, 2017

County of Residence	Live Births	Initiated Breastfeeding		Did Not Initiate Breastfeeding		n.s. ‡
		Number	Percent	Number	Percent	
Kansas	36,464	32,162	88.5	4,169	11.5	133

# Kansas WIC Breastfeeding Data Guide

## KWIC Breastfeeding Guided Ad Hoc Report

1. For LA Staff: From WIC Client Services, select **Reports**. From the **Reports** dropdown, select **Breastfeeding Guided Ad Hoc Report**.
2. For SA Staff: From WIC Central Office, select **BF Reports**. From the **Reports** dropdown, select **Breastfeeding Guided Ad Hoc Report**.
3. Select your **Agency** or **Clinic** from the **Report Criteria** (the custom reports are only available to the SA.)
4. Select a **Cohort**. Selecting a cohort means that you will be asking for data for all babies turning that age for the report period you select. Typically, a 7<sup>th</sup> Month cohort is selected, then data will be extracted for all babies turning 7 months old during the Report Period you select.
5. Select the **Report Period**. This is the time frame for which you want data extracted. A **From** date and a **To** date must be selected. The data are approximately one year old. Select the calendar year for which you are reporting. For example, in 2019, January 2018 to December 2018 (calendar year) will be reported.

A screenshot of a web application interface showing a form titled "Select Report Period". The form contains two dropdown menus: "From" and "to". The "From" dropdown is set to "January, 2018" and the "to" dropdown is set to "December, 2018".

## Kansas WIC Breastfeeding Data Guide

**NOTE:** Before July 2014, the Breastfeeding Ad Hoc Report data was only available for babies turning 7 months and 14 months old. The addition of new cohorts increased report options. However, if you wish to compare pre-2014 data to post-2014 data, you will need to use the 7<sup>th</sup> and 14<sup>th</sup> month cohorts. For initiation rates to compare to the State WIC rates and previous initiation rates be sure to select the 7<sup>th</sup> month cohort for a correct comparison. **7<sup>th</sup> month cohorts are best for determining exclusive breastfeeding rates through six months.**

6. Once Report Criteria, Cohort and Report Period have been accurately entered, select

**Review Parameters.**

7. Select **Generate.**

# Kansas WIC Breastfeeding Data Guide

## Initiation Rates

1. Select **Client Detail**.
2. Using the Client Detail window at the top of the screen, note the **Record Count** in **green** for All **BF Statuses**.

The screenshot shows a software interface with a navigation bar at the top containing tabs for 'Stopped BF', 'Duration', 'Incidence', and 'Client Detail'. The 'Client Detail' tab is active. Below the navigation bar, there are two sections: 'Client Detail' on the left and 'BF Status:' on the right. The 'Client Detail' section has 'Tree View' with 'Expand Tree' and 'Collapse Tree' (selected) options, and 'Client View' with 'Show All' (selected) and 'Match Only' options. The 'BF Status:' section has a grid of checkboxes: 'All' (checked), 'Exclusively', 'Mostly', 'Limited', 'Stopped', 'Ever', and 'Never'. A green box highlights the 'Record Count 14987' in the bottom right corner of the window.

3. In the **BF Status** window, select **Ever**.

This screenshot is similar to the previous one, but the 'BF Status:' section now has 'Ever' selected (checked) and 'All' unselected. The green box in the bottom right corner now highlights the 'Record Count 11440'.

4. Calculate the percentage of infants that initiated breastfeeding by dividing the Record Count from 3. by the Record Count from 2. The percent of infants who initiated breastfeeding is reported.

$$11,440 \text{ Breastfed Infants} / 14,987 \text{ Total Infants} * 100\% = 76.3\% \text{ Initiation}$$

**NOTE:** Initiation rates can also be found using the **Incidence** Report (page 14.) If using Client Detail to extract Exclusivity data, it may be easier to extract initiation at the same time.

Keep in mind, many agencies have small caseloads and populations. Therefore, percentages are less meaningful for comparison between counties and years. For example:

2018 County A: 5 Breastfed Infants / 10 Total Infants \* 100% = **50.0%**

2019 County A: 4 Breastfed Infants / 9 Total Infants \* 100% = **44.4%**

Even though it is a decrease of 5.6%, it is not very meaningful because of the limitations of a small sample size. Whereas, if a larger agency experienced a 5.6% decrease in breastfeeding rates, it would be substantial.

# Kansas WIC Breastfeeding Data Guide

## Exclusivity Rates

1. Select **Client Detail**.
2. Click the Client Detail window at the top of the screen.

The screenshot shows the top navigation tabs: Stopped BF, Duration, Incidence, and Client Detail. The Client Detail tab is selected and circled in red. Below the tabs is the Client Detail section with options for Tree View (Expand Tree, Collapse Tree) and Client View (Show All, Match Only). A Record Count of 76 is displayed. The Report Parameters section is expanded, showing Report Status Comparative Calculation with BF Status of 'Choose Items ...' from 'All' = 0.0 %.

3. Under **Report Status Comparative Calculation**, select BF Status of **Exclusive**. Note the %.

The screenshot shows the Client Detail window with the Report Parameters section expanded. The BF Status dropdown menu is open, showing options: Exclusive (checked), Limited, Mostly, Stopped, Ever, and Never. The percentage next to the dropdown is 14.5 %, which is circled in red. Below the dropdown is a table with columns: Clinic, Infant Name, Infant ID, BF Status, Mother, and Match. The Match column has 'X' values.

Clinic	Infant Name	Infant ID	BF Status	Mother	Match
					X
					X

# Kansas WIC Breastfeeding Data Guide

## Additional Parameters

1. From BF Ad Hoc Criteria, select **Risks**. Select the **Risk Factor(s)** from the list(s) that you wish to include in the report parameters.
2. Click the > arrow to add the risk factor(s) to **Selected Risk Factors**. Note: to remove risk factors from the Selected Risk Factors list, use the < arrow. If **Any** is selected, the report will include any selected risk factors. If **All** is selected, the report will only include clients that have all selected risk factors.

Report Criteria | Risks | Race/Ethnicity | Referrals (Has) | Referrals (To) | Age/Education | Review Parameters

Risks

**Infant/Child Risk Factors**

Available Risk Factors

- At Risk of Short Stature, Recumbent Length
- At Risk of Underweight, Weight/Length
- Breastfeeding Infant of Priority 1 Woman
- Breastfeeding Infant of Priority 4 Woman

**Prenatal Risk Factors**

Available Risk Factors

- Multifetal Gestation
- Oral Health Conditions
- Other Medical Conditions
- Overweight

**Postpartum Risk Factors**

Available Risk Factors

- Alcohol and/or Illegal Drug Use
- Assumed Risk for Women & Children over 2 yrs
- Breastfeeding Mother of Priority 2 Infant
- Depression

Any  All

Selected Risk Factors

Any  All

Selected Risk Factors

Any  All

Selected Risk Factors

\* List includes risk factors that were assigned to clients matching report criteria. Some risk factors may not be available for selection.

Close

Any  All

Selected Risk Factors

>

Alcohol and/or Illegal Drug Use

<

## Kansas WIC Breastfeeding Data Guide

3. From BF Ad Hoc Criteria, select **Race/Ethnicity**. Select **Race(s)** from the list(s) that you wish to include in the report parameters.
4. Click the > arrow to add the risk factor(s) to **Selected Races**. Note: to remove races from the Selected Races list, use the < arrow.

5. Select whether you would like the report to include **Any**

**Report Race or Primary Race**

**Only**. For example, if

Black/African American is



Any Reported Race  Primary Race Only

Selected Races

Black/African American

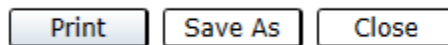
selected and Primary Race Only is selected, the report will not include clients whose primary race is something other than Black/African American.

6. Select **Ethnicity**. Choose from **Hispanic, Non-Hispanic** and **Include Either**.
7. From BF Ad Hoc Criteria, select **Referrals (Has)**. Select the **Referral(s)** from the list(s) that you wish to include in the report parameters. For example, if TANF is selected, the report will include clients that already have TANF.
8. Click the > arrow to add the referral(s) (Has) to **Selected Referrals (Has)**. Note: to remove Referrals (Has) from the Selected Referrals (Has) list, use the < arrow. If **Any** is selected, the report will include any selected Referrals (Has). If **All** is selected, the report will only include clients that have all selected Referrals (Has).
9. From BF Ad Hoc Criteria, select **Referrals (To)**. Select the **Referral(s)** from the list(s) that you wish to include in the report parameters. For example, if TANF is selected, the report will include clients that have been referred to TANF.



## Kansas WIC Breastfeeding Data Guide

10. Click the > arrow to add the referral(s) (To) to **Selected Referrals (To)**. Note: to remove Referrals (To) from the Selected Referrals (To) list, use the < arrow. If **Any** is selected, the report will include any selected Referrals (To). If **All** is selected, the report will only include clients that have all selected Referrals (To).
11. From BF Ad Hoc Criteria, select **Age/Education**. Select the **Age(s) and Education(s)** from the list(s) that you wish to include in the report parameters.
12. Click the > arrow to add the Age/Education to **Selected Age/Education**. Note: to remove Age/Education from the Selected Age/Education list, use the < arrow.
13. Select **Review Parameters**. Here, view all the selected parameters and edit as needed.
14. Once the parameters have been finalized, select **Generate**.
15. All reports can be **Printed** or **Saved As** an Excel file.



**NOTE:** To run a report without any parameters, select **Review Parameters** after **Report Criteria** has been completed. Select **Generate**.

# Kansas WIC Breastfeeding Data Guide

## Stopped BF Report

1. From BF Report #1, select **Stopped BF**.
2. The beginning of the report will always begin with Unknown, Never and 0 Weeks in the left column (**Week Breastfeeding Stopped**).

Number and Percent of Infants Breastfed								
Week Breastfeeding Stopped	Infant Matches Parameters		Not Matching Parameters		No Mother Data		Total	
	#	%*	#	%*	#	%*	#	%*
<b>Unknown</b>	7	0.9	0	0.0	0	0.0	7	0.9
PG Mother on WIC	6	0.8	0	0.0	0	0.0	6	0.8
Mother Not on WIC	1	0.1	0	0.0	0	0.0	1	0.1
Unknown	0	0.0	0	0.0	0	0.0	0	0.0
<b>Never</b>	158	20.4	0	0.0	0	0.0	158	20.4
PG Mother on WIC	115	14.9	0	0.0	0	0.0	115	14.9
Mother Not on WIC	42	5.4	0	0.0	0	0.0	42	5.4
Unknown	1	0.1	0	0.0	0	0.0	1	0.1
<b>0 Weeks (1-3 days)</b>	54	7.0	0	0.0	0	0.0	54	7.0
PG Mother on WIC	49	6.3	0	0.0	0	0.0	49	6.3
Mother Not on WIC	5	0.6	0	0.0	0	0.0	5	0.6
Unknown	0	0.0	0	0.0	0	0.0	0	0.0

\*At 0 Weeks (1-3 days) 7.0% of infants in the selected cohort stopped breastfeeding.

3. Depending on the cohort you select, the final page of the report will vary.
4. If 14 months is selected as the Cohort on Report Criteria, the report will show Week Breastfeeding Stopped, up to **12 Months**.
5. All reports can be **Printed** or **Saved As** an Excel file.

## Kansas WIC Breastfeeding Data Guide

Number and Percent of Infants Breastfed								
Week Breastfeeding Stopped	Infant Matches Parameters		Not Matching Parameters		No Mother Data		Total	
	#	%*	#	%*	#	%*	#	%*
<b>11 Months (302-336 days)</b>	<b>12</b>	<b>1.6</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>12</b>	<b>1.6</b>
PG Mother on WIC	10	1.3	0	0.0	0	0.0	10	1.3
Mother Not on WIC	2	0.3	0	0.0	0	0.0	2	0.3
Unknown	0	0.0	0	0.0	0	0.0	0	0.0
<b>12 Months (337-364 days)</b>	<b>3</b>	<b>0.4</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>3</b>	<b>0.4</b>
PG Mother on WIC	3	0.4	0	0.0	0	0.0	3	0.4
Mother Not on WIC	0	0.0	0	0.0	0	0.0	0	0.0
Unknown	0	0.0	0	0.0	0	0.0	0	0.0
<b>&gt; 12 Months (&gt;= 365 days)</b>	<b>144</b>	<b>18.6</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>144</b>	<b>18.6</b>
PG Mother on WIC	112	14.5	0	0.0	0	0.0	112	14.5
Mother Not on WIC	32	4.1	0	0.0	0	0.0	32	4.1
Unknown	0	0.0	0	0.0	0	0.0	0	0.0
<b>Unknown</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>
PG Mother on WIC	0	0.0	0	0.0	0	0.0	0	0.0
Mother Not on WIC	0	0.0	0	0.0	0	0.0	0	0.0
Unknown	0	0.0	0	0.0	0	0.0	0	0.0
<b>Total All Infants</b>	<b>773</b>	<b>100.0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>773</b>	<b>100.0</b>
PG Mother on WIC	608	100.0	0	0.0	0	0.0	608	78.7
Mother Not on WIC	164	100.0	0	0.0	0	0.0	164	21.2
Unknown	1	100.0	0	0.0	0	0.0	1	0.1

\*At 12 Months 0.4% of infants in the selected cohort stopped breastfeeding.

# Kansas WIC Breastfeeding Data Guide

## Duration Report

1. From BF Report #1, select **Duration**.
2. The beginning of the report will always begin with Unknown, Never and 0 Weeks in the left column (**Duration**).

Number and Percent of Infants Breastfed								
Duration	Infant Matches Parameters		Not Matching Parameters		No Mother Data		Total	
	#	%*	#	%*	#	%*	#	%*
<b>Unknown</b>	7	0.9	0	0.0	0	0.0	7	0.9
PG Mother on WIC	6	0.8	0	0.0	0	0.0	6	0.8
Mother Not on WIC	1	0.1	0	0.0	0	0.0	1	0.1
Unknown	0	0.0	0	0.0	0	0.0	0	0.0
<b>Never</b>	158	20.4	0	0.0	0	0.0	158	20.4
PG Mother on WIC	115	14.9	0	0.0	0	0.0	115	14.9
Mother Not on WIC	42	5.4	0	0.0	0	0.0	42	5.4
Unknown	1	0.1	0	0.0	0	0.0	1	0.1
<b>0 Weeks (1-3 days)</b>	608	78.7	0	0.0	0	0.0	608	78.7
PG Mother on WIC	487	63.0	0	0.0	0	0.0	487	63.0
Mother Not on WIC	121	15.7	0	0.0	0	0.0	121	15.7
Unknown	0	0.0	0	0.0	0	0.0	0	0.0

\*At 0 Weeks (1-3 days) 78.7% of infants in the selected cohort were breastfed.

3. Depending on the cohort you select, the final page of the report will vary.
4. If 14 months is selected as the Cohort on Report Criteria, the report will show Duration, up to > 12 Months.

Number and Percent of Infants Breastfed								
Duration	Infant Matches Parameters		Not Matching Parameters		No Mother Data		Total	
	#	%*	#	%*	#	%*	#	%*
<b>11 Months (302-336 days)</b>	159	20.6	0	0.0	0	0.0	159	20.6
PG Mother on WIC	125	16.2	0	0.0	0	0.0	125	16.2
Mother Not on WIC	34	4.4	0	0.0	0	0.0	34	4.4
Unknown	0	0.0	0	0.0	0	0.0	0	0.0
<b>12 Months (337-364 days)</b>	147	19.0	0	0.0	0	0.0	147	19.0
PG Mother on WIC	115	14.9	0	0.0	0	0.0	115	14.9
Mother Not on WIC	32	4.1	0	0.0	0	0.0	32	4.1
Unknown	0	0.0	0	0.0	0	0.0	0	0.0
<b>&gt; 12 Months (&gt;= 365 days)</b>	144	18.6	0	0.0	0	0.0	144	18.6
PG Mother on WIC	112	14.5	0	0.0	0	0.0	112	14.5
Mother Not on WIC	32	4.1	0	0.0	0	0.0	32	4.1
Unknown	0	0.0	0	0.0	0	0.0	0	0.0

\*At > 12 Months 18.6% of infants in the selected cohort were breastfed.

## Kansas WIC Breastfeeding Data Guide

- The following example shows how to determine breastfeeding duration rates.
- All reports can be **Printed** or **Saved As** an Excel file.

### EXAMPLE 1: Duration Through Six Months

- From BF Report #1, select **Duration**.
- Find **6 Months (155-182 days)** on the report.

Number and Percent of Infants Breastfed								
Duration	Infant Matches Parameters		Not Matching Parameters		No Mother Data		Total	
	#	%*	#	%*	#	%*	#	%*
6 Months (155-182 days)	343	28.6	0	0.0	0	0.0	343	28.6
PG Mother on WIC	285	23.8	0	0.0	0	0.0	285	23.8
Mother Not on WIC	56	4.7	0	0.0	0	0.0	56	4.7
Unknown	2	0.2	0	0.0	0	0.0	2	0.2

- In this example, **7<sup>th</sup> Month cohort** was selected for Report Criteria. Therefore, among infants that turned 7 months old in the reporting period (July 2019,) 343 were breastfed through six months. This is equal to 28.6%
- The percentage is calculated based on the total number of infants in the cohort, including those that were never breastfed. It is not necessary to do this calculation, but in this example,

**343 Infants BF through 6mo / 1,200 Total Infants \* 100% = 28.6% Breastfed through 6mo**

**NOTE:** The denominator for breastfeeding rates (1200 Infants in this example) will always consist of the total number of infants. In other words, it will include Unknown BF Status, Never BF, Stopped BF and Breastfeeding infants.

# Kansas WIC Breastfeeding Data Guide

## Incidence Report

---

1. From BF Report #1, select **Incidence**.
2. Here, the report shows the breastfeeding initiation rate among the selected cohort.
3. All reports can be **Printed** or **Saved As** an Excel file.

Number and Percent of Infants Breastfed								
Breastfeeding Incidence	Infant Matches Parameters		Not Matching Parameters		No Mother Data		Total	
	#	%*	#	%*	#	%*	#	%*
Ever	608	78.7	0	0.0	0	0.0	608	78.7
Never	158	20.4	0	0.0	0	0.0	158	20.4
Unknown	7	0.9	0	0.0	0	0.0	7	0.9
<b>Totals</b>	<b>773</b>	<b>100.0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>773</b>	<b>100.0</b>

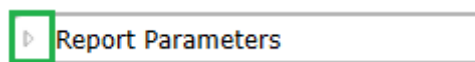
\* 78.7% of infants in the selected cohort initiated breastfeeding.

# Kansas WIC Breastfeeding Data Guide

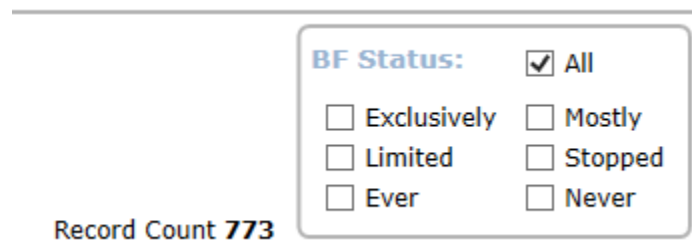
## Client Detail Report

---

1. From BF Report #1, select **Client Detail**.
2. If parameters have been selected, such as race. Select **Match Only** to exclude clients do not match parameters.
3. Use the arrow to view **Report Parameters**.



4. View **Record Count** for **All**.



5. View **Record Count** for **Exclusively** for the selected cohort.
6. View **Record Count** for **Limited** for the selected cohort.
7. View **Record Count** for **Ever** for the selected cohort.
8. View **Record Count** for **Mostly** for the selected cohort.
9. View **Record Count** for **Stopped** for the selected cohort.
10. View **Record Count** for **Never** for the selected cohort.
11. The following example shows how to determine Exclusive breastfeeding rates and at various ages.
12. All reports can be **Printed** or **Saved As** an Excel file.

# Kansas WIC Breastfeeding Data Guide

## EXAMPLE 2: Exclusive Breastfeeding

1. From BF Ad Hoc Criteria, select **4<sup>th</sup> Month Cohort**. Fill in **Report Criteria** and **Select Report Period**.

The screenshot shows two sections of a web form. The first section, titled 'Report Criteria', contains four radio button options: 'Statewide' (selected), 'Agency', 'Clinic', and 'Custom'. The second section, titled 'Select Cohort', contains a dropdown menu with '4th Month' selected. The third section, titled 'Select Report Period', contains two dropdown menus: 'From July, 2019' and 'to July, 2019'.

2. Do not select any additional Report Parameters.
3. Select **Review Parameters**.
4. Select **Generate**.
5. Select **Client Detail**.
6. Using the Client Detail window at the top of the screen, record the **Record Count** in **green** below for All **BF Statuses**.

The screenshot shows a 'BF Status' selection window with a grid of checkboxes. The 'All' checkbox is checked. Below the window, the text 'Record Count 1071' is displayed in a green box.

BF Status:	
<input checked="" type="checkbox"/> All	
<input type="checkbox"/> Exclusively	<input type="checkbox"/> Mostly
<input type="checkbox"/> Limited	<input type="checkbox"/> Stopped
<input type="checkbox"/> Ever	<input type="checkbox"/> Never

Record Count 1071



## Kansas WIC Breastfeeding Data Guide

7. Select **Exclusive**. Record the **Record Count** in **green** below for Exclusive Breastfeeding.

<b>Record Count 180</b>	<b>BF Status:</b>	<input type="checkbox"/> All
	<input checked="" type="checkbox"/> Exclusively	<input type="checkbox"/> Mostly
	<input type="checkbox"/> Limited	<input type="checkbox"/> Stopped
	<input type="checkbox"/> Ever	<input type="checkbox"/> Never

8. Calculate the percentage of infants that breastfed exclusively at three months by dividing the Record Count from 7. by the Record Count from 6.

**180 Exclusively Breastfed Infants / 1,071 Total Infants \* 100% = 16.8% Exclusively Breastfeeding at 3mo**

**NOTE:** Change the cohort to 7<sup>th</sup> Month (for 6 month Exclusive Breastfeeding rates) or 13<sup>th</sup> Month (for 12 month Exclusive Breastfeeding rates.)