

**Appendix D - Data Quality Indicators by Year and Registry**

<b>2015</b>								
<b>Registry</b>	<b>Met Combined Criteria</b>	<b>Completeness of Case Ascertainment</b>	<b>Missing Race</b>	<b>Missing Sex</b>	<b>Missing County</b>	<b>Missing Age</b>	<b>DCO Cases</b>	<b>Passing Edits</b>
Alabama	Yes	102.3	0.9	0.0	0.7	0.0	2.4	100.0
Alaska	Yes	104.5	0.5	0.0	0.0	0.0	1.7	100.0
Arizona	Yes	99.5	0.5	0.0	0.0	0.0	2.9	100.0
Arkansas	Yes	105.1	1.0	0.0	0.6	0.0	2.7	100.0
California	Yes	101.2	1.9	0.0	0.0	0.0	1.6	100.0
Greater California	Yes	100.9	2.2	0.0	0.0	0.0	2.0	100.0
Greater Bay	Yes	111.2	1.2	0.0	0.0	0.0	1.0	100.0
Los Angeles	Yes	95.8	1.9	0.0	0.0	0.0	1.1	100.0
Colorado	Yes	101.2	0.7	0.0	0.0	0.0	1.8	100.0
Connecticut	Yes	119.5	0.5	0.0	0.0	0.0	0.4	100.0
Delaware	Yes	115.2	0.1	0.0	0.0	0.0	1.1	100.0
District of Columbia	Yes	95.5	1.9	0.0	0.0	0.0	0.8	100.0
Florida	Yes	114.1	2.0	0.0	0.0	0.0	1.4	100.0
Georgia	Yes	109.9	0.1	0.0	0.0	0.0	1.3	100.0
Hawaii	Yes	109.9	0.2	0.0	0.0	0.0	1.2	100.0
Idaho	Yes	108.3	0.4	0.0	0.0	0.0	2.3	100.0
Illinois	Yes	108.8	0.7	0.0	0.0	0.0	2.1	100.0
Indiana	Yes	107.9	0.5	0.0	0.0	0.0	1.2	100.0
Iowa	Yes	111.5	0.4	0.0	0.0	0.0	1.5	100.0
Kansas	Yes	103.4	1.7	0.0	0.0	0.0	0.2	100.0
Kentucky	Yes	112.6	0.7	0.0	0.0	0.0	0.9	100.0
Louisiana	Yes	105.7	0.0	0.0	0.0	0.0	1.1	100.0
Maine	Yes	111.4	0.5	0.0	0.0	0.0	2.0	100.0
Maryland	Yes	109.3	0.2	0.0	0.2	0.0	2.8	100.0
Massachusetts	Yes	112.0	1.8	0.0	0.0	0.0	2.2	100.0
Michigan	Yes	103.6	0.6	0.0	0.2	0.0	1.5	100.0
Detroit	Yes	113.8	0.1	0.0	0.0	0.0	1.3	100.0
Minnesota	Yes	118.9	0.4	0.0	0.0	0.0	2.3	100.0
Mississippi	Yes	103.3	0.0	0.0	0.0	0.0	1.2	100.0
Missouri	Yes	105.7	0.2	0.0	0.0	0.0	2.5	100.0
Montana	Yes	109.8	0.4	0.0	0.0	0.0	2.1	100.0
Nebraska	Yes	110.3	0.7	0.0	0.0	0.0	1.2	100.0
Nevada	No	~	0.3	0.0	0.2	0.0	2.5	100.0
New Hampshire	Yes	113.4	0.9	0.0	0.0	0.0	1.2	100.0
New Jersey	Yes	115.0	1.1	0.0	0.0	0.0	1.7	100.0
New Mexico	Yes	96.4	0.9	0.0	0.1	0.0	3.6	100.0
New York	Yes	119.0	0.4	0.0	0.0	0.0	1.1	100.0
North Carolina	Yes	110.8	0.4	0.0	0.2	0.0	0.8	100.0
North Dakota	Yes	108.5	1.0	0.0	0.0	0.0	1.0	100.0
Ohio	Yes	105.3	1.0	0.0	0.0	0.0	4.2	100.0
Oklahoma	Yes	99.8	0.9	0.0	0.0	0.0	2.8	100.0
Oregon	Yes	104.8	0.5	0.0	0.0	0.0	3.1	100.0
Pennsylvania	Yes	111.3	1.3	0.0	0.0	0.0	2.3	100.0
Rhode Island	Yes	112.3	0.6	0.0	0.0	0.0	2.4	100.0
South Carolina	Yes	107.5	0.4	0.0	0.0	0.0	2.2	100.0
South Dakota	Yes	102.8	0.1	0.0	0.0	0.0	0.9	100.0
Tennessee	Yes	104.3	0.1	0.0	0.0	0.0	2.2	100.0
Texas	Yes	102.6	0.2	0.0	0.0	0.0	2.4	100.0
Utah	Yes	104.5	0.0	0.0	0.0	0.0	0.5	100.0
Vermont	Yes	103.1	0.5	0.0	0.0	0.0	1.2	100.0
Virginia	Yes	97.7	1.6	0.0	0.0	0.0	3.2	100.0
Washington	Yes	104.9	1.2	0.0	0.0	0.0	2.4	100.0
Seattle	Yes	114.5	0.7	0.0	0.0	0.0	0.4	100.0
West Virginia	Yes	103.6	0.4	0.0	0.0	0.0	1.0	100.0
Wisconsin	Yes	111.7	0.6	0.0	0.0	0.0	1.1	100.0
Wyoming	Yes	97.3	0.0	0.0	0.0	0.0	1.1	100.0
Puerto Rico	Yes	95.1	N/A	0.0	0.8	0.0	2.8	100.0

**Appendix D - Data Quality Indicators by Year and Registry**

**2015**

<b>Registry</b>	<b>Met Combined Criteria</b>	<b>Completeness of Case Ascertainment</b>	<b>Missing Race</b>	<b>Missing Sex</b>	<b>Missing County</b>	<b>Missing Age</b>	<b>DCO Cases</b>	<b>Passing Edits</b>
<b>Alberta</b>	Yes	109.5	N/A	0.0	0.0	0.0	0.1	100.0
<b>British Columbia</b>	Yes	100.8	N/A	0.0	0.0	0.0	0.5	100.0
<b>Manitoba</b>	Yes	101.9	N/A	0.0	0.0	0.0	0.0	100.0
<b>New Brunswick</b>	Yes	111.6	N/A	0.0	0.0	0.0	0.1	100.0
<b>Newfoundland and Labrador</b>	Yes	107.2	N/A	0.0	0.0	0.0	0.7	100.0
<b>Northwest Territories</b>	Yes	148.9	N/A	0.0	2.0	0.0	0.0	100.0
<b>Nova Scotia</b>	*	*	*	*	*	*	*	*
<b>Nunavut</b>	Yes	108.3	N/A	0.0	0.0	0.0	0.0	100.0
<b>Ontario</b>	Yes	105.4	N/A	0.0	0.0	0.0	1.4	100.0
<b>Prince Edward Island</b>	Yes	121.0	N/A	0.0	0.0	0.0	0.3	100.0
<b>Quebec</b>	*	*	*	*	*	*	*	*
<b>Saskatchewan</b>	Yes	105.9	N/A	0.0	0.0	0.0	0.6	100.0
<b>Yukon</b>	Yes	196.9	N/A	0.0	0.0	0.0	0.0	100.0

N/A Information about data not collected.

~ Did not meet combined criteria

\* No data submission

**Appendix D - Data Quality Indicators by Year and Registry**

<b>2016</b>								
<b>Registry</b>	<b>Met Combined Criteria</b>	<b>Completeness of Case Ascertainment</b>	<b>Missing Race</b>	<b>Missing Sex</b>	<b>Missing County</b>	<b>Missing Age</b>	<b>DCO Cases</b>	<b>Passing Edits</b>
Alabama	Yes	104.5	1.4	0.0	0.7	0.0	2.1	100.0
Alaska	Yes	102.4	0.3	0.0	0.0	0.0	1.1	100.0
Arizona	Yes	100.5	0.5	0.0	0.1	0.0	3.2	100.0
Arkansas	Yes	107.4	1.3	0.0	0.5	0.0	2.6	100.0
California	Yes	100.1	2.2	0.0	0.0	0.0	1.6	100.0
Greater California	Yes	99.2	2.2	0.0	0.0	0.0	1.8	100.0
Greater Bay	Yes	110.6	1.8	0.0	0.0	0.0	1.0	100.0
Los Angeles	Yes	95.6	2.4	0.0	0.0	0.0	1.5	100.0
Colorado	Yes	100.2	0.9	0.0	0.2	0.0	2.0	100.0
Connecticut	Yes	118.8	0.5	0.0	0.0	0.0	0.6	100.0
Delaware	Yes	108.7	0.0	0.0	0.0	0.0	0.9	100.0
District of Columbia	Yes	96.3	2.2	0.0	0.0	0.0	0.6	100.0
Florida	Yes	111.9	2.0	0.0	0.0	0.0	1.4	100.0
Georgia	Yes	110.7	0.3	0.0	0.0	0.0	1.3	100.0
Hawaii	Yes	112.5	1.1	0.0	0.0	0.0	1.3	100.0
Idaho	Yes	105.8	0.3	0.0	0.0	0.0	1.7	100.0
Illinois	Yes	110.3	0.5	0.0	0.0	0.0	2.0	100.0
Indiana	Yes	109.3	0.6	0.0	0.0	0.0	1.1	100.0
Iowa	Yes	114.7	0.4	0.0	0.0	0.0	1.6	100.0
Kansas	Yes	102.6	1.7	0.0	0.0	0.0	0.2	100.0
Kentucky	Yes	112.5	0.6	0.0	0.0	0.0	0.8	100.0
Louisiana	Yes	106.3	0.1	0.0	0.0	0.0	1.0	100.0
Maine	Yes	112.5	0.3	0.0	0.0	0.0	2.0	100.0
Maryland	Yes	108.3	0.3	0.0	0.7	0.0	3.2	100.0
Massachusetts	Yes	113.6	1.5	0.0	0.0	0.0	1.7	100.0
Michigan	Yes	106.4	1.3	0.0	0.0	0.0	2.2	100.0
Detroit	Yes	116.1	0.2	0.0	0.0	0.0	1.4	100.0
Minnesota	Yes	118.3	0.3	0.0	0.0	0.0	0.8	100.0
Mississippi	Yes	107.5	0.0	0.0	0.0	0.0	0.8	100.0
Missouri	Yes	103.8	0.2	0.0	0.0	0.0	2.3	100.0
Montana	Yes	113.6	0.6	0.0	0.0	0.0	1.2	100.0
Nebraska	Yes	110.1	0.2	0.0	0.0	0.0	1.4	100.0
Nevada	Yes	92.8	0.3	0.0	0.0	0.0	2.6	100.0
New Hampshire	Yes	111.4	1.5	0.0	0.0	0.0	1.5	100.0
New Jersey	Yes	114.6	1.1	0.0	0.0	0.0	1.2	100.0
New Mexico	Yes	94.5	0.8	0.0	0.0	0.0	1.4	100.0
New York	Yes	120.4	0.5	0.0	0.0	0.0	0.8	100.0
North Carolina	Yes	110.7	1.0	0.0	0.1	0.0	0.6	100.0
North Dakota	Yes	115.4	0.6	0.0	0.1	0.0	0.9	100.0
Ohio	Yes	103.2	1.2	0.0	0.0	0.0	3.0	100.0
Oklahoma	Yes	96.2	0.6	0.0	0.0	0.0	2.4	100.0
Oregon	Yes	101.4	0.9	0.0	0.0	0.0	3.0	100.0
Pennsylvania	Yes	110.2	1.5	0.0	0.0	0.0	2.5	100.0
Rhode Island	Yes	116.3	0.8	0.0	0.0	0.0	1.9	100.0
South Carolina	Yes	106.2	0.3	0.0	0.0	0.0	2.0	100.0
South Dakota	Yes	115.2	0.3	0.0	0.0	0.0	0.8	100.0
Tennessee	Yes	102.1	0.1	0.0	0.0	0.0	2.3	100.0
Texas	Yes	102.8	0.3	0.0	0.0	0.0	2.5	100.0
Utah	Yes	102.5	0.1	0.0	0.0	0.0	0.3	100.0
Vermont	Yes	106.7	0.4	0.0	0.0	0.0	1.9	100.0
Virginia	Yes	99.8	1.5	0.0	0.1	0.0	2.9	100.0
Washington	Yes	106.3	1.4	0.0	0.0	0.0	1.8	100.0
Seattle	Yes	114.0	0.8	0.0	0.0	0.0	0.4	100.0
West Virginia	Yes	106.7	0.4	0.0	0.0	0.0	0.7	100.0
Wisconsin	Yes	109.8	0.8	0.0	0.0	0.0	1.0	100.0
Wyoming	Yes	100.1	0.0	0.0	0.0	0.0	0.7	100.0
Puerto Rico	Yes	93.8	N/A	0.0	0.5	0.0	2.4	100.0

**Appendix D - Data Quality Indicators by Year and Registry**

**2016**

<b>Registry</b>	<b>Met Combined Criteria</b>	<b>Completeness of Case Ascertainment</b>	<b>Missing Race</b>	<b>Missing Sex</b>	<b>Missing County</b>	<b>Missing Age</b>	<b>DCO Cases</b>	<b>Passing Edits</b>
<b>Alberta</b>	Yes	106.2	N/A	0.0	0.0	0.0	0.1	100.0
<b>British Columbia</b>	Yes	98.2	N/A	0.0	0.0	0.0	0.6	100.0
<b>Manitoba</b>	Yes	103.3	N/A	0.0	0.0	0.0	0.0	100.0
<b>New Brunswick</b>	Yes	110.7	N/A	0.0	0.0	0.0	0.1	100.0
<b>Newfoundland and Labrador</b>	Yes	109.8	N/A	0.0	0.0	0.0	0.3	100.0
<b>Northwest Territories</b>	Yes	161.5	N/A	0.0	0.0	0.0	0.5	100.0
<b>Nova Scotia</b>	*	*	*	*	*	*	*	*
<b>Nunavut</b>	Yes	97.1	N/A	0.0	0.0	0.0	0.0	100.0
<b>Ontario</b>	Yes	103.6	N/A	0.0	0.0	0.0	1.4	100.0
<b>Prince Edward Island</b>	Yes	113.5	N/A	0.0	0.0	0.0	0.1	100.0
<b>Quebec</b>	*	*	*	*	*	*	*	*
<b>Saskatchewan</b>	Yes	117.3	N/A	0.0	0.0	0.0	0.6	100.0
<b>Yukon</b>	Yes	224.5	N/A	0.0	0.0	0.0	0.0	100.0

N/A Information about data not collected.

~ Did not meet combined criteria

\* No data submission

**Appendix D - Data Quality Indicators by Year and Registry**

<b>2017</b>								
<b>Registry</b>	<b>Met Combined Criteria</b>	<b>Completeness of Case Ascertainment</b>	<b>Missing Race</b>	<b>Missing Sex</b>	<b>Missing County</b>	<b>Missing Age</b>	<b>DCO Cases</b>	<b>Passing Edits</b>
Alabama	Yes	102.5	1.9	0.0	0.7	0.0	2.1	100.0
Alaska	Yes	111.1	0.4	0.0	0.0	0.0	1.0	100.0
Arizona	Yes	102.0	0.7	0.0	0.1	0.0	2.1	100.0
Arkansas	Yes	108.7	1.4	0.0	0.5	0.0	2.2	100.0
California	Yes	99.9	2.4	0.0	0.0	0.0	0.9	100.0
Greater California	Yes	99.6	2.4	0.0	0.0	0.0	1.1	100.0
Greater Bay	Yes	111.8	2.2	0.0	0.0	0.0	0.7	100.0
Los Angeles	Yes	93.5	2.6	0.0	0.0	0.0	0.7	100.0
Colorado	Yes	100.7	1.8	0.0	0.3	0.0	1.4	100.0
Connecticut	Yes	119.4	0.3	0.0	0.0	0.0	0.6	100.0
Delaware	Yes	102.4	0.4	0.0	0.0	0.0	0.8	100.0
District of Columbia	Yes	102.5	2.7	0.0	0.0	0.0	3.1	100.0
Florida	Yes	110.8	1.7	0.0	0.0	0.0	1.4	100.0
Georgia	Yes	111.3	0.1	0.0	0.0	0.0	1.0	100.0
Hawaii	Yes	117.1	1.2	0.0	0.0	0.0	1.6	100.0
Idaho	Yes	104.0	0.9	0.0	0.0	0.0	1.3	100.0
Illinois	Yes	111.0	0.4	0.0	0.0	0.0	2.0	100.0
Indiana	Yes	108.8	0.6	0.0	0.0	0.0	1.7	100.0
Iowa	Yes	115.3	0.5	0.0	0.0	0.0	1.3	100.0
Kansas	Yes	105.3	2.8	0.0	0.0	0.0	0.3	100.0
Kentucky	Yes	113.5	0.7	0.0	0.0	0.0	0.7	100.0
Louisiana	Yes	107.3	0.1	0.0	0.0	0.0	0.9	100.0
Maine	Yes	110.3	0.7	0.0	0.0	0.0	2.1	100.0
Maryland	Yes	108.1	0.3	0.0	0.4	0.0	3.7	100.0
Massachusetts	Yes	110.7	2.2	0.0	0.0	0.0	1.6	100.0
Michigan	Yes	103.1	1.7	0.0	0.0	0.0	2.2	100.0
Detroit	Yes	112.8	0.2	0.0	0.0	0.0	1.3	100.0
Minnesota	Yes	121.2	0.6	0.0	0.0	0.0	0.7	100.0
Mississippi	Yes	107.9	0.0	0.0	0.0	0.0	0.5	100.0
Missouri	Yes	107.5	0.4	0.0	0.0	0.0	2.4	100.0
Montana	Yes	111.6	1.2	0.0	0.0	0.0	1.5	100.0
Nebraska	Yes	111.6	0.6	0.0	0.0	0.0	1.3	100.0
Nevada	Yes	94.2	1.2	0.0	0.8	0.0	2.0	100.0
New Hampshire	Yes	108.0	1.3	0.0	0.0	0.0	1.5	100.0
New Jersey	Yes	115.5	1.5	0.0	0.0	0.0	1.2	100.0
New Mexico	Yes	93.4	1.4	0.0	0.0	0.0	1.3	100.0
New York	Yes	120.0	0.5	0.0	0.0	0.0	1.1	100.0
North Carolina	Yes	110.5	1.3	0.0	0.1	0.0	0.6	100.0
North Dakota	Yes	123.6	0.7	0.0	0.1	0.0	0.8	100.0
Ohio	Yes	102.8	1.1	0.0	0.0	0.0	3.0	100.0
Oklahoma	Yes	93.9	1.2	0.0	0.0	0.0	2.1	100.0
Oregon	Yes	103.8	1.3	0.0	0.0	0.0	2.1	100.0
Pennsylvania	Yes	109.8	1.2	0.0	0.0	0.0	2.7	100.0
Rhode Island	Yes	112.3	1.3	0.0	0.0	0.0	2.1	100.0
South Carolina	Yes	105.3	0.5	0.0	0.0	0.0	1.7	100.0
South Dakota	Yes	108.8	0.1	0.0	0.0	0.0	0.8	100.0
Tennessee	Yes	105.6	0.3	0.0	0.0	0.0	2.3	100.0
Texas	Yes	102.5	0.3	0.0	0.0	0.0	2.2	100.0
Utah	Yes	107.9	0.9	0.0	0.0	0.0	0.8	100.0
Vermont	Yes	110.3	0.7	0.0	0.0	0.0	2.0	100.0
Virginia	Yes	98.7	2.1	0.0	0.4	0.0	2.6	100.0
Washington	Yes	104.8	1.6	0.0	0.0	0.0	1.7	100.0
Seattle	Yes	113.7	0.9	0.0	0.0	0.0	0.6	100.0
West Virginia	Yes	112.4	0.4	0.0	0.0	0.0	0.7	100.0
Wisconsin	Yes	110.0	0.6	0.0	0.0	0.0	1.1	100.0
Wyoming	Yes	99.9	0.0	0.0	0.0	0.0	0.9	100.0
Puerto Rico	Yes	101.3	N/A	0.0	0.4	0.0	2.1	100.0

**Appendix D - Data Quality Indicators by Year and Registry**

**2017**

<b>Registry</b>	<b>Met Combined Criteria</b>	<b>Completeness of Case Ascertainment</b>	<b>Missing Race</b>	<b>Missing Sex</b>	<b>Missing County</b>	<b>Missing Age</b>	<b>DCO Cases</b>	<b>Passing Edits</b>
<b>Alberta</b>	Yes	101.8	N/A	0.0	0.0	0.0	0.1	100.0
<b>British Columbia</b>	Yes	95.7	N/A	0.0	0.0	0.0	1.3	100.0
<b>Manitoba</b>	Yes	98.5	N/A	0.0	0.0	0.0	0.0	100.0
<b>New Brunswick</b>	Yes	104.1	N/A	0.0	0.0	0.0	0.2	100.0
<b>Newfoundland and Labrador</b>	Yes	106.8	N/A	0.0	0.0	0.0	0.6	100.0
<b>Northwest Territories</b>	Yes	180.8	N/A	0.0	0.0	0.0	0.0	100.0
<b>Nova Scotia</b>	*	*	*	*	*	*	*	*
<b>Nunavut</b>	Yes	111.2	N/A	0.0	0.0	0.0	0.0	100.0
<b>Ontario</b>	Yes	106.8	N/A	0.0	0.0	0.0	1.4	100.0
<b>Prince Edward Island</b>	Yes	110.2	N/A	0.0	0.0	0.0	0.3	100.0
<b>Quebec</b>	*	*	*	*	*	*	*	*
<b>Saskatchewan</b>	Yes	112.5	N/A	0.0	0.0	0.0	0.5	100.0
<b>Yukon</b>	Yes	189.0	N/A	0.0	0.0	0.0	0.0	100.0

N/A Information about data not collected.

~ Did not meet combined criteria

\* No data submission

**Appendix D - Data Quality Indicators by Year and Registry**

<b>2018</b>								
<b>Registry</b>	<b>Met Combined Criteria</b>	<b>Completeness of Case Ascertainment</b>	<b>Missing Race</b>	<b>Missing Sex</b>	<b>Missing County</b>	<b>Missing Age</b>	<b>DCO Cases</b>	<b>Passing Edits</b>
Alabama	Yes	102.1	1.6	0.0	0.4	0.0	2.3	100.0
Alaska	Yes	104.9	0.4	0.0	0.0	0.0	1.0	100.0
Arizona	Yes	100.4	1.9	0.0	0.0	0.0	1.4	100.0
Arkansas	Yes	113.8	1.7	0.0	1.2	0.0	2.3	100.0
California	Yes	99.5	2.5	0.0	0.0	0.0	1.8	100.0
Greater California	Yes	99.4	2.8	0.0	0.0	0.0	2.0	100.0
Greater Bay	Yes	110.7	2.4	0.0	0.0	0.0	1.3	100.0
Los Angeles	Yes	92.9	1.8	0.0	0.0	0.0	1.6	100.0
Colorado	Yes	99.1	1.1	0.0	0.4	0.0	2.0	100.0
Connecticut	Yes	118.1	0.5	0.0	0.0	0.0	1.0	100.0
Delaware	Yes	101.5	2.7	0.0	0.1	0.0	0.8	100.0
District of Columbia	Yes	99.3	0.6	0.0	0.0	0.0	2.5	100.0
Florida	Yes	110.4	1.7	0.0	0.0	0.0	1.6	100.0
Georgia	Yes	111.4	0.3	0.0	0.0	0.0	1.2	100.0
Hawaii	Yes	110.8	1.4	0.0	0.0	0.0	1.6	100.0
Idaho	Yes	103.3	0.7	0.0	0.0	0.0	0.9	100.0
Illinois	Yes	109.4	0.7	0.0	0.0	0.0	1.4	100.0
Indiana	Yes	104.2	0.5	0.0	0.0	0.0	2.4	100.0
Iowa	Yes	114.5	0.6	0.0	0.0	0.0	1.6	100.0
Kansas	Yes	100.1	2.7	0.0	0.0	0.0	0.3	100.0
Kentucky	Yes	113.2	0.9	0.0	0.0	0.0	0.6	100.0
Louisiana	Yes	105.7	0.3	0.0	0.0	0.0	1.0	100.0
Maine	Yes	107.7	1.2	0.0	0.0	0.0	2.3	100.0
Maryland	Yes	105.7	0.3	0.0	1.4	0.0	3.1	100.0
Massachusetts	Yes	104.9	1.4	0.0	0.0	0.0	1.7	100.0
Michigan	Yes	101.2	1.5	0.0	0.0	0.0	1.3	100.0
Detroit	Yes	112.2	0.3	0.0	0.0	0.0	1.6	100.0
Minnesota	Yes	120.5	0.8	0.0	0.0	0.0	0.6	100.0
Mississippi	Yes	107.9	0.0	0.0	0.0	0.0	0.7	100.0
Missouri	Yes	102.7	0.4	0.0	0.0	0.0	2.4	100.0
Montana	Yes	104.8	1.3	0.0	0.0	0.0	1.8	100.0
Nebraska	Yes	106.1	1.0	0.0	0.0	0.0	1.3	100.0
Nevada	No	~	1.6	0.0	1.0	0.0	2.1	100.0
New Hampshire	Yes	113.3	1.2	0.0	0.0	0.0	1.4	100.0
New Jersey	Yes	116.6	1.9	0.0	0.0	0.0	1.0	100.0
New Mexico	Yes	89.4	1.8	0.0	0.4	0.0	1.3	100.0
New York	Yes	117.4	0.9	0.0	0.0	0.0	0.9	100.0
North Carolina	Yes	108.7	1.1	0.0	0.1	0.0	0.7	100.0
North Dakota	Yes	110.7	1.1	0.0	1.4	0.0	0.9	100.0
Ohio	Yes	104.6	1.2	0.0	0.0	0.0	3.5	100.0
Oklahoma	Yes	94.0	0.5	0.0	0.0	0.0	2.6	100.0
Oregon	Yes	96.2	0.8	0.0	0.0	0.0	1.6	100.0
Pennsylvania	Yes	107.1	1.3	0.0	0.0	0.0	2.7	100.0
Rhode Island	Yes	106.7	0.7	0.0	0.0	0.0	2.1	100.0
South Carolina	Yes	103.5	1.0	0.0	0.0	0.0	2.3	100.0
South Dakota	Yes	108.9	0.0	0.0	0.0	0.0	1.2	100.0
Tennessee	Yes	104.7	0.9	0.0	0.0	0.0	2.4	100.0
Texas	Yes	103.8	0.4	0.0	0.0	0.0	2.4	100.0
Utah	Yes	109.1	1.1	0.0	0.0	0.0	1.1	100.0
Vermont	Yes	107.2	1.3	0.0	0.0	0.0	2.0	100.0
Virginia	Yes	97.2	1.1	0.0	0.2	0.0	2.7	100.0
Washington	Yes	104.4	2.3	0.0	0.0	0.0	2.0	100.0
Seattle	Yes	115.2	0.9	0.0	0.0	0.0	0.3	100.0
West Virginia	Yes	109.4	0.5	0.0	0.0	0.0	0.6	100.0
Wisconsin	Yes	110.5	0.7	0.0	0.0	0.0	1.1	100.0
Wyoming	Yes	102.9	0.4	0.0	0.0	0.0	0.4	100.0
Puerto Rico	Yes	99.9	N/A	0.0	0.5	0.0	2.7	100.0

**Appendix D - Data Quality Indicators by Year and Registry**

**2018**

<b>Registry</b>	<b>Met Combined Criteria</b>	<b>Completeness of Case Ascertainment</b>	<b>Missing Race</b>	<b>Missing Sex</b>	<b>Missing County</b>	<b>Missing Age</b>	<b>DCO Cases</b>	<b>Passing Edits</b>
<b>Alberta</b>	Yes	103.6	N/A	0.0	0.0	0.0	0.1	100.0
<b>British Columbia</b>	Yes	98.8	N/A	0.0	0.0	0.0	1.1	100.0
<b>Manitoba</b>	Yes	107.1	N/A	0.0	0.0	0.0	0.0	100.0
<b>New Brunswick</b>	Yes	102.9	N/A	0.0	0.0	0.0	0.2	100.0
<b>Newfoundland and Labrador</b>	Yes	106.7	N/A	0.0	0.0	0.0	0.0	100.0
<b>Northwest Territories</b>	Yes	154.1	N/A	0.0	0.0	0.0	0.5	100.0
<b>Nova Scotia</b>	*	*	*	*	*	*	*	*
<b>Nunavut</b>	Yes	152.9	N/A	0.0	0.0	0.0	0.0	100.0
<b>Ontario</b>	Yes	104.4	N/A	0.0	0.0	0.0	1.1	100.0
<b>Prince Edward Island</b>	Yes	96.8	N/A	0.0	0.0	0.0	0.5	100.0
<b>Quebec</b>	*	*	*	*	*	*	*	*
<b>Saskatchewan</b>	Yes	107.7	N/A	0.0	0.0	0.0	0.7	100.0
<b>Yukon</b>	Yes	210.1	N/A	0.0	0.0	0.0	0.0	100.0

N/A Information about data not collected.

~ Did not meet combined criteria

\* No data submission



**Appendix D - Data Quality Indicators by Year and Registry**

<b>2019</b>								
<b>Registry</b>	<b>Met Combined Criteria</b>	<b>Completeness of Case Ascertainment</b>	<b>Missing Race</b>	<b>Missing Sex</b>	<b>Missing County</b>	<b>Missing Age</b>	<b>DCO Cases</b>	<b>Passing Edits</b>
Alabama	Yes	102.3	1.8	0.0	0.3	0.0	1.7	100.0
Alaska	Yes	106.2	0.6	0.0	0.0	0.0	1.5	100.0
Arizona	Yes	94.9	1.7	0.0	0.0	0.0	3.1	100.0
Arkansas	Yes	116.7	1.0	0.0	0.6	0.0	2.2	100.0
California	Yes	100.0	2.5	0.0	0.0	0.0	1.6	100.0
Greater California	Yes	100.6	2.9	0.0	0.0	0.0	1.6	100.0
Greater Bay	Yes	109.0	1.9	0.0	0.0	0.0	1.5	100.0
Los Angeles	Yes	101.9	1.9	0.0	0.0	0.0	1.4	100.0
Colorado	Yes	100.7	0.9	0.0	0.3	0.0	2.7	100.0
Connecticut	Yes	120.8	1.0	0.0	0.0	0.0	1.0	100.0
Delaware	Yes	100.8	2.8	0.0	0.0	0.0	1.2	100.0
District of Columbia	Yes	98.4	1.0	0.0	0.0	0.0	2.6	100.0
Florida	Yes	106.2	2.4	0.0	0.0	0.0	1.9	100.0
Georgia	Yes	110.7	0.2	0.0	0.0	0.0	1.3	100.0
Hawaii	Yes	111.7	1.9	0.0	0.1	0.0	1.2	100.0
Idaho	Yes	107.3	1.0	0.0	0.0	0.0	1.1	100.0
Illinois	Yes	108.9	1.0	0.0	0.0	0.0	0.9	100.0
Indiana	Yes	95.0	0.7	0.0	0.0	0.0	2.5	100.0
Iowa	Yes	115.6	0.6	0.0	0.0	0.0	1.4	100.0
Kansas	Yes	101.2	2.6	0.0	0.0	0.0	0.4	100.0
Kentucky	Yes	111.5	1.3	0.0	0.0	0.0	0.4	100.0
Louisiana	Yes	108.3	0.4	0.0	0.0	0.0	1.0	100.0
Maine	Yes	109.9	0.8	0.0	0.0	0.0	2.1	100.0
Maryland	Yes	105.6	0.4	0.0	0.4	0.0	2.9	100.0
Massachusetts	Yes	105.2	1.5	0.0	0.0	0.0	4.9	100.0
Michigan	Yes	98.1	2.4	0.0	0.0	0.0	1.2	100.0
Detroit	Yes	111.8	2.3	0.0	0.0	0.0	1.3	100.0
Minnesota	Yes	110.0	1.1	0.0	0.0	0.0	0.5	100.0
Mississippi	Yes	104.1	0.0	0.0	0.0	0.0	0.6	100.0
Missouri	Yes	101.3	0.3	0.0	0.0	0.0	2.4	100.0
Montana	Yes	110.4	1.6	0.0	0.0	0.0	1.9	100.0
Nebraska	Yes	102.3	2.6	0.0	0.0	0.0	2.2	100.0
Nevada	No	~	3.2	0.0	0.7	0.0	4.1	100.0
New Hampshire	Yes	119.0	1.4	0.0	0.0	0.0	1.2	100.0
New Jersey	Yes	115.2	2.4	0.0	0.0	0.0	0.9	100.0
New Mexico	Yes	104.5	2.8	0.0	0.3	0.0	1.5	100.0
New York	Yes	119.9	1.2	0.0	0.0	0.0	0.8	100.0
North Carolina	Yes	107.4	1.3	0.0	0.0	0.0	0.8	100.0
North Dakota	Yes	108.8	1.5	0.0	0.3	0.0	0.7	100.0
Ohio	Yes	104.9	1.2	0.0	0.0	0.0	2.0	100.0
Oklahoma	Yes	97.0	1.0	0.0	0.0	0.0	2.7	100.0
Oregon	Yes	96.2	0.9	0.0	0.0	0.0	2.1	100.0
Pennsylvania	Yes	105.4	1.4	0.0	0.0	0.0	2.8	100.0
Rhode Island	Yes	103.6	1.7	0.0	0.1	0.0	1.9	100.0
South Carolina	Yes	98.7	1.5	0.0	0.5	0.0	1.3	100.0
South Dakota	Yes	96.8	0.0	0.0	0.0	0.0	0.6	100.0
Tennessee	Yes	98.7	2.1	0.0	0.3	0.0	2.5	100.0
Texas	Yes	101.4	1.2	0.0	0.0	0.0	1.8	100.0
Utah	Yes	106.5	2.2	0.0	0.0	0.0	1.2	100.0
Vermont	Yes	106.9	1.2	0.0	0.5	0.0	1.6	100.0
Virginia	Yes	97.1	1.2	0.0	0.4	0.0	2.8	100.0
Washington	Yes	102.9	1.8	0.0	0.0	0.0	1.8	100.0
Seattle	Yes	115.7	1.9	0.0	0.0	0.0	0.4	100.0
West Virginia	Yes	105.3	0.3	0.0	0.0	0.0	0.6	100.0
Wisconsin	Yes	111.9	0.4	0.0	0.0	0.0	1.3	100.0
Wyoming	Yes	102.3	0.1	0.0	0.0	0.0	1.5	100.0
Puerto Rico	Yes	97.4	N/A	0.0	0.4	0.0	2.5	100.0

**Appendix D - Data Quality Indicators by Year and Registry**

**2019**

<b>Registry</b>	<b>Met Combined Criteria</b>	<b>Completeness of Case Ascertainment</b>	<b>Missing Race</b>	<b>Missing Sex</b>	<b>Missing County</b>	<b>Missing Age</b>	<b>DCO Cases</b>	<b>Passing Edits</b>
<b>Alberta</b>	Yes	105.6	N/A	0.0	0.0	0.0	0.1	100.0
<b>British Columbia</b>	Yes	101.4	N/A	0.0	0.0	0.0	1.0	100.0
<b>Manitoba</b>	Yes	110.1	N/A	0.0	0.0	0.0	0.1	100.0
<b>New Brunswick</b>	Yes	108.3	N/A	0.0	0.0	0.0	0.2	100.0
<b>Newfoundland and Labrador</b>	Yes	107.9	N/A	0.0	0.0	0.0	0.0	100.0
<b>Northwest Territories</b>	Yes	186.7	N/A	0.0	0.0	0.0	1.0	100.0
<b>Nova Scotia</b>	*	*	*	*	*	*	*	*
<b>Nunavut</b>	Yes	127.9	N/A	0.0	0.0	0.0	0.0	100.0
<b>Ontario</b>	Yes	107.2	N/A	0.0	0.0	0.0	1.2	100.0
<b>Prince Edward Island</b>	Yes	108.6	N/A	0.0	0.0	0.0	0.2	100.0
<b>Quebec</b>	*	*	*	*	*	*	*	*
<b>Saskatchewan</b>	Yes	104.5	N/A	0.0	0.0	0.0	0.4	100.0
<b>Yukon</b>	Yes	193.3	N/A	0.0	0.0	0.0	0.0	100.0

N/A Information about data not collected.

~ Did not meet combined criteria

\* No data submission