

**Multi Year Anemia in Minnesota WIC Infants and Children by CHB and Race/Ethnicity Alone or in Combination with Other Races (AOIC)
Minnesota WIC Information System**

CHB¹	Amer Indian AOIC NH	Asian AOIC NH²	Black/ African-Amer AOIC NH³	White AOIC NH	American Indian AOIC H	Other AOIC H⁴	White AOIC H
MINNESOTA							
2019 Total	4,684	11,064	32,105	35,903	1,983	1,754	14,118
2019 Anemia⁵	711 (15.2)	1,851 (16.7)	6,281 (19.6)	3,498 (9.7)	285 (14.4)	263 (15.0)	1,653 (11.7)
2018 Total	4,631	9,711	25,303	35,439	1,828	1,495	12,516
2018 Anemia	754 (16.3)	1,694 (17.4)	4,839 (19.1)	3,803 (10.7)	247 (13.5)	243 (16.3)	1,533 (12.2)
2017 Total	4,741	10,104	25,963	38,363	2,187	1,529	13,189
2017 Anemia	711 (15.0)	1,708 (16.9)	4,937 (19.0)	4,189 (10.9)	299 (13.7)	271 (17.7)	1,691 (12.8)
2016 Total	4,857	10,397	25,965	40,338	2,608	1,545	13,512
2016 Anemia	675 (13.9)	1,712 (16.5)	4,678 (18.0)	3,991 (9.9)	344 (13.2)	266 (17.2)	1,592 (11.8)
2015 Total	5,294	10,466	25,758	42,564	3,100	1,648	14,088
2015 Anemia	715 (13.5)	1,564 (14.9)	4,714 (18.3)	3,985 (9.4)	389 (12.5)	276 (16.7)	1,655 (11.7)
2014 Total	5,460	10,187	25,167	44,613	3,678	1,572	14,188
2014 Anemia	799 (14.6)	1,403 (13.8)	4,243 (16.9)	3,860 (8.7)	434 (11.8)	218 (13.9)	1,576 (11.1)
2013 Total	5,448	10,124	24,098	46,003	4,333	1,560	14,519
2013 Anemia	813 (14.9)	1,350 (13.3)	3,822 (15.9)	3,629 (7.9)	497 (11.5)	210 (13.5)	1,532 (10.6)
2012 Total	5,484	9,685	23,397	48,991	4,956	1,503	14,967
2012 Anemia	796 (14.5)	1,343 (13.9)	3,861 (16.5)	3,740 (7.6)	505 (10.2)	183 (12.2)	1,531 (10.2)
2011 Total	5,798	9,612	23,690	52,586	5,732	1,508	16,018
2011 Anemia	777 (13.4)	1,409 (14.7)	3,930 (16.6)	3,859 (7.3)	644 (11.2)	186 (12.3)	1,594 (10.0)

**Multi Year Anemia in Minnesota WIC Infants and Children by CHB and Race/Ethnicity Alone or in Combination with Other Races (AOIC)
Minnesota WIC Information System**

CHB¹	Amer Indian AOIC NH	Asian AOIC NH²	Black/ African-Amer AOIC NH³	White AOIC NH	American Indian AOIC H	Other AOIC H⁴	White AOIC H
AITKIN-ITASCA-KOOCHICHING							
2019 Total	172	17	50	877	<5	0	25
2019 Anemia	26 (15.1)	0	6 (12.0)	57 (6.5)	0	0	0
2018 Total	179	18	55	883	6	<5	35
2018 Anemia	32 (17.9)	1 (****)	9 (16.4)	93 (10.5)	1 (****)	0	5 (14.3)
2017 Total	183	18	41	906	<5	5	38
2017 Anemia	25 (13.7)	0	7 (17.1)	80 (8.8)	0	1 (****)	4 (10.5)
2016 Total	164	24	37	962	<5	<5	33
2016 Anemia	28 (17.1)	3 (****)	7 (18.9)	89 (9.3)	0	0	2 (6.1)
2015 Total	197	20	36	997	6	<5	36
2015 Anemia	29 (14.7)	4 (****)	6 (16.7)	86 (8.6)	0	0	6 (16.7)
2014 Total	199	15	28	1,018	10	<5	35
2014 Anemia	24 (12.1)	2 (****)	2 (****)	77 (7.6)	4 (****)	0	4 (11.4)
2013 Total	208	11	28	1,066	14	5	52
2013 Anemia	31 (14.9)	2 (****)	3 (****)	82 (7.7)	2 (****)	0	7 (13.5)
2012 Total	218	10	31	1,156	14	10	41
2012 Anemia	29 (13.3)	1 (****)	4 (12.9)	70 (6.1)	1 (****)	0	2 (4.9)
2011 Total	244	13	33	1,245	17	10	49
2011 Anemia	21 (8.6)	2 (****)	2 (6.1)	81 (6.5)	0	1 (****)	5 (10.2)

**Multi Year Anemia in Minnesota WIC Infants and Children by CHB and Race/Ethnicity Alone or in Combination with Other Races (AOIC)
Minnesota WIC Information System**

CHB¹	Amer Indian AOIC NH	Asian AOIC NH²	Black/ African-Amer AOIC NH³	White AOIC NH	American Indian AOIC H	Other AOIC H⁴	White AOIC H
ANOKA							
2019 Total	106	454	1,371	1,884	36	78	513
2019 Anemia	14 (13.2)	42 (9.3)	217 (15.8)	175 (9.3)	3 (8.3)	6 (7.7)	47 (9.2)
2018 Total	114	404	1,378	2,002	49	66	521
2018 Anemia	10 (8.8)	30 (7.4)	208 (15.1)	203 (10.1)	6 (12.2)	9 (13.6)	52 (10.0)
2017 Total	108	391	1,289	2,098	47	71	559
2017 Anemia	10 (9.3)	43 (11.0)	176 (13.7)	187 (8.9)	4 (8.5)	10 (14.1)	67 (12.0)
2016 Total	104	356	1,211	2,144	51	57	548
2016 Anemia	7 (6.7)	35 (9.8)	149 (12.3)	201 (9.4)	7 (13.7)	12 (21.1)	46 (8.4)
2015 Total	125	326	1,293	2,456	56	64	563
2015 Anemia	12 (9.6)	39 (12.0)	156 (12.1)	191 (7.8)	8 (14.3)	8 (12.5)	62 (11.0)
2014 Total	131	342	1,225	2,587	53	58	538
2014 Anemia	9 (6.9)	28 (8.2)	145 (11.8)	180 (7.0)	3 (5.7)	3 (5.2)	45 (8.4)
2013 Total	127	327	1,207	2,426	72	71	554
2013 Anemia	9 (7.1)	26 (8.0)	132 (10.9)	171 (7.0)	5 (6.9)	6 (8.5)	36 (6.5)
2012 Total	122	337	1,220	2,577	98	72	595
2012 Anemia	7 (5.7)	49 (14.5)	147 (12.0)	163 (6.3)	5 (5.1)	5 (6.9)	47 (7.9)
2011 Total	120	325	1,269	2,752	113	72	622
2011 Anemia	10 (8.3)	27 (8.3)	169 (13.3)	171 (6.2)	14 (12.4)	5 (6.9)	45 (7.2)

**Multi Year Anemia in Minnesota WIC Infants and Children by CHB and Race/Ethnicity Alone or in Combination with Other Races (AOIC)
Minnesota WIC Information System**

CHB¹	Amer Indian AOIC NH	Asian AOIC NH²	Black/ African-Amer AOIC NH³	White AOIC NH	American Indian AOIC H	Other AOIC H⁴	White AOIC H
BELTRAMI							
2019 Total	814	8	43	546	16	6	27
2019 Anemia	180 (22.1)	0	3 (7.0)	25 (4.6)	4 (****)	0	3 (****)
2018 Total	825	10	37	573	16	<5	17
2018 Anemia	180 (21.8)	0	1 (2.7)	37 (6.5)	4 (****)	1 (****)	3 (****)
2017 Total	859	11	36	617	18	<5	22
2017 Anemia	150 (17.5)	2 (****)	6 (16.7)	49 (7.9)	2 (****)	0	2 (****)
2016 Total	925	18	47	675	19	8	29
2016 Anemia	136 (14.7)	0	6 (12.8)	41 (6.1)	1 (****)	0	0
2015 Total	972	18	52	687	24	6	33
2015 Anemia	142 (14.6)	2 (****)	11 (21.2)	52 (7.6)	4 (****)	1 (****)	2 (6.1)
2014 Total	1,024	15	66	802	35	<5	28
2014 Anemia	226 (22.1)	3 (****)	4 (6.1)	62 (7.7)	6 (17.1)	0	2 (****)
2013 Total	1,044	20	71	797	39	<5	30
2013 Anemia	280 (26.8)	5 (****)	7 (9.9)	65 (8.2)	7 (17.9)	0	3 (10.0)
2012 Total	1,028	17	67	843	35	5	25
2012 Anemia	293 (28.5)	1 (****)	9 (13.4)	63 (7.5)	10 (28.6)	0	2 (****)
2011 Total	1,100	19	67	961	50	<5	30
2011 Anemia	256 (23.3)	2 (****)	14 (20.9)	83 (8.6)	7 (14.0)	0	2 (6.7)

**Multi Year Anemia in Minnesota WIC Infants and Children by CHB and Race/Ethnicity Alone or in Combination with Other Races (AOIC)
Minnesota WIC Information System**

CHB¹	Amer Indian AOIC NH	Asian AOIC NH²	Black/ African-Amer AOIC NH³	White AOIC NH	American Indian AOIC H	Other AOIC H⁴	White AOIC H
BENTON							
2019 Total	26	12	216	434	<5	6	42
2019 Anemia	3 (****)	1 (****)	23 (10.6)	28 (6.5)	0	0	8 (19.0)
2018 Total	30	12	207	441	<5	6	40
2018 Anemia	2 (6.7)	2 (****)	37 (17.9)	38 (8.6)	0	0	4 (10.0)
2017 Total	31	18	201	482	9	7	37
2017 Anemia	4 (12.9)	0	27 (13.4)	42 (8.7)	1 (****)	1 (****)	5 (13.5)
2016 Total	23	18	216	473	8	5	41
2016 Anemia	3 (****)	2 (****)	31 (14.4)	47 (9.9)	1 (****)	1 (****)	6 (14.6)
2015 Total	29	12	199	497	6	<5	35
2015 Anemia	2 (****)	1 (****)	29 (14.6)	50 (10.1)	0	0	4 (11.4)
2014 Total	23	20	147	514	<5	9	54
2014 Anemia	2 (****)	4 (****)	28 (19.0)	57 (11.1)	0	0	10 (18.5)
2013 Total	14	18	124	520	6	7	42
2013 Anemia	2 (****)	2 (****)	14 (11.3)	41 (7.9)	0	0	4 (9.5)
2012 Total	12	20	111	564	7	5	39
2012 Anemia	0	1 (****)	14 (12.6)	45 (8.0)	0	0	1 (2.6)
2011 Total	17	20	104	628	6	<5	39
2011 Anemia	1 (****)	1 (****)	14 (13.5)	32 (5.1)	1 (****)	1 (****)	3 (7.7)

**Multi Year Anemia in Minnesota WIC Infants and Children by CHB and Race/Ethnicity Alone or in Combination with Other Races (AOIC)
Minnesota WIC Information System**

CHB¹	Amer Indian AOIC NH	Asian AOIC NH²	Black/ African-Amer AOIC NH³	White AOIC NH	American Indian AOIC H	Other AOIC H⁴	White AOIC H
BLUE EARTH							
2019 Total	18	26	255	509	6	15	89
2019 Anemia	4 (****)	2 (****)	49 (19.2)	85 (16.7)	1 (****)	4 (****)	13 (14.6)
2018 Total	14	27	233	542	8	11	84
2018 Anemia	2 (****)	4 (****)	70 (30.0)	142 (26.2)	2 (****)	5 (****)	26 (31.0)
2017 Total	14	20	224	533	<5	10	83
2017 Anemia	5 (****)	4 (****)	76 (33.9)	119 (22.3)	2 (****)	4 (****)	25 (30.1)
2016 Total	21	27	205	607	<5	9	72
2016 Anemia	2 (****)	3 (****)	53 (25.9)	119 (19.6)	0	3 (****)	18 (25.0)
2015 Total	8	26	223	643	<5	8	50
2015 Anemia	1 (****)	4 (****)	50 (22.4)	88 (13.7)	0	3 (****)	9 (18.0)
2014 Total	<5	17	207	655	<5	11	52
2014 Anemia	0	0	39 (18.8)	69 (10.5)	0	3 (****)	7 (13.5)
2013 Total	7	23	192	705	5	6	53
2013 Anemia	2 (****)	1 (****)	18 (9.4)	65 (9.2)	0	0	6 (11.3)
2012 Total	9	24	212	743	5	6	59
2012 Anemia	0	0	27 (12.7)	65 (8.7)	0	0	10 (16.9)
2011 Total	11	32	215	807	7	6	68
2011 Anemia	1 (****)	3 (9.4)	34 (15.8)	86 (10.7)	1 (****)	0	5 (7.4)

**Multi Year Anemia in Minnesota WIC Infants and Children by CHB and Race/Ethnicity Alone or in Combination with Other Races (AOIC)
Minnesota WIC Information System**

CHB ¹	Amer Indian AOIC NH	Asian AOIC NH ²	Black/African-Amer AOIC NH ³	White AOIC NH	American Indian AOIC H	Other AOIC H ⁴	White AOIC H
BROWN-NICOLLET							
2019 Total	16	13	141	502	5	<5	140
2019 Anemia	2 (****)	0	26 (18.4)	41 (8.2)	0	0	13 (9.3)
2018 Total	18	10	119	522	11	8	162
2018 Anemia	2 (****)	2 (****)	19 (16.0)	47 (9.0)	0	1 (****)	20 (12.3)
2017 Total	10	9	132	525	12	9	145
2017 Anemia	1 (****)	0	17 (12.9)	51 (9.7)	2 (****)	0	12 (8.3)
2016 Total	7	8	155	569	16	<5	137
2016 Anemia	0	0	24 (15.5)	29 (5.1)	1 (****)	0	7 (5.1)
2015 Total	7	12	141	601	16	13	171
2015 Anemia	2 (****)	0	15 (10.6)	24 (4.0)	3 (****)	1 (****)	8 (4.7)
2014 Total	8	11	140	643	20	7	166
2014 Anemia	0	0	15 (10.7)	25 (3.9)	0	1 (****)	6 (3.6)
2013 Total	6	14	109	638	20	<5	141
2013 Anemia	0	4 (****)	11 (10.1)	29 (4.5)	0	0	10 (7.1)
2012 Total	<5	9	100	687	22	6	164
2012 Anemia	0	0	8 (8.0)	34 (4.9)	1 (****)	0	17 (10.4)
2011 Total	7	6	84	709	16	5	182
2011 Anemia	0	2 (****)	9 (10.7)	38 (5.4)	1 (****)	0	13 (7.1)

**Multi Year Anemia in Minnesota WIC Infants and Children by CHB and Race/Ethnicity Alone or in Combination with Other Races (AOIC)
Minnesota WIC Information System**

CHB¹	Amer Indian AOIC NH	Asian AOIC NH²	Black/ African-Amer AOIC NH³	White AOIC NH	American Indian AOIC H	Other AOIC H⁴	White AOIC H
CARLTON-COOK-LAKE-ST. LOUIS							
2019 Total	516	53	327	2,262	27	35	123
2019 Anemia	56 (10.9)	7 (13.2)	48 (14.7)	151 (6.7)	4 (****)	6 (17.1)	10 (8.1)
2018 Total	548	44	341	2,370	39	33	136
2018 Anemia	65 (11.9)	6 (13.6)	45 (13.2)	189 (8.0)	5 (12.8)	5 (15.2)	12 (8.8)
2017 Total	564	60	371	2,611	32	35	135
2017 Anemia	57 (10.1)	4 (6.7)	45 (12.1)	174 (6.7)	4 (12.5)	5 (14.3)	9 (6.7)
2016 Total	542	51	340	2,704	35	35	128
2016 Anemia	48 (8.9)	4 (7.8)	41 (12.1)	192 (7.1)	1 (2.9)	3 (8.6)	8 (6.2)
2015 Total	542	60	343	2,816	51	33	152
2015 Anemia	41 (7.6)	4 (6.7)	35 (10.2)	200 (7.1)	1 (2.0)	3 (9.1)	14 (9.2)
2014 Total	548	65	348	2,871	52	21	127
2014 Anemia	48 (8.8)	8 (12.3)	28 (8.0)	162 (5.6)	8 (15.4)	2 (****)	6 (4.7)
2013 Total	558	65	343	3,051	57	28	125
2013 Anemia	40 (7.2)	5 (7.7)	34 (9.9)	201 (6.6)	4 (7.0)	3 (****)	6 (4.8)
2012 Total	602	76	378	3,340	64	28	142
2012 Anemia	28 (4.7)	9 (11.8)	32 (8.5)	160 (4.8)	2 (3.1)	4 (****)	6 (4.2)
2011 Total	623	79	404	3,701	60	25	156
2011 Anemia	49 (7.9)	2 (2.5)	50 (12.4)	214 (5.8)	4 (6.7)	3 (****)	4 (2.6)

**Multi Year Anemia in Minnesota WIC Infants and Children by CHB and Race/Ethnicity Alone or in Combination with Other Races (AOIC)
Minnesota WIC Information System**

CHB¹	Amer Indian AOIC NH	Asian AOIC NH²	Black/ African-Amer AOIC NH³	White AOIC NH	American Indian AOIC H	Other AOIC H⁴	White AOIC H
CARVER							
2019 Total	7	35	122	258	<5	8	123
2019 Anemia	0	5 (14.3)	17 (13.9)	31 (12.0)	0	1 (****)	8 (6.5)
2018 Total	9	32	155	258	<5	9	132
2018 Anemia	1 (****)	1 (3.1)	19 (12.3)	23 (8.9)	1 (****)	0	15 (11.4)
2017 Total	9	30	154	311	6	<5	147
2017 Anemia	0	2 (6.7)	16 (10.4)	30 (9.6)	1 (****)	0	18 (12.2)
2016 Total	12	30	137	308	8	7	143
2016 Anemia	1 (****)	5 (16.7)	20 (14.6)	36 (11.7)	0	2 (****)	13 (9.1)
2015 Total	8	27	140	297	12	8	148
2015 Anemia	0	3 (****)	14 (10.0)	28 (9.4)	1 (****)	2 (****)	16 (10.8)
2014 Total	<5	22	116	327	15	5	145
2014 Anemia	0	2 (****)	8 (6.9)	24 (7.3)	0	1 (****)	14 (9.7)
2013 Total	5	28	110	336	31	6	143
2013 Anemia	0	2 (****)	9 (8.2)	24 (7.1)	0	0	7 (4.9)
2012 Total	8	38	103	352	48	7	140
2012 Anemia	0	3 (7.9)	6 (5.8)	19 (5.4)	5 (10.4)	1 (****)	12 (8.6)
2011 Total	<5	42	99	375	50	8	152
2011 Anemia	2 (****)	3 (7.1)	12 (12.1)	23 (6.1)	4 (8.0)	1 (****)	13 (8.6)

**Multi Year Anemia in Minnesota WIC Infants and Children by CHB and Race/Ethnicity Alone or in Combination with Other Races (AOIC)
Minnesota WIC Information System**

CHB¹	Amer Indian AOIC NH	Asian AOIC NH²	Black/ African-Amer AOIC NH³	White AOIC NH	American Indian AOIC H	Other AOIC H⁴	White AOIC H
CASS							
2019 Total	354	11	29	293	28	<5	15
2019 Anemia	70 (19.8)	4 (****)	6 (****)	16 (5.5)	6 (****)	0	1 (****)
2018 Total	356	12	25	335	23	<5	15
2018 Anemia	95 (26.7)	1 (****)	4 (****)	31 (9.3)	8 (****)	0	1 (****)
2017 Total	313	9	22	367	16	<5	16
2017 Anemia	72 (23.0)	2 (****)	5 (****)	23 (6.3)	2 (****)	1 (****)	2 (****)
2016 Total	310	6	15	414	12	<5	14
2016 Anemia	85 (27.4)	0	1 (****)	26 (6.3)	2 (****)	0	0
2015 Total	420	9	20	412	15	<5	14
2015 Anemia	88 (21.0)	0	2 (****)	29 (7.0)	5 (****)	0	2 (****)
2014 Total	402	5	19	407	13	<5	8
2014 Anemia	79 (19.7)	0	1 (****)	20 (4.9)	0	0	1 (****)
2013 Total	440	5	18	416	13	<5	10
2013 Anemia	89 (20.2)	2 (****)	2 (****)	19 (4.6)	1 (****)	0	0
2012 Total	447	6	18	440	17	<5	9
2012 Anemia	73 (16.3)	2 (****)	1 (****)	25 (5.7)	2 (****)	1 (****)	1 (****)
2011 Total	464	8	25	515	27	<5	11
2011 Anemia	39 (8.4)	0	5 (****)	17 (3.3)	1 (****)	0	0

**Multi Year Anemia in Minnesota WIC Infants and Children by CHB and Race/Ethnicity Alone or in Combination with Other Races (AOIC)
Minnesota WIC Information System**

CHB¹	Amer Indian AOIC NH	Asian AOIC NH²	Black/ African-Amer AOIC NH³	White AOIC NH	American Indian AOIC H	Other AOIC H⁴	White AOIC H
CHISAGO							
2019 Total	25	33	23	433	<5	<5	28
2019 Anemia	3 (****)	3 (9.1)	4 (****)	40 (9.2)	0	1 (****)	1 (****)
2018 Total	20	31	34	468	<5	<5	31
2018 Anemia	3 (****)	2 (6.5)	3 (8.8)	54 (11.5)	0	0	2 (6.5)
2017 Total	25	29	33	517	5	<5	35
2017 Anemia	4 (****)	5 (****)	6 (18.2)	67 (13.0)	1 (****)	1 (****)	4 (11.4)
2016 Total	19	15	25	513	7	<5	43
2016 Anemia	2 (****)	0	3 (****)	61 (11.9)	1 (****)	1 (****)	9 (20.9)
2015 Total	21	21	32	536	6	<5	46
2015 Anemia	2 (****)	4 (****)	2 (6.2)	48 (9.0)	0	0	2 (4.3)
2014 Total	20	25	24	527	6	<5	43
2014 Anemia	1 (****)	2 (****)	0	34 (6.5)	2 (****)	0	3 (7.0)
2013 Total	18	20	22	605	8	5	42
2013 Anemia	0	1 (****)	3 (****)	30 (5.0)	0	0	3 (7.1)
2012 Total	19	19	21	635	8	8	44
2012 Anemia	1 (****)	3 (****)	1 (****)	37 (5.8)	1 (****)	0	2 (4.5)
2011 Total	24	20	23	663	10	7	50
2011 Anemia	2 (****)	2 (****)	2 (****)	59 (8.9)	0	0	3 (6.0)

**Multi Year Anemia in Minnesota WIC Infants and Children by CHB and Race/Ethnicity Alone or in Combination with Other Races (AOIC)
Minnesota WIC Information System**

CHB¹	Amer Indian AOIC NH	Asian AOIC NH²	Black/ African-Amer AOIC NH³	White AOIC NH	American Indian AOIC H	Other AOIC H⁴	White AOIC H
COUNTRYSIDE							
2019 Total	30	55	29	557	10	<5	153
2019 Anemia	4 (13.3)	10 (18.2)	6 (****)	53 (9.5)	3 (****)	0	22 (14.4)
2018 Total	31	66	34	602	8	6	178
2018 Anemia	3 (9.7)	9 (13.6)	7 (20.6)	44 (7.3)	4 (****)	1 (****)	26 (14.6)
2017 Total	36	55	40	641	11	11	177
2017 Anemia	4 (11.1)	13 (23.6)	9 (22.5)	73 (11.4)	4 (****)	2 (****)	36 (20.3)
2016 Total	34	39	46	658	13	9	190
2016 Anemia	2 (5.9)	7 (17.9)	3 (6.5)	53 (8.1)	1 (****)	3 (****)	27 (14.2)
2015 Total	28	38	46	701	12	9	191
2015 Anemia	7 (****)	12 (31.6)	14 (30.4)	93 (13.3)	2 (****)	3 (****)	35 (18.3)
2014 Total	25	41	43	712	13	8	175
2014 Anemia	2 (****)	4 (9.8)	6 (14.0)	81 (11.4)	0	1 (****)	31 (17.7)
2013 Total	18	26	30	763	17	6	151
2013 Anemia	3 (****)	2 (****)	3 (10.0)	79 (10.4)	6 (****)	0	16 (10.6)
2012 Total	31	25	37	831	10	7	148
2012 Anemia	3 (9.7)	5 (****)	7 (18.9)	72 (8.7)	1 (****)	0	22 (14.9)
2011 Total	33	24	40	896	10	6	137
2011 Anemia	5 (15.2)	2 (****)	5 (12.5)	68 (7.6)	1 (****)	0	16 (11.7)

**Multi Year Anemia in Minnesota WIC Infants and Children by CHB and Race/Ethnicity Alone or in Combination with Other Races (AOIC)
Minnesota WIC Information System**

CHB ¹	Amer Indian AOIC NH	Asian AOIC NH ²	Black/African-Amer AOIC NH ³	White AOIC NH	American Indian AOIC H	Other AOIC H ⁴	White AOIC H
CROW WING							
2019 Total	82	8	47	825	6	7	39
2019 Anemia	9 (11.0)	0	3 (6.4)	72 (8.7)	2 (****)	0	7 (17.9)
2018 Total	66	11	54	858	<5	8	43
2018 Anemia	8 (12.1)	1 (****)	5 (9.3)	113 (13.2)	2 (****)	1 (****)	9 (20.9)
2017 Total	65	13	72	938	9	11	42
2017 Anemia	9 (13.8)	3 (****)	16 (22.2)	175 (18.7)	2 (****)	2 (****)	10 (23.8)
2016 Total	78	16	69	999	<5	9	42
2016 Anemia	15 (19.2)	4 (****)	20 (29.0)	191 (19.1)	0	3 (****)	7 (16.7)
2015 Total	74	17	73	1,069	6	7	39
2015 Anemia	5 (6.8)	1 (****)	9 (12.3)	83 (7.8)	1 (****)	1 (****)	3 (7.7)
2014 Total	67	10	68	1,134	<5	<5	39
2014 Anemia	5 (7.5)	1 (****)	10 (14.7)	82 (7.2)	1 (****)	0	3 (7.7)
2013 Total	74	11	63	1,206	8	7	33
2013 Anemia	3 (4.1)	0	7 (11.1)	60 (5.0)	0	0	2 (6.1)
2012 Total	64	9	58	1,254	5	8	37
2012 Anemia	3 (4.7)	1 (****)	7 (12.1)	52 (4.1)	0	0	0
2011 Total	54	10	59	1,442	5	6	31
2011 Anemia	6 (11.1)	2 (****)	4 (6.8)	52 (3.6)	2 (****)	1 (****)	1 (3.2)

**Multi Year Anemia in Minnesota WIC Infants and Children by CHB and Race/Ethnicity Alone or in Combination with Other Races (AOIC)
Minnesota WIC Information System**

CHB¹	Amer Indian AOIC NH	Asian AOIC NH²	Black/ African-Amer AOIC NH³	White AOIC NH	American Indian AOIC H	Other AOIC H⁴	White AOIC H
DAKOTA							
2019 Total	74	300	1,695	1,417	115	127	1,018
2019 Anemia	9 (12.2)	19 (6.3)	194 (11.4)	124 (8.8)	12 (10.4)	9 (7.1)	86 (8.4)
2018 Total	90	324	1,789	1,545	165	141	1,086
2018 Anemia	21 (23.3)	39 (12.0)	180 (10.1)	147 (9.5)	22 (13.3)	15 (10.6)	109 (10.0)
2017 Total	92	306	1,824	1,638	158	128	1,050
2017 Anemia	10 (10.9)	20 (6.5)	193 (10.6)	153 (9.3)	9 (5.7)	16 (12.5)	93 (8.9)
2016 Total	84	339	1,738	1,740	236	139	1,082
2016 Anemia	6 (7.1)	37 (10.9)	189 (10.9)	148 (8.5)	28 (11.9)	15 (10.8)	109 (10.1)
2015 Total	84	344	1,697	1,829	308	142	1,096
2015 Anemia	3 (3.6)	28 (8.1)	191 (11.3)	147 (8.0)	14 (4.5)	17 (12.0)	85 (7.8)
2014 Total	103	317	1,682	2,042	413	124	1,035
2014 Anemia	10 (9.7)	24 (7.6)	158 (9.4)	133 (6.5)	29 (7.0)	11 (8.9)	83 (8.0)
2013 Total	91	317	1,654	2,078	584	135	1,089
2013 Anemia	12 (13.2)	17 (5.4)	170 (10.3)	149 (7.2)	47 (8.0)	18 (13.3)	90 (8.3)
2012 Total	92	301	1,646	2,253	700	106	974
2012 Anemia	12 (13.0)	22 (7.3)	185 (11.2)	182 (8.1)	51 (7.3)	9 (8.5)	78 (8.0)
2011 Total	112	316	1,620	2,356	885	121	947
2011 Anemia	15 (13.4)	23 (7.3)	177 (10.9)	172 (7.3)	55 (6.2)	13 (10.7)	83 (8.8)

**Multi Year Anemia in Minnesota WIC Infants and Children by CHB and Race/Ethnicity Alone or in Combination with Other Races (AOIC)
Minnesota WIC Information System**

CHB¹	Amer Indian AOIC NH	Asian AOIC NH²	Black/ African-Amer AOIC NH³	White AOIC NH	American Indian AOIC H	Other AOIC H⁴	White AOIC H
DES MOINES VALLEY							
2019 Total	13	31	32	244	8	10	101
2019 Anemia	0	3 (9.7)	4 (12.5)	21 (8.6)	5 (****)	2 (****)	15 (14.9)
2018 Total	9	31	35	250	<5	6	105
2018 Anemia	0	7 (22.6)	7 (20.0)	37 (14.8)	0	0	14 (13.3)
2017 Total	16	29	33	260	<5	5	102
2017 Anemia	4 (****)	11 (****)	16 (48.5)	86 (33.1)	0	2 (****)	24 (23.5)
2016 Total	19	31	28	262	6	8	109
2016 Anemia	3 (****)	6 (19.4)	4 (****)	31 (11.8)	0	2 (****)	14 (12.8)
2015 Total	34	51	27	294	9	5	86
2015 Anemia	9 (26.5)	16 (31.4)	8 (****)	41 (13.9)	0	1 (****)	11 (12.8)
2014 Total	28	39	14	270	10	<5	104
2014 Anemia	2 (****)	11 (28.2)	3 (****)	38 (14.1)	0	0	10 (9.6)
2013 Total	42	39	15	311	10	5	102
2013 Anemia	7 (16.7)	10 (25.6)	1 (****)	40 (12.9)	1 (****)	0	12 (11.8)
2012 Total	39	39	15	337	12	5	114
2012 Anemia	10 (25.6)	11 (28.2)	8 (****)	67 (19.9)	1 (****)	1 (****)	22 (19.3)
2011 Total	40	43	12	349	8	5	103
2011 Anemia	4 (10.0)	6 (14.0)	0	39 (11.2)	1 (****)	1 (****)	11 (10.7)

**Multi Year Anemia in Minnesota WIC Infants and Children by CHB and Race/Ethnicity Alone or in Combination with Other Races (AOIC)
Minnesota WIC Information System**

CHB¹	Amer Indian AOIC NH	Asian AOIC NH²	Black/ African-Amer AOIC NH³	White AOIC NH	American Indian AOIC H	Other AOIC H⁴	White AOIC H
DODGE-STEELE							
2019 Total	8	16	170	486	<5	10	223
2019 Anemia	2 (***)	4 (***)	29 (17.1)	49 (10.1)	2 (***)	1 (***)	28 (12.6)
2018 Total	8	24	181	515	9	8	229
2018 Anemia	0	1 (***)	16 (8.8)	45 (8.7)	1 (***)	0	9 (3.9)
2017 Total	<5	28	179	550	8	12	259
2017 Anemia	0	0	11 (6.1)	51 (9.3)	2 (***)	0	13 (5.0)
2016 Total	11	30	176	669	7	10	284
2016 Anemia	1 (***)	0	26 (14.8)	70 (10.5)	1 (***)	1 (***)	17 (6.0)
2015 Total	10	24	192	654	6	9	291
2015 Anemia	1 (***)	4 (***)	33 (17.2)	67 (10.2)	1 (***)	1 (***)	35 (12.0)
2014 Total	18	19	196	685	9	10	279
2014 Anemia	4 (***)	2 (***)	26 (13.3)	56 (8.2)	1 (***)	2 (***)	23 (8.2)
2013 Total	24	16	195	765	12	11	266
2013 Anemia	1 (***)	1 (***)	17 (8.7)	52 (6.8)	1 (***)	4 (***)	27 (10.2)
2012 Total	20	19	186	806	15	11	279
2012 Anemia	1 (***)	0	10 (5.4)	62 (7.7)	2 (***)	1 (***)	12 (4.3)
2011 Total	21	22	188	894	22	9	304
2011 Anemia	1 (***)	0	15 (8.0)	58 (6.5)	3 (***)	0	18 (5.9)

**Multi Year Anemia in Minnesota WIC Infants and Children by CHB and Race/Ethnicity Alone or in Combination with Other Races (AOIC)
Minnesota WIC Information System**

CHB¹	Amer Indian AOIC NH	Asian AOIC NH²	Black/ African-Amer AOIC NH³	White AOIC NH	American Indian AOIC H	Other AOIC H⁴	White AOIC H
FARIBAULT-MARTIN							
2019 Total	5	<5	19	381	<5	<5	186
2019 Anemia	1 (****)	0	3 (****)	30 (7.9)	0	1 (****)	22 (11.8)
2018 Total	6	5	16	375	<5	<5	167
2018 Anemia	2 (****)	0	3 (****)	47 (12.5)	0	0	32 (19.2)
2017 Total	9	7	18	426	6	5	172
2017 Anemia	2 (****)	0	3 (****)	73 (17.1)	1 (****)	0	29 (16.9)
2016 Total	10	7	19	483	5	5	146
2016 Anemia	1 (****)	2 (****)	2 (****)	54 (11.2)	1 (****)	0	24 (16.4)
2015 Total	8	9	25	502	8	7	139
2015 Anemia	1 (****)	1 (****)	7 (****)	74 (14.7)	3 (****)	1 (****)	22 (15.8)
2014 Total	8	10	21	576	7	<5	136
2014 Anemia	1 (****)	1 (****)	5 (****)	73 (12.7)	1 (****)	1 (****)	13 (9.6)
2013 Total	10	9	19	555	7	5	130
2013 Anemia	0	0	3 (****)	47 (8.5)	0	1 (****)	18 (13.8)
2012 Total	11	9	27	593	9	5	140
2012 Anemia	2 (****)	0	5 (****)	48 (8.1)	2 (****)	1 (****)	9 (6.4)
2011 Total	14	10	23	627	12	<5	156
2011 Anemia	1 (****)	0	2 (****)	49 (7.8)	1 (****)	0	14 (9.0)

**Multi Year Anemia in Minnesota WIC Infants and Children by CHB and Race/Ethnicity Alone or in Combination with Other Races (AOIC)
Minnesota WIC Information System**

CHB ¹	Amer Indian AOIC NH	Asian AOIC NH ²	Black/African-Amer AOIC NH ³	White AOIC NH	American Indian AOIC H	Other AOIC H ⁴	White AOIC H
FILLMORE-HOUSTON							
2019 Total	6	13	19	443	0	<5	20
2019 Anemia	2 (****)	2 (****)	3 (****)	60 (13.5)	0	2 (****)	3 (****)
2018 Total	7	10	24	443	0	<5	22
2018 Anemia	2 (****)	1 (****)	5 (****)	63 (14.2)	0	0	1 (****)
2017 Total	6	10	27	451	<5	<5	25
2017 Anemia	1 (****)	1 (****)	2 (****)	52 (11.5)	0	0	4 (****)
2016 Total	6	10	25	479	<5	6	22
2016 Anemia	1 (****)	1 (****)	4 (****)	45 (9.4)	0	1 (****)	3 (****)
2015 Total	8	10	32	488	<5	5	25
2015 Anemia	1 (****)	0	6 (18.8)	43 (8.8)	0	1 (****)	3 (****)
2014 Total	<5	6	24	472	<5	<5	17
2014 Anemia	1 (****)	2 (****)	4 (****)	67 (14.2)	0	0	1 (****)
2013 Total	<5	<5	19	473	<5	<5	19
2013 Anemia	1 (****)	0	5 (****)	61 (12.9)	2 (****)	1 (****)	3 (****)
2012 Total	<5	<5	23	522	<5	<5	18
2012 Anemia	1 (****)	0	4 (****)	76 (14.6)	0	0	3 (****)
2011 Total	0	9	22	602	<5	<5	15
2011 Anemia	0	2 (****)	2 (****)	51 (8.5)	2 (****)	1 (****)	4 (****)

**Multi Year Anemia in Minnesota WIC Infants and Children by CHB and Race/Ethnicity Alone or in Combination with Other Races (AOIC)
Minnesota WIC Information System**

CHB¹	Amer Indian AOIC NH	Asian AOIC NH²	Black/ African-Amer AOIC NH³	White AOIC NH	American Indian AOIC H	Other AOIC H⁴	White AOIC H
FREEBORN							
2019 Total	<5	83	48	303	6	8	159
2019 Anemia	0	11 (13.3)	0	8 (2.6)	0	0	8 (5.0)
2018 Total	<5	82	40	311	6	6	156
2018 Anemia	0	15 (18.3)	6 (15.0)	22 (7.1)	0	0	13 (8.3)
2017 Total	<5	72	40	343	<5	9	193
2017 Anemia	0	14 (19.4)	7 (17.5)	25 (7.3)	0	4 (****)	18 (9.3)
2016 Total	<5	76	51	382	<5	5	162
2016 Anemia	0	15 (19.7)	9 (17.6)	26 (6.8)	1 (****)	0	18 (11.1)
2015 Total	6	64	69	438	6	11	205
2015 Anemia	0	10 (15.6)	18 (26.1)	30 (6.8)	0	2 (****)	16 (7.8)
2014 Total	<5	41	62	451	<5	9	242
2014 Anemia	0	9 (22.0)	11 (17.7)	22 (4.9)	0	1 (****)	18 (7.4)
2013 Total	<5	34	53	446	7	14	235
2013 Anemia	0	8 (23.5)	11 (20.8)	14 (3.1)	0	2 (****)	10 (4.3)
2012 Total	<5	33	48	469	12	14	275
2012 Anemia	0	4 (12.1)	2 (4.2)	8 (1.7)	0	1 (****)	11 (4.0)
2011 Total	11	37	42	492	13	11	286
2011 Anemia	0	11 (29.7)	3 (7.1)	19 (3.9)	2 (****)	1 (****)	16 (5.6)

**Multi Year Anemia in Minnesota WIC Infants and Children by CHB and Race/Ethnicity Alone or in Combination with Other Races (AOIC)
Minnesota WIC Information System**

CHB¹	Amer Indian AOIC NH	Asian AOIC NH²	Black/ African-Amer AOIC NH³	White AOIC NH	American Indian AOIC H	Other AOIC H⁴	White AOIC H
GOODHUE							
2019 Total	18	84	529	232	36	26	246
2019 Anemia	1 (****)	9 (10.7)	60 (11.3)	13 (5.6)	1 (2.8)	0	17 (6.9)
2018 Total	19	10	64	352	44	6	35
2018 Anemia	2 (****)	1 (****)	18 (28.1)	28 (8.0)	4 (9.1)	2 (****)	7 (20.0)
2017 Total	26	15	67	430	43	5	33
2017 Anemia	1 (****)	2 (****)	12 (17.9)	37 (8.6)	6 (14.0)	2 (****)	5 (15.2)
2016 Total	29	13	60	417	49	9	44
2016 Anemia	1 (****)	3 (****)	7 (11.7)	32 (7.7)	8 (16.3)	1 (****)	4 (9.1)
2015 Total	24	10	55	451	53	8	48
2015 Anemia	3 (****)	5 (****)	9 (16.4)	41 (9.1)	4 (7.5)	0	2 (4.2)
2014 Total	32	14	64	459	65	11	46
2014 Anemia	3 (9.4)	2 (****)	11 (17.2)	45 (9.8)	7 (10.8)	1 (****)	3 (6.5)
2013 Total	24	8	60	499	76	9	47
2013 Anemia	1 (****)	0	6 (10.0)	32 (6.4)	6 (7.9)	2 (****)	2 (4.3)
2012 Total	29	7	74	524	73	7	52
2012 Anemia	2 (****)	1 (****)	5 (6.8)	31 (5.9)	7 (9.6)	0	1 (1.9)
2011 Total	23	7	59	551	86	6	61
2011 Anemia	2 (****)	0	8 (13.6)	34 (6.2)	6 (7.0)	0	5 (8.2)

**Multi Year Anemia in Minnesota WIC Infants and Children by CHB and Race/Ethnicity Alone or in Combination with Other Races (AOIC)
Minnesota WIC Information System**

CHB¹	Amer Indian AOIC NH	Asian AOIC NH²	Black/ African-Amer AOIC NH³	White AOIC NH	American Indian AOIC H	Other AOIC H⁴	White AOIC H
HENNEPIN-BLOOMINGTON							
2019 Total	18	84	529	232	36	26	246
2019 Anemia	1 (****)	9 (10.7)	60 (11.3)	13 (5.6)	1 (2.8)	0	17 (6.9)
2018 Total	23	86	492	228	59	30	281
2018 Anemia	2 (****)	11 (12.8)	39 (7.9)	19 (8.3)	2 (3.4)	3 (10.0)	20 (7.1)
2017 Total	19	92	516	270	86	22	285
2017 Anemia	0	14 (15.2)	55 (10.7)	15 (5.6)	7 (8.1)	3 (****)	22 (7.7)
2016 Total	22	106	489	272	107	20	271
2016 Anemia	0	16 (15.1)	70 (14.3)	20 (7.4)	14 (13.1)	2 (****)	20 (7.4)
2015 Total	22	111	497	260	125	19	263
2015 Anemia	1 (****)	14 (12.6)	65 (13.1)	18 (6.9)	12 (9.6)	1 (****)	21 (8.0)
2014 Total	27	100	483	297	144	20	225
2014 Anemia	1 (****)	8 (8.0)	46 (9.5)	27 (9.1)	16 (11.1)	2 (****)	21 (9.3)
2013 Total	25	103	480	330	156	19	238
2013 Anemia	1 (****)	16 (15.5)	54 (11.2)	23 (7.0)	14 (9.0)	2 (****)	25 (10.5)
2012 Total	21	96	450	331	163	30	265
2012 Anemia	4 (****)	12 (12.5)	67 (14.9)	30 (9.1)	17 (10.4)	4 (13.3)	33 (12.5)
2011 Total	32	99	449	327	144	23	296
2011 Anemia	3 (9.4)	9 (9.1)	60 (13.4)	25 (7.6)	21 (14.6)	2 (****)	32 (10.8)

**Multi Year Anemia in Minnesota WIC Infants and Children by CHB and Race/Ethnicity Alone or in Combination with Other Races (AOIC)
Minnesota WIC Information System**

CHB¹	Amer Indian AOIC NH	Asian AOIC NH²	Black/ African-Amer AOIC NH³	White AOIC NH	American Indian AOIC H	Other AOIC H⁴	White AOIC H
HENNEPIN-EDINA							
2019 Total	<5	11	67	38	<5	<5	22
2019 Anemia	0	1 (****)	10 (14.9)	6 (15.8)	0	1 (****)	0
2018 Total	<5	11	71	34	5	<5	22
2018 Anemia	0	1 (****)	5 (7.0)	3 (8.8)	0	0	1 (****)
2017 Total	<5	12	74	44	9	<5	18
2017 Anemia	0	1 (****)	7 (9.5)	3 (6.8)	1 (****)	0	2 (****)
2016 Total	<5	12	76	47	11	<5	18
2016 Anemia	0	2 (****)	9 (11.8)	5 (10.6)	0	0	2 (****)
2015 Total	<5	11	84	49	8	<5	24
2015 Anemia	1 (****)	0	10 (11.9)	3 (6.1)	0	0	1 (****)
2014 Total	<5	14	90	47	9	<5	25
2014 Anemia	0	2 (****)	8 (8.9)	3 (6.4)	1 (****)	0	3 (****)
2013 Total	<5	9	92	54	9	<5	26
2013 Anemia	0	1 (****)	12 (13.0)	4 (7.4)	1 (****)	0	4 (****)
2012 Total	<5	10	85	52	7	6	23
2012 Anemia	1 (****)	2 (****)	11 (12.9)	3 (5.8)	1 (****)	0	2 (****)
2011 Total	<5	12	96	47	7	<5	25
2011 Anemia	0	2 (****)	3 (3.1)	4 (8.5)	0	0	3 (****)

**Multi Year Anemia in Minnesota WIC Infants and Children by CHB and Race/Ethnicity Alone or in Combination with Other Races (AOIC)
Minnesota WIC Information System**

CHB¹	Amer Indian AOIC NH	Asian AOIC NH²	Black/ African-Amer AOIC NH³	White AOIC NH	American Indian AOIC H	Other AOIC H⁴	White AOIC H
HENNEPIN-MINNEAPOLIS							
2019 Total	258	620	4,203	723	322	159	1,316
2019 Anemia	40 (15.5)	108 (17.4)	964 (22.9)	119 (16.5)	57 (17.7)	24 (15.1)	220 (16.7)
2018 Total	326	722	4,997	884	435	194	1,570
2018 Anemia	71 (21.8)	122 (16.9)	1,179 (23.6)	164 (18.6)	79 (18.2)	28 (14.4)	271 (17.3)
2017 Total	359	810	5,338	1,033	626	223	1,772
2017 Anemia	83 (23.1)	135 (16.7)	1,184 (22.2)	178 (17.2)	114 (18.2)	45 (20.2)	338 (19.1)
2016 Total	454	898	5,758	1,157	768	258	1,945
2016 Anemia	105 (23.1)	119 (13.3)	1,211 (21.0)	178 (15.4)	123 (16.0)	51 (19.8)	341 (17.5)
2015 Total	487	991	5,738	1,179	915	243	2,104
2015 Anemia	112 (23.0)	152 (15.3)	1,248 (21.7)	187 (15.9)	173 (18.9)	50 (20.6)	369 (17.5)
2014 Total	539	988	5,783	1,341	1,132	266	2,305
2014 Anemia	115 (21.3)	152 (15.4)	1,109 (19.2)	224 (16.7)	187 (16.5)	57 (21.4)	369 (16.0)
2013 Total	525	995	5,469	1,341	1,271	246	2,462
2013 Anemia	106 (20.2)	148 (14.9)	1,019 (18.6)	207 (15.4)	210 (16.5)	52 (21.1)	376 (15.3)
2012 Total	536	913	5,150	1,378	1,378	241	2,620
2012 Anemia	87 (16.2)	157 (17.2)	961 (18.7)	180 (13.1)	190 (13.8)	36 (14.9)	383 (14.6)
2011 Total	549	947	5,380	1,517	1,607	251	2,964
2011 Anemia	109 (19.9)	129 (13.6)	940 (17.5)	207 (13.6)	246 (15.3)	36 (14.3)	399 (13.5)

**Multi Year Anemia in Minnesota WIC Infants and Children by CHB and Race/Ethnicity Alone or in Combination with Other Races (AOIC)
Minnesota WIC Information System**

CHB¹	Amer Indian AOIC NH	Asian AOIC NH²	Black/ African-Amer AOIC NH³	White AOIC NH	American Indian AOIC H	Other AOIC H⁴	White AOIC H
HENNEPIN-RICHFIELD							
2019 Total	15	34	162	85	46	16	205
2019 Anemia	2 (****)	6 (17.6)	21 (13.0)	8 (9.4)	4 (8.7)	1 (****)	13 (6.3)
2018 Total	17	44	180	99	69	13	244
2018 Anemia	1 (****)	6 (13.6)	18 (10.0)	9 (9.1)	10 (14.5)	2 (****)	26 (10.7)
2017 Total	16	36	184	108	98	13	237
2017 Anemia	0	5 (13.9)	15 (8.2)	9 (8.3)	7 (7.1)	2 (****)	19 (8.0)
2016 Total	16	36	190	113	132	12	241
2016 Anemia	0	4 (11.1)	20 (10.5)	13 (11.5)	10 (7.6)	1 (****)	26 (10.8)
2015 Total	13	35	186	126	175	6	258
2015 Anemia	2 (****)	5 (14.3)	19 (10.2)	11 (8.7)	13 (7.4)	0	25 (9.7)
2014 Total	11	49	185	116	212	14	273
2014 Anemia	4 (****)	6 (12.2)	29 (15.7)	11 (9.5)	13 (6.1)	3 (****)	28 (10.3)
2013 Total	17	54	182	123	219	12	298
2013 Anemia	1 (****)	5 (9.3)	25 (13.7)	12 (9.8)	13 (5.9)	2 (****)	25 (8.4)
2012 Total	23	64	177	131	222	17	284
2012 Anemia	4 (****)	5 (7.8)	24 (13.6)	15 (11.5)	17 (7.7)	2 (****)	21 (7.4)
2011 Total	19	42	165	142	209	17	370
2011 Anemia	3 (****)	2 (4.8)	22 (13.3)	14 (9.9)	21 (10.0)	3 (****)	30 (8.1)

**Multi Year Anemia in Minnesota WIC Infants and Children by CHB and Race/Ethnicity Alone or in Combination with Other Races (AOIC)
Minnesota WIC Information System**

CHB¹	Amer Indian AOIC NH	Asian AOIC NH²	Black/ African-Amer AOIC NH³	White AOIC NH	American Indian AOIC H	Other AOIC H⁴	White AOIC H
HENNEPIN-SUBURBAN							
2019 Total	118	1,039	3,284	1,298	113	132	678
2019 Anemia	22 (18.6)	156 (15.0)	732 (22.3)	182 (14.0)	14 (12.4)	26 (19.7)	93 (13.7)
2018 Total	159	1,198	3,682	1,484	142	144	772
2018 Anemia	26 (16.4)	216 (18.0)	819 (22.2)	212 (14.3)	20 (14.1)	18 (12.5)	119 (15.4)
2017 Total	159	1,357	3,978	1,689	170	163	932
2017 Anemia	30 (18.9)	204 (15.0)	854 (21.5)	234 (13.9)	29 (17.1)	29 (17.8)	126 (13.5)
2016 Total	158	1,339	3,996	1,765	167	160	940
2016 Anemia	33 (20.9)	203 (15.2)	857 (21.4)	227 (12.9)	32 (19.2)	32 (20.0)	137 (14.6)
2015 Total	170	1,353	4,064	1,871	267	189	1,064
2015 Anemia	29 (17.1)	195 (14.4)	902 (22.2)	243 (13.0)	40 (15.0)	26 (13.8)	161 (15.1)
2014 Total	198	1,316	4,019	1,937	341	187	1,069
2014 Anemia	32 (16.2)	220 (16.7)	886 (22.0)	269 (13.9)	56 (16.4)	34 (18.2)	174 (16.3)
2013 Total	175	1,271	3,943	2,012	403	173	1,100
2013 Anemia	29 (16.6)	175 (13.8)	829 (21.0)	242 (12.0)	65 (16.1)	32 (18.5)	173 (15.7)
2012 Total	178	1,171	3,896	1,954	470	155	1,153
2012 Anemia	18 (10.1)	143 (12.2)	821 (21.1)	216 (11.1)	52 (11.1)	26 (16.8)	127 (11.0)
2011 Total	171	1,276	4,089	2,183	513	179	1,332
2011 Anemia	27 (15.8)	204 (16.0)	894 (21.9)	248 (11.4)	64 (12.5)	39 (21.8)	154 (11.6)

**Multi Year Anemia in Minnesota WIC Infants and Children by CHB and Race/Ethnicity Alone or in Combination with Other Races (AOIC)
Minnesota WIC Information System**

CHB¹	Amer Indian AOIC NH	Asian AOIC NH²	Black/ African-Amer AOIC NH³	White AOIC NH	American Indian AOIC H	Other AOIC H⁴	White AOIC H
HORIZON							
2019 Total	30	14	38	799	5	10	93
2019 Anemia	5 (16.7)	3 (****)	15 (39.5)	123 (15.4)	1 (****)	1 (****)	16 (17.2)
2018 Total	33	12	37	856	7	12	116
2018 Anemia	3 (9.1)	2 (****)	6 (16.2)	135 (15.8)	0	4 (****)	21 (18.1)
2017 Total	26	13	46	920	9	11	111
2017 Anemia	1 (****)	2 (****)	6 (13.0)	104 (11.3)	2 (****)	2 (****)	14 (12.6)
2016 Total	17	12	41	956	8	7	114
2016 Anemia	1 (****)	2 (****)	7 (17.1)	124 (13.0)	1 (****)	1 (****)	15 (13.2)
2015 Total	28	14	50	992	12	9	124
2015 Anemia	2 (****)	0	5 (10.0)	86 (8.7)	3 (****)	1 (****)	15 (12.1)
2014 Total	30	11	60	1,092	14	12	121
2014 Anemia	1 (3.3)	1 (****)	8 (13.3)	114 (10.4)	3 (****)	1 (****)	15 (12.4)
2013 Total	34	14	52	1,080	8	12	99
2013 Anemia	4 (11.8)	1 (****)	6 (11.5)	87 (8.1)	0	0	11 (11.1)
2012 Total	36	17	60	1,186	11	6	88
2012 Anemia	2 (5.6)	0	7 (11.7)	97 (8.2)	0	0	3 (3.4)
2011 Total	32	17	48	1,245	11	<5	99
2011 Anemia	2 (6.2)	1 (****)	6 (12.5)	75 (6.0)	0	0	5 (5.1)

**Multi Year Anemia in Minnesota WIC Infants and Children by CHB and Race/Ethnicity Alone or in Combination with Other Races (AOIC)
Minnesota WIC Information System**

CHB¹	Amer Indian AOIC NH	Asian AOIC NH²	Black/ African-Amer AOIC NH³	White AOIC NH	American Indian AOIC H	Other AOIC H⁴	White AOIC H
ISANTI							
2019 Total	18	20	42	533	5	5	26
2019 Anemia	1 (****)	1 (****)	3 (7.1)	30 (5.6)	1 (****)	2 (****)	2 (****)
2018 Total	27	16	30	520	8	<5	39
2018 Anemia	1 (****)	1 (****)	2 (6.7)	23 (4.4)	0	1 (****)	4 (10.3)
2017 Total	32	20	34	569	6	<5	35
2017 Anemia	2 (6.2)	1 (****)	1 (2.9)	31 (5.4)	1 (****)	0	2 (5.7)
2016 Total	31	20	29	618	8	<5	37
2016 Anemia	1 (3.2)	2 (****)	6 (****)	29 (4.7)	0	0	2 (5.4)
2015 Total	40	16	26	633	<5	<5	28
2015 Anemia	3 (7.5)	0	1 (****)	35 (5.5)	0	0	0
2014 Total	20	23	27	593	<5	<5	34
2014 Anemia	1 (****)	1 (****)	2 (****)	25 (4.2)	0	0	0
2013 Total	17	24	27	623	5	<5	30
2013 Anemia	1 (****)	1 (****)	3 (****)	19 (3.0)	0	1 (****)	0
2012 Total	22	22	27	721	<5	<5	34
2012 Anemia	1 (****)	2 (****)	0	34 (4.7)	0	0	2 (5.9)
2011 Total	16	21	24	721	5	6	41
2011 Anemia	1 (****)	2 (****)	2 (****)	30 (4.2)	0	0	1 (2.4)

**Multi Year Anemia in Minnesota WIC Infants and Children by CHB and Race/Ethnicity Alone or in Combination with Other Races (AOIC)
Minnesota WIC Information System**

CHB¹	Amer Indian AOIC NH	Asian AOIC NH²	Black/ African-Amer AOIC NH³	White AOIC NH	American Indian AOIC H	Other AOIC H⁴	White AOIC H
KANABEC							
2019 Total	15	11	<5	264	<5	<5	15
2019 Anemia	1 (****)	1 (****)	0	38 (14.4)	1 (****)	0	2 (****)
2018 Total	16	13	10	269	<5	<5	19
2018 Anemia	3 (****)	2 (****)	2 (****)	43 (16.0)	0	0	2 (****)
2017 Total	19	8	15	261	<5	6	18
2017 Anemia	3 (****)	2 (****)	4 (****)	33 (12.6)	1 (****)	1 (****)	2 (****)
2016 Total	15	7	13	278	<5	<5	19
2016 Anemia	3 (****)	3 (****)	1 (****)	44 (15.8)	0	0	1 (****)
2015 Total	11	<5	7	272	<5	6	24
2015 Anemia	4 (****)	0	4 (****)	37 (13.6)	0	1 (****)	4 (****)
2014 Total	9	<5	12	290	<5	<5	21
2014 Anemia	1 (****)	0	2 (****)	43 (14.8)	0	1 (****)	1 (****)
2013 Total	8	5	9	294	0	<5	23
2013 Anemia	1 (****)	0	1 (****)	44 (15.0)	0	1 (****)	3 (****)
2012 Total	10	0	9	292	5	<5	18
2012 Anemia	1 (****)	0	2 (****)	39 (13.4)	1 (****)	1 (****)	2 (****)
2011 Total	8	<5	5	333	6	<5	22
2011 Anemia	2 (****)	0	1 (****)	36 (10.8)	0	0	0

**Multi Year Anemia in Minnesota WIC Infants and Children by CHB and Race/Ethnicity Alone or in Combination with Other Races (AOIC)
Minnesota WIC Information System**

CHB¹	Amer Indian AOIC NH	Asian AOIC NH²	Black/ African-Amer AOIC NH³	White AOIC NH	American Indian AOIC H	Other AOIC H⁴	White AOIC H
KANDIYOHI-RENVILLE							
2019 Total	29	45	405	576	20	12	506
2019 Anemia	3 (****)	4 (8.9)	61 (15.1)	62 (10.8)	1 (****)	2 (****)	74 (14.6)
2018 Total	24	51	401	599	16	10	502
2018 Anemia	2 (****)	12 (23.5)	56 (14.0)	56 (9.3)	0	1 (****)	51 (10.2)
2017 Total	24	29	395	627	19	7	491
2017 Anemia	2 (****)	2 (****)	59 (14.9)	45 (7.2)	2 (****)	1 (****)	62 (12.6)
2016 Total	31	24	374	684	15	6	493
2016 Anemia	2 (6.5)	5 (****)	55 (14.7)	65 (9.5)	0	0	44 (8.9)
2015 Total	23	21	345	669	14	9	526
2015 Anemia	4 (****)	1 (****)	52 (15.1)	69 (10.3)	0	2 (****)	56 (10.6)
2014 Total	20	22	295	696	12	<5	481
2014 Anemia	3 (****)	1 (****)	45 (15.3)	63 (9.1)	1 (****)	1 (****)	37 (7.7)
2013 Total	21	23	240	746	13	<5	523
2013 Anemia	0	3 (****)	35 (14.6)	67 (9.0)	1 (****)	0	58 (11.1)
2012 Total	32	22	182	816	17	7	555
2012 Anemia	2 (6.2)	2 (****)	30 (16.5)	60 (7.4)	3 (****)	0	64 (11.5)
2011 Total	43	26	164	882	10	8	552
2011 Anemia	1 (2.3)	3 (****)	23 (14.0)	57 (6.5)	2 (****)	0	62 (11.2)

**Multi Year Anemia in Minnesota WIC Infants and Children by CHB and Race/Ethnicity Alone or in Combination with Other Races (AOIC)
Minnesota WIC Information System**

CHB¹	Amer Indian AOIC NH	Asian AOIC NH²	Black/ African-Amer AOIC NH³	White AOIC NH	American Indian AOIC H	Other AOIC H⁴	White AOIC H
LE SUEUR-WASECA							
2019 Total	7	8	66	443	<5	10	147
2019 Anemia	2 (****)	4 (****)	12 (18.2)	56 (12.6)	0	2 (****)	21 (14.3)
2018 Total	7	7	64	417	<5	7	153
2018 Anemia	1 (****)	5 (****)	15 (23.4)	76 (18.2)	0	2 (****)	30 (19.6)
2017 Total	8	5	59	486	<5	6	194
2017 Anemia	2 (****)	2 (****)	12 (20.3)	80 (16.5)	2 (****)	2 (****)	39 (20.1)
2016 Total	11	8	69	505	<5	<5	187
2016 Anemia	1 (****)	0	14 (20.3)	56 (11.1)	0	2 (****)	18 (9.6)
2015 Total	13	8	49	505	<5	5	192
2015 Anemia	0	1 (****)	6 (12.2)	46 (9.1)	0	1 (****)	16 (8.3)
2014 Total	5	8	52	505	<5	<5	171
2014 Anemia	0	2 (****)	4 (7.7)	36 (7.1)	0	0	16 (9.4)
2013 Total	7	9	62	536	<5	0	170
2013 Anemia	0	0	3 (4.8)	23 (4.3)	1 (****)	0	17 (10.0)
2012 Total	11	10	54	597	<5	<5	172
2012 Anemia	1 (****)	1 (****)	7 (13.0)	43 (7.2)	0	0	26 (15.1)
2011 Total	13	<5	41	608	7	5	188
2011 Anemia	1 (****)	0	3 (7.3)	47 (7.7)	0	0	31 (16.5)

**Multi Year Anemia in Minnesota WIC Infants and Children by CHB and Race/Ethnicity Alone or in Combination with Other Races (AOIC)
Minnesota WIC Information System**

CHB ¹	Amer Indian AOIC NH	Asian AOIC NH ²	Black/African-Amer AOIC NH ³	White AOIC NH	American Indian AOIC H	Other AOIC H ⁴	White AOIC H
MEEKER-MCLEOD-SIBLEY							
2019 Total	10	8	56	798	8	9	288
2019 Anemia	4 (****)	1 (****)	5 (8.9)	68 (8.5)	2 (****)	0	29 (10.1)
2018 Total	14	8	55	802	7	11	306
2018 Anemia	3 (****)	1 (****)	9 (16.4)	78 (9.7)	0	1 (****)	39 (12.7)
2017 Total	18	10	57	886	7	<5	315
2017 Anemia	3 (****)	0	14 (24.6)	113 (12.8)	0	1 (****)	33 (10.5)
2016 Total	21	24	48	899	7	<5	330
2016 Anemia	3 (****)	1 (****)	10 (20.8)	90 (10.0)	0	1 (****)	38 (11.5)
2015 Total	17	16	47	958	8	<5	323
2015 Anemia	3 (****)	1 (****)	3 (6.4)	95 (9.9)	0	0	31 (9.6)
2014 Total	17	19	54	1,016	5	<5	288
2014 Anemia	2 (****)	1 (****)	3 (5.6)	77 (7.6)	0	0	28 (9.7)
2013 Total	18	17	53	1,052	7	7	288
2013 Anemia	3 (****)	0	2 (3.8)	73 (6.9)	0	2 (****)	26 (9.0)
2012 Total	18	18	53	1,106	7	8	290
2012 Anemia	1 (****)	0	3 (5.7)	47 (4.2)	0	3 (****)	25 (8.6)
2011 Total	19	18	46	1,251	9	7	344
2011 Anemia	3 (****)	3 (****)	7 (15.2)	83 (6.6)	0	0	32 (9.3)

**Multi Year Anemia in Minnesota WIC Infants and Children by CHB and Race/Ethnicity Alone or in Combination with Other Races (AOIC)
Minnesota WIC Information System**

CHB¹	Amer Indian AOIC NH	Asian AOIC NH²	Black/ African-Amer AOIC NH³	White AOIC NH	American Indian AOIC H	Other AOIC H⁴	White AOIC H
MILLE LACS CO							
2019 Total	127	6	18	432	9	<5	20
2019 Anemia	32 (25.2)	1 (****)	3 (****)	51 (11.8)	0	0	2 (****)
2018 Total	152	8	16	442	5	<5	19
2018 Anemia	22 (14.5)	1 (****)	2 (****)	42 (9.5)	2 (****)	2 (****)	4 (****)
2017 Total	143	15	20	437	7	<5	18
2017 Anemia	34 (23.8)	2 (****)	2 (****)	46 (10.5)	2 (****)	2 (****)	4 (****)
2016 Total	134	17	19	415	9	<5	22
2016 Anemia	34 (25.4)	1 (****)	1 (****)	56 (13.5)	3 (****)	1 (****)	5 (****)
2015 Total	132	12	23	457	12	5	23
2015 Anemia	11 (8.3)	2 (****)	4 (****)	47 (10.3)	1 (****)	1 (****)	2 (****)
2014 Total	144	<5	20	470	9	<5	16
2014 Anemia	24 (16.7)	0	3 (****)	77 (16.4)	3 (****)	0	4 (****)
2013 Total	139	5	19	479	11	<5	25
2013 Anemia	18 (12.9)	0	3 (****)	57 (11.9)	3 (****)	1 (****)	4 (****)
2012 Total	150	10	14	498	11	<5	20
2012 Anemia	16 (10.7)	2 (****)	2 (****)	35 (7.0)	1 (****)	0	0
2011 Total	180	8	21	585	11	<5	26
2011 Anemia	29 (16.1)	1 (****)	1 (****)	39 (6.7)	0	0	3 (****)

**Multi Year Anemia in Minnesota WIC Infants and Children by CHB and Race/Ethnicity Alone or in Combination with Other Races (AOIC)
Minnesota WIC Information System**

CHB ¹	Amer Indian AOIC NH	Asian AOIC NH ²	Black/ African-Amer AOIC NH ³	White AOIC NH	American Indian AOIC H	Other AOIC H ⁴	White AOIC H
MORRISON-TODD-WADENA							
2019 Total	34	15	62	1,030	<5	13	165
2019 Anemia	4 (11.8)	0	12 (19.4)	72 (7.0)	0	0	10 (6.1)
2018 Total	45	15	68	1,089	11	12	165
2018 Anemia	9 (20.0)	2 (****)	13 (19.1)	97 (8.9)	2 (****)	0	17 (10.3)
2017 Total	30	21	71	1,212	<5	11	174
2017 Anemia	3 (10.0)	3 (****)	5 (7.0)	98 (8.1)	1 (****)	0	26 (14.9)
2016 Total	36	24	77	1,227	8	14	184
2016 Anemia	3 (8.3)	1 (****)	3 (3.9)	61 (5.0)	0	2 (****)	9 (4.9)
2015 Total	31	29	84	1,320	11	9	172
2015 Anemia	4 (12.9)	2 (****)	15 (17.9)	91 (6.9)	0	3 (****)	10 (5.8)
2014 Total	28	22	63	1,276	5	8	166
2014 Anemia	3 (****)	1 (****)	9 (14.3)	83 (6.5)	0	3 (****)	4 (2.4)
2013 Total	28	22	55	1,277	<5	8	181
2013 Anemia	1 (****)	3 (****)	6 (10.9)	104 (8.1)	0	1 (****)	7 (3.9)
2012 Total	31	21	69	1,397	9	8	204
2012 Anemia	3 (9.7)	1 (****)	8 (11.6)	96 (6.9)	1 (****)	1 (****)	16 (7.8)
2011 Total	29	11	50	1,478	8	7	211
2011 Anemia	1 (****)	2 (****)	6 (12.0)	89 (6.0)	2 (****)	0	15 (7.1)

**Multi Year Anemia in Minnesota WIC Infants and Children by CHB and Race/Ethnicity Alone or in Combination with Other Races (AOIC)
Minnesota WIC Information System**

CHB¹	Amer Indian AOIC NH	Asian AOIC NH²	Black/ African-Amer AOIC NH³	White AOIC NH	American Indian AOIC H	Other AOIC H⁴	White AOIC H
MOWER							
2019 Total	5	190	160	352	9	12	268
2019 Anemia	0	30 (15.8)	19 (11.9)	25 (7.1)	1 (****)	1 (****)	29 (10.8)
2018 Total	<5	147	157	321	10	19	290
2018 Anemia	0	32 (21.8)	22 (14.0)	12 (3.7)	0	2 (****)	26 (9.0)
2017 Total	<5	156	152	369	13	14	273
2017 Anemia	0	23 (14.7)	25 (16.4)	18 (4.9)	0	2 (****)	19 (7.0)
2016 Total	7	124	154	384	24	13	277
2016 Anemia	0	24 (19.4)	21 (13.6)	22 (5.7)	3 (****)	1 (****)	23 (8.3)
2015 Total	8	95	134	435	22	13	285
2015 Anemia	0	20 (21.1)	17 (12.7)	35 (8.0)	2 (****)	3 (****)	29 (10.2)
2014 Total	10	90	154	441	29	15	294
2014 Anemia	1 (****)	18 (20.0)	30 (19.5)	42 (9.5)	2 (****)	2 (****)	24 (8.2)
2013 Total	11	85	156	492	47	13	347
2013 Anemia	1 (****)	13 (15.3)	22 (14.1)	25 (5.1)	5 (10.6)	1 (****)	29 (8.4)
2012 Total	8	75	147	553	72	13	359
2012 Anemia	0	15 (20.0)	19 (12.9)	36 (6.5)	4 (5.6)	0	34 (9.5)
2011 Total	6	48	155	544	101	15	360
2011 Anemia	1 (****)	11 (22.9)	17 (11.0)	40 (7.4)	7 (6.9)	0	40 (11.1)

**Multi Year Anemia in Minnesota WIC Infants and Children by CHB and Race/Ethnicity Alone or in Combination with Other Races (AOIC)
Minnesota WIC Information System**

CHB¹	Amer Indian AOIC NH	Asian AOIC NH²	Black/ African-Amer AOIC NH³	White AOIC NH	American Indian AOIC H	Other AOIC H⁴	White AOIC H
NOBLES							
2019 Total	<5	73	81	118	69	10	527
2019 Anemia	0	4 (5.5)	1 (1.2)	5 (4.2)	0	1 (****)	15 (2.8)
2018 Total	<5	89	85	122	76	15	501
2018 Anemia	0	18 (20.2)	4 (4.7)	8 (6.6)	5 (6.6)	1 (****)	31 (6.2)
2017 Total	0	79	94	143	103	14	457
2017 Anemia	0	11 (13.9)	6 (6.4)	13 (9.1)	4 (3.9)	3 (****)	24 (5.3)
2016 Total	5	86	80	145	147	17	433
2016 Anemia	0	11 (12.8)	5 (6.2)	6 (4.1)	7 (4.8)	0	13 (3.0)
2015 Total	9	76	66	159	128	9	387
2015 Anemia	2 (****)	11 (14.5)	9 (13.6)	11 (6.9)	10 (7.8)	0	22 (5.7)
2014 Total	15	76	68	186	145	10	356
2014 Anemia	1 (****)	7 (9.2)	5 (7.4)	9 (4.8)	6 (4.1)	0	19 (5.3)
2013 Total	8	82	72	173	138	12	349
2013 Anemia	0	11 (13.4)	9 (12.5)	12 (6.9)	5 (3.6)	0	18 (5.2)
2012 Total	5	77	58	172	120	21	384
2012 Anemia	0	16 (20.8)	8 (13.8)	5 (2.9)	3 (2.5)	0	14 (3.6)
2011 Total	7	66	57	181	120	12	413
2011 Anemia	1 (****)	10 (15.2)	4 (7.0)	4 (2.2)	5 (4.2)	3 (****)	12 (2.9)

**Multi Year Anemia in Minnesota WIC Infants and Children by CHB and Race/Ethnicity Alone or in Combination with Other Races (AOIC)
Minnesota WIC Information System**

CHB ¹	Amer Indian AOIC NH	Asian AOIC NH ²	Black/African-Amer AOIC NH ³	White AOIC NH	American Indian AOIC H	Other AOIC H ⁴	White AOIC H
NORTH COUNTRY							
2019 Total	104	13	21	501	5	5	30
2019 Anemia	13 (12.5)	2 (****)	2 (****)	33 (6.6)	0	0	0
2018 Total	120	15	26	538	7	5	35
2018 Anemia	14 (11.7)	5 (****)	2 (****)	47 (8.7)	2 (****)	0	7 (20.0)
2017 Total	131	7	22	557	6	<5	26
2017 Anemia	19 (14.5)	2 (****)	1 (****)	57 (10.2)	1 (***)	0	2 (****)
2016 Total	93	6	25	527	10	<5	26
2016 Anemia	10 (10.8)	1 (****)	3 (****)	35 (6.6)	3 (****)	0	3 (****)
2015 Total	125	7	26	576	6	<5	31
2015 Anemia	14 (11.2)	1 (****)	5 (****)	43 (7.5)	0	0	2 (****)
2014 Total	122	7	17	583	<5	<5	32
2014 Anemia	11 (9.0)	2 (****)	2 (****)	38 (6.5)	0	0	1 (****)
2013 Total	112	6	24	627	<5	<5	28
2013 Anemia	13 (11.6)	0	3 (****)	41 (6.5)	0	1 (****)	2 (****)
2012 Total	105	<5	21	666	5	<5	30
2012 Anemia	7 (6.7)	1 (****)	8 (****)	47 (7.1)	0	1 (****)	4 (13.3)
2011 Total	109	<5	25	706	7	<5	35
2011 Anemia	5 (4.6)	1 (****)	4 (****)	35 (5.0)	1 (****)	0	0

**Multi Year Anemia in Minnesota WIC Infants and Children by CHB and Race/Ethnicity Alone or in Combination with Other Races (AOIC)
Minnesota WIC Information System**

CHB¹	Amer Indian AOIC NH	Asian AOIC NH²	Black/ African-Amer AOIC NH³	White AOIC NH	American Indian AOIC H	Other AOIC H⁴	White AOIC H
OLMSTED							
2019 Total	33	201	962	907	11	64	371
2019 Anemia	2 (6.1)	34 (16.9)	212 (22.0)	140 (15.4)	5 (****)	17 (26.6)	62 (16.7)
2018 Total	38	221	927	909	9	50	421
2018 Anemia	7 (18.4)	46 (20.8)	195 (21.0)	176 (19.4)	2 (****)	14 (28.0)	66 (15.7)
2017 Total	36	238	919	997	10	47	419
2017 Anemia	10 (27.8)	46 (19.3)	195 (21.2)	162 (16.2)	1 (****)	10 (21.3)	78 (18.6)
2016 Total	36	259	864	1,124	5	45	419
2016 Anemia	7 (19.4)	42 (16.2)	158 (18.3)	149 (13.3)	0	9 (20.0)	73 (17.4)
2015 Total	38	262	898	1,202	7	50	420
2015 Anemia	3 (7.9)	53 (20.2)	153 (17.0)	152 (12.6)	1 (****)	11 (22.0)	60 (14.3)
2014 Total	36	261	939	1,307	7	46	434
2014 Anemia	4 (11.1)	45 (17.2)	125 (13.3)	117 (9.0)	2 (****)	7 (15.2)	57 (13.1)
2013 Total	23	305	892	1,327	8	46	421
2013 Anemia	1 (****)	52 (17.0)	125 (14.0)	147 (11.1)	1 (****)	9 (19.6)	46 (10.9)
2012 Total	27	309	873	1,433	14	44	483
2012 Anemia	3 (****)	58 (18.8)	126 (14.4)	167 (11.7)	1 (****)	8 (18.2)	63 (13.0)
2011 Total	44	326	884	1,522	18	54	542
2011 Anemia	4 (9.1)	60 (18.4)	136 (15.4)	148 (9.7)	3 (****)	7 (13.0)	54 (10.0)

**Multi Year Anemia in Minnesota WIC Infants and Children by CHB and Race/Ethnicity Alone or in Combination with Other Races (AOIC)
Minnesota WIC Information System**

CHB ¹	Amer Indian AOIC NH	Asian AOIC NH ²	Black/ African-Amer AOIC NH ³	White AOIC NH	American Indian AOIC H	Other AOIC H ⁴	White AOIC H
PARTNERSHIP 4 HEALTH							
2019 Total	353	49	463	1,877	53	31	313
2019 Anemia	22 (6.2)	0	36 (7.8)	111 (5.9)	3 (5.7)	3 (9.7)	16 (5.1)
2018 Total	376	61	470	1,933	57	32	325
2018 Anemia	22 (5.9)	3 (4.9)	58 (12.3)	115 (5.9)	2 (3.5)	1 (3.1)	26 (8.0)
2017 Total	364	55	436	2,081	79	24	336
2017 Anemia	20 (5.5)	4 (7.3)	42 (9.6)	152 (7.3)	2 (2.5)	4 (****)	25 (7.4)
2016 Total	397	57	398	2,060	87	24	304
2016 Anemia	21 (5.3)	2 (3.5)	29 (7.3)	133 (6.5)	7 (8.0)	6 (****)	17 (5.6)
2015 Total	433	57	357	2,174	97	28	347
2015 Anemia	42 (9.7)	7 (12.3)	44 (12.3)	157 (7.2)	10 (10.3)	3 (****)	22 (6.3)
2014 Total	441	53	272	2,203	127	30	348
2014 Anemia	48 (10.9)	6 (11.3)	29 (10.7)	125 (5.7)	3 (2.4)	2 (6.7)	22 (6.3)
2013 Total	461	47	253	2,284	111	34	330
2013 Anemia	33 (7.2)	3 (6.4)	27 (10.7)	123 (5.4)	8 (7.2)	1 (2.9)	17 (5.2)
2012 Total	442	59	224	2,436	126	30	334
2012 Anemia	44 (10.0)	2 (3.4)	32 (14.3)	158 (6.5)	9 (7.1)	3 (10.0)	17 (5.1)
2011 Total	454	72	229	2,631	144	33	306
2011 Anemia	35 (7.7)	5 (6.9)	24 (10.5)	136 (5.2)	10 (6.9)	0	17 (5.6)

**Multi Year Anemia in Minnesota WIC Infants and Children by CHB and Race/Ethnicity Alone or in Combination with Other Races (AOIC)
Minnesota WIC Information System**

CHB¹	Amer Indian AOIC NH	Asian AOIC NH²	Black/ African-Amer AOIC NH³	White AOIC NH	American Indian AOIC H	Other AOIC H⁴	White AOIC H
PINE							
2019 Total	61	11	26	403	5	<5	18
2019 Anemia	16 (26.2)	1 (****)	2 (****)	75 (18.6)	0	0	2 (****)
2018 Total	70	11	17	396	<5	<5	19
2018 Anemia	15 (21.4)	1 (****)	4 (****)	49 (12.4)	0	1 (****)	3 (****)
2017 Total	63	8	17	413	<5	<5	24
2017 Anemia	12 (19.0)	2 (****)	7 (****)	62 (15.0)	0	0	2 (****)
2016 Total	44	7	18	424	<5	<5	23
2016 Anemia	4 (9.1)	2 (****)	6 (****)	54 (12.7)	0	1 (****)	0
2015 Total	71	6	25	461	<5	0	20
2015 Anemia	11 (15.5)	1 (****)	6 (****)	58 (12.6)	1 (****)	0	0
2014 Total	48	5	15	427	0	0	16
2014 Anemia	4 (8.3)	0	0	39 (9.1)	0	0	3 (****)
2013 Total	50	8	21	419	<5	<5	14
2013 Anemia	1 (2.0)	1 (****)	1 (****)	30 (7.2)	0	0	1 (****)
2012 Total	64	9	17	485	<5	<5	22
2012 Anemia	5 (7.8)	2 (****)	2 (****)	43 (8.9)	0	0	2 (****)
2011 Total	55	12	19	579	<5	0	26
2011 Anemia	6 (10.9)	2 (****)	2 (****)	62 (10.7)	0	0	3 (****)

**Multi Year Anemia in Minnesota WIC Infants and Children by CHB and Race/Ethnicity Alone or in Combination with Other Races (AOIC)
Minnesota WIC Information System**

CHB¹	Amer Indian AOIC NH	Asian AOIC NH²	Black/ African-Amer AOIC NH³	White AOIC NH	American Indian AOIC H	Other AOIC H⁴	White AOIC H
POLK-NORMAN-MAHNOMEN							
2019 Total	273	5	136	500	42	12	174
2019 Anemia	21 (7.7)	0	5 (3.7)	15 (3.0)	2 (4.8)	1 (****)	1 (<1)
2018 Total	286	6	168	532	41	14	156
2018 Anemia	23 (8.0)	0	5 (3.0)	34 (6.4)	0	0	2 (1.3)
2017 Total	334	7	149	581	41	15	168
2017 Anemia	29 (8.7)	0	18 (12.1)	69 (11.9)	5 (12.2)	4 (****)	10 (6.0)
2016 Total	304	9	111	573	43	15	175
2016 Anemia	27 (8.9)	1 (****)	9 (8.1)	33 (5.8)	6 (14.0)	3 (****)	14 (8.0)
2015 Total	322	13	86	647	47	12	182
2015 Anemia	34 (10.6)	2 (****)	8 (9.3)	47 (7.3)	4 (8.5)	2 (****)	14 (7.7)
2014 Total	353	15	80	715	38	13	182
2014 Anemia	20 (5.7)	1 (****)	4 (5.0)	45 (6.3)	2 (5.3)	2 (****)	15 (8.2)
2013 Total	333	14	79	701	36	12	184
2013 Anemia	34 (10.2)	2 (****)	8 (10.1)	55 (7.8)	3 (8.3)	1 (****)	11 (6.0)
2012 Total	302	10	72	773	42	15	179
2012 Anemia	40 (13.2)	3 (****)	5 (6.9)	69 (8.9)	6 (14.3)	0	17 (9.5)
2011 Total	322	10	49	819	45	10	208
2011 Anemia	28 (8.7)	4 (****)	10 (20.4)	58 (7.1)	5 (11.1)	1 (****)	19 (9.1)

**Multi Year Anemia in Minnesota WIC Infants and Children by CHB and Race/Ethnicity Alone or in Combination with Other Races (AOIC)
Minnesota WIC Information System**

CHB¹	Amer Indian AOIC NH	Asian AOIC NH²	Black/ African-Amer AOIC NH³	White AOIC NH	American Indian AOIC H	Other AOIC H⁴	White AOIC H
QUIN							
2019 Total	37	35	26	765	7	11	94
2019 Anemia	1 (2.7)	3 (8.6)	2 (****)	27 (3.5)	1 (****)	2 (****)	5 (5.3)
2018 Total	47	36	33	829	13	10	102
2018 Anemia	2 (4.3)	2 (5.6)	0	19 (2.3)	1 (****)	0	3 (2.9)
2017 Total	48	35	31	845	13	9	99
2017 Anemia	1 (2.1)	5 (14.3)	1 (3.2)	28 (3.3)	2 (****)	1 (****)	4 (4.0)
2016 Total	56	36	36	944	7	9	87
2016 Anemia	0	6 (16.7)	1 (2.8)	35 (3.7)	0	2 (****)	5 (5.7)
2015 Total	69	37	30	956	15	10	102
2015 Anemia	1 (1.4)	5 (13.5)	1 (3.3)	38 (4.0)	0	0	1 (1.0)
2014 Total	68	39	27	970	16	10	103
2014 Anemia	1 (1.5)	5 (12.8)	1 (****)	35 (3.6)	0	0	3 (2.9)
2013 Total	63	45	24	1,001	14	7	98
2013 Anemia	8 (12.7)	2 (4.4)	0	35 (3.5)	1 (****)	0	5 (5.1)
2012 Total	58	43	27	993	15	6	94
2012 Anemia	9 (15.5)	2 (4.7)	1 (****)	41 (4.1)	1 (****)	0	4 (4.3)
2011 Total	64	37	30	1,053	9	8	86
2011 Anemia	6 (9.4)	5 (13.5)	2 (6.7)	43 (4.1)	0	2 (****)	9 (10.5)

**Multi Year Anemia in Minnesota WIC Infants and Children by CHB and Race/Ethnicity Alone or in Combination with Other Races (AOIC)
Minnesota WIC Information System**

CHB¹	Amer Indian AOIC NH	Asian AOIC NH²	Black/ African-Amer AOIC NH³	White AOIC NH	American Indian AOIC H	Other AOIC H⁴	White AOIC H
RAMSEY							
2019 Total	225	4,872	4,678	1,910	296	397	1,376
2019 Anemia	53 (23.6)	1,010 (20.7)	1,160 (24.8)	352 (18.4)	56 (18.9)	73 (18.4)	239 (17.4)
2018 Total	280	5,003	4,815	2,054	315	415	1,459
2018 Anemia	73 (26.1)	1,000 (20.0)	1,149 (23.9)	365 (17.8)	47 (14.9)	97 (23.4)	227 (15.6)
2017 Total	305	5,185	4,937	2,272	343	411	1,616
2017 Anemia	69 (22.6)	1,035 (20.0)	1,167 (23.6)	381 (16.8)	55 (16.0)	84 (20.4)	243 (15.0)
2016 Total	336	5,398	5,163	2,432	381	401	1,786
2016 Anemia	63 (18.8)	1,055 (19.5)	1,091 (21.1)	387 (15.9)	70 (18.4)	81 (20.2)	262 (14.7)
2015 Total	350	5,368	5,132	2,529	400	472	1,934
2015 Anemia	61 (17.4)	866 (16.1)	1,032 (20.1)	350 (13.8)	52 (13.0)	100 (21.2)	269 (13.9)
2014 Total	377	5,256	5,111	2,816	444	460	2,055
2014 Anemia	72 (19.1)	750 (14.3)	1,009 (19.7)	389 (13.8)	59 (13.3)	65 (14.1)	270 (13.1)
2013 Total	388	5,233	4,951	2,779	583	452	2,076
2013 Anemia	51 (13.1)	749 (14.3)	859 (17.4)	312 (11.2)	66 (11.3)	53 (11.7)	237 (11.4)
2012 Total	368	4,951	4,836	2,932	745	420	2,044
2012 Anemia	54 (14.7)	727 (14.7)	927 (19.2)	361 (12.3)	85 (11.4)	62 (14.8)	254 (12.4)
2011 Total	16,341	416	4,716	4,865	3,031	895	404
2011 Anemia	584 (15.8)	67 (16.1)	790 (16.8)	956 (19.7)	356 (11.7)	106 (11.8)	59 (14.6)

**Multi Year Anemia in Minnesota WIC Infants and Children by CHB and Race/Ethnicity Alone or in Combination with Other Races (AOIC)
Minnesota WIC Information System**

CHB¹	Amer Indian AOIC NH	Asian AOIC NH²	Black/ African-Amer AOIC NH³	White AOIC NH	American Indian AOIC H	Other AOIC H⁴	White AOIC H
RICE							
2019 Total	16	20	455	361	<5	7	250
2019 Anemia	0	0	54 (11.9)	25 (6.9)	2 (****)	0	15 (6.0)
2018 Total	11	21	466	404	<5	<5	247
2018 Anemia	2 (****)	0	80 (17.2)	42 (10.4)	0	0	27 (10.9)
2017 Total	12	16	474	445	<5	5	293
2017 Anemia	3 (****)	4 (****)	106 (22.4)	65 (14.6)	0	3 (****)	51 (17.4)
2016 Total	12	17	415	451	6	6	293
2016 Anemia	2 (****)	4 (****)	83 (20.0)	80 (17.7)	0	2 (****)	44 (15.0)
2015 Total	12	28	383	472	<5	8	316
2015 Anemia	2 (****)	5 (****)	76 (19.8)	56 (11.9)	1 (****)	3 (****)	40 (12.7)
2014 Total	17	25	360	551	<5	7	334
2014 Anemia	3 (****)	2 (****)	69 (19.2)	71 (12.9)	0	0	50 (15.0)
2013 Total	14	26	296	622	9	8	379
2013 Anemia	4 (****)	4 (****)	49 (16.6)	84 (13.5)	1 (****)	2 (****)	52 (13.7)
2012 Total	9	27	274	702	10	10	379
2012 Anemia	1 (****)	5 (****)	36 (13.1)	67 (9.5)	1 (****)	1 (****)	40 (10.6)
2011 Total	9	19	230	720	11	7	425
2011 Anemia	1 (****)	4 (****)	45 (19.6)	71 (9.9)	1 (****)	0	50 (11.8)

**Multi Year Anemia in Minnesota WIC Infants and Children by CHB and Race/Ethnicity Alone or in Combination with Other Races (AOIC)
Minnesota WIC Information System**

CHB¹	Amer Indian AOIC NH	Asian AOIC NH²	Black/ African-Amer AOIC NH³	White AOIC NH	American Indian AOIC H	Other AOIC H⁴	White AOIC H
SCOTT							
2019 Total	34	124	515	513	13	19	225
2019 Anemia	3 (8.8)	17 (13.7)	69 (13.4)	38 (7.4)	0	3 (****)	23 (10.2)
2018 Total	27	106	508	503	21	24	255
2018 Anemia	4 (****)	21 (19.8)	87 (17.1)	70 (13.9)	3 (****)	5 (****)	36 (14.1)
2017 Total	41	131	508	567	28	30	265
2017 Anemia	4 (9.8)	19 (14.5)	94 (18.5)	67 (11.8)	5 (****)	4 (13.3)	40 (15.1)
2016 Total	38	132	484	598	50	41	246
2016 Anemia	6 (15.8)	21 (15.9)	63 (13.0)	56 (9.4)	3 (6.0)	5 (12.2)	27 (11.0)
2015 Total	50	145	466	632	69	43	227
2015 Anemia	7 (14.0)	22 (15.2)	66 (14.2)	71 (11.2)	4 (5.8)	6 (14.0)	28 (12.3)
2014 Total	48	126	445	700	76	31	230
2014 Anemia	8 (16.7)	20 (15.9)	66 (14.8)	67 (9.6)	4 (5.3)	4 (12.9)	25 (10.9)
2013 Total	40	129	420	692	96	30	229
2013 Anemia	2 (5.0)	15 (11.6)	55 (13.1)	55 (7.9)	7 (7.3)	1 (3.3)	19 (8.3)
2012 Total	39	133	420	725	110	27	232
2012 Anemia	5 (12.8)	22 (16.5)	53 (12.6)	62 (8.6)	5 (4.5)	3 (****)	28 (12.1)
2011 Total	38	154	406	798	116	31	247
2011 Anemia	3 (7.9)	16 (10.4)	51 (12.6)	80 (10.0)	8 (6.9)	0	22 (8.9)

**Multi Year Anemia in Minnesota WIC Infants and Children by CHB and Race/Ethnicity Alone or in Combination with Other Races (AOIC)
Minnesota WIC Information System**

CHB¹	Amer Indian AOIC NH	Asian AOIC NH²	Black/ African-Amer AOIC NH³	White AOIC NH	American Indian AOIC H	Other AOIC H⁴	White AOIC H
SHERBURNE							
2019 Total	18	32	305	723	7	13	69
2019 Anemia	1 (****)	3 (9.4)	42 (13.8)	41 (5.7)	2 (****)	3 (****)	5 (7.2)
2018 Total	16	33	254	803	<5	13	68
2018 Anemia	5 (****)	3 (9.1)	33 (13.0)	72 (9.0)	1 (****)	4 (****)	8 (11.8)
2017 Total	17	29	221	851	7	9	61
2017 Anemia	2 (****)	3 (****)	40 (18.1)	76 (8.9)	0	2 (****)	5 (8.2)
2016 Total	24	37	212	943	<5	14	71
2016 Anemia	2 (****)	2 (5.4)	32 (15.1)	69 (7.3)	0	2 (****)	7 (9.9)
2015 Total	33	32	189	944	8	11	76
2015 Anemia	1 (3.0)	2 (6.2)	18 (9.5)	66 (7.0)	0	1 (****)	5 (6.6)
2014 Total	26	31	146	982	6	13	67
2014 Anemia	4 (****)	3 (9.7)	21 (14.4)	79 (8.0)	0	1 (****)	3 (4.5)
2013 Total	19	39	132	986	<5	12	65
2013 Anemia	2 (****)	5 (12.8)	15 (11.4)	77 (7.8)	0	2 (****)	4 (6.2)
2012 Total	20	46	131	1,097	16	11	79
2012 Anemia	1 (****)	4 (8.7)	18 (13.7)	62 (5.7)	2 (****)	1 (****)	2 (2.5)
2011 Total	28	53	145	1,180	19	9	76
2011 Anemia	2 (****)	3 (5.7)	12 (8.3)	53 (4.5)	2 (****)	0	2 (2.6)

**Multi Year Anemia in Minnesota WIC Infants and Children by CHB and Race/Ethnicity Alone or in Combination with Other Races (AOIC)
Minnesota WIC Information System**

CHB¹	Amer Indian AOIC NH	Asian AOIC NH²	Black/ African-Amer AOIC NH³	White AOIC NH	American Indian AOIC H	Other AOIC H⁴	White AOIC H
SOUTHWEST							
2019 Total	63	184	164	952	16	15	327
2019 Anemia	3 (4.8)	17 (9.2)	18 (11.0)	47 (4.9)	1 (****)	2 (****)	16 (4.9)
2018 Total	61	193	164	986	25	23	321
2018 Anemia	2 (3.3)	16 (8.3)	15 (9.1)	43 (4.4)	2 (****)	1 (****)	17 (5.3)
2017 Total	59	194	166	1,002	26	26	337
2017 Anemia	3 (5.1)	11 (5.7)	21 (12.7)	37 (3.7)	2 (****)	3 (****)	17 (5.0)
2016 Total	55	186	179	1,055	21	20	322
2016 Anemia	2 (3.6)	9 (4.8)	5 (2.8)	43 (4.1)	1 (****)	0	18 (5.6)
2015 Total	50	190	181	1,087	23	27	322
2015 Anemia	2 (4.0)	20 (10.5)	13 (7.2)	62 (5.7)	0	4 (****)	15 (4.7)
2014 Total	62	138	152	1,125	15	16	281
2014 Anemia	4 (6.5)	10 (7.2)	8 (5.3)	50 (4.4)	0	3 (****)	21 (7.5)
2013 Total	61	139	150	1,191	13	13	288
2013 Anemia	4 (6.6)	12 (8.6)	10 (6.7)	51 (4.3)	0	2 (****)	16 (5.6)
2012 Total	56	122	146	1,221	18	12	318
2012 Anemia	5 (8.9)	13 (10.7)	13 (8.9)	49 (4.0)	0	0	21 (6.6)
2011 Total	52	100	132	1,289	17	10	333
2011 Anemia	2 (3.8)	11 (11.0)	10 (7.6)	59 (4.6)	1 (****)	1 (****)	14 (4.2)

**Multi Year Anemia in Minnesota WIC Infants and Children by CHB and Race/Ethnicity Alone or in Combination with Other Races (AOIC)
Minnesota WIC Information System**

CHB¹	Amer Indian AOIC NH	Asian AOIC NH²	Black/ African-Amer AOIC NH³	White AOIC NH	American Indian AOIC H	Other AOIC H⁴	White AOIC H
STEARNS							
2019 Total	25	52	1,619	1,072	12	30	253
2019 Anemia	1 (****)	5 (9.6)	221 (13.7)	78 (7.3)	2 (****)	3 (10.0)	23 (9.1)
2018 Total	24	57	1,622	1,092	11	31	263
2018 Anemia	3 (****)	7 (12.3)	242 (14.9)	84 (7.7)	0	4 (12.9)	28 (10.6)
2017 Total	36	65	1,525	1,211	9	27	269
2017 Anemia	7 (19.4)	7 (10.8)	233 (15.3)	123 (10.2)	2 (****)	1 (****)	34 (12.6)
2016 Total	25	60	1,314	1,291	11	28	279
2016 Anemia	0	9 (15.0)	193 (14.7)	115 (8.9)	2 (****)	7 (****)	34 (12.2)
2015 Total	25	63	1,085	1,369	10	23	273
2015 Anemia	1 (****)	5 (7.9)	186 (17.1)	132 (9.6)	1 (****)	5 (****)	26 (9.5)
2014 Total	24	67	953	1,421	16	21	283
2014 Anemia	4 (****)	12 (17.9)	133 (14.0)	128 (9.0)	1 (****)	0	24 (8.5)
2013 Total	28	68	803	1,483	19	29	273
2013 Anemia	3 (****)	6 (8.8)	79 (9.8)	106 (7.1)	1 (****)	0	19 (7.0)
2012 Total	37	65	705	1,546	13	16	295
2012 Anemia	2 (5.4)	4 (6.2)	59 (8.4)	101 (6.5)	1 (****)	4 (****)	23 (7.8)
2011 Total	35	72	651	1,615	26	16	348
2011 Anemia	5 (14.3)	6 (8.3)	48 (7.4)	113 (7.0)	3 (****)	1 (****)	22 (6.3)

**Multi Year Anemia in Minnesota WIC Infants and Children by CHB and Race/Ethnicity Alone or in Combination with Other Races (AOIC)
Minnesota WIC Information System**

CHB¹	Amer Indian AOIC NH	Asian AOIC NH²	Black/ African-Amer AOIC NH³	White AOIC NH	American Indian AOIC H	Other AOIC H⁴	White AOIC H
WABASHA							
2019 Total	<5	<5	9	172	0	<5	51
2019 Anemia	0	0	0	9 (5.2)	0	0	3 (5.9)
2018 Total	<5	<5	8	169	<5	5	44
2018 Anemia	0	0	0	13 (7.7)	0	0	1 (2.3)
2017 Total	<5	<5	16	194	<5	<5	47
2017 Anemia	0	0	2 (****)	13 (6.7)	0	0	4 (8.5)
2016 Total	<5	<5	14	232	<5	<5	44
2016 Anemia	0	0	6 (****)	22 (9.5)	0	0	6 (13.6)
2015 Total	<5	<5	26	227	<5	<5	38
2015 Anemia	0	0	8 (****)	22 (9.7)	1 (****)	0	4 (10.5)
2014 Total	<5	<5	23	243	<5	<5	37
2014 Anemia	0	0	1 (****)	13 (5.3)	0	0	1 (2.7)
2013 Total	5	<5	20	240	0	0	42
2013 Anemia	0	0	2 (****)	13 (5.4)	0	0	7 (16.7)
2012 Total	7	8	20	257	<5	0	51
2012 Anemia	1 (****)	0	3 (****)	14 (5.4)	0	0	5 (9.8)
2011 Total	<5	7	12	273	<5	0	51
2011 Anemia	0	1 (****)	3 (****)	19 (7.0)	0	0	3 (5.9)

**Multi Year Anemia in Minnesota WIC Infants and Children by CHB and Race/Ethnicity Alone or in Combination with Other Races (AOIC)
Minnesota WIC Information System**

CHB¹	Amer Indian AOIC NH	Asian AOIC NH²	Black/ African-Amer AOIC NH³	White AOIC NH	American Indian AOIC H	Other AOIC H⁴	White AOIC H
WASHINGTON							
2019 Total	40	256	460	1,034	29	36	159
2019 Anemia	6 (15.0)	26 (10.2)	70 (15.2)	78 (7.5)	3 (****)	5 (13.9)	17 (10.7)
2018 Total	35	275	464	994	22	42	181
2018 Anemia	4 (11.4)	25 (9.1)	76 (16.4)	98 (9.9)	1 (****)	7 (16.7)	19 (10.5)
2017 Total	34	253	504	1,071	24	53	201
2017 Anemia	5 (14.7)	26 (10.3)	73 (14.5)	124 (11.6)	2 (****)	6 (11.3)	12 (6.0)
2016 Total	37	267	497	1,108	30	58	221
2016 Anemia	1 (2.7)	27 (10.1)	67 (13.5)	95 (8.6)	2 (6.7)	6 (10.3)	18 (8.1)
2015 Total	55	298	573	1,228	46	61	247
2015 Anemia	6 (10.9)	27 (9.1)	81 (14.1)	101 (8.2)	9 (19.6)	6 (9.8)	24 (9.7)
2014 Total	58	294	579	1,287	41	53	266
2014 Anemia	5 (8.6)	17 (5.8)	58 (10.0)	76 (5.9)	2 (4.9)	2 (3.8)	12 (4.5)
2013 Total	54	274	586	1,384	58	47	276
2013 Anemia	5 (9.3)	22 (8.0)	72 (12.3)	81 (5.9)	3 (5.2)	4 (8.5)	24 (8.7)
2012 Total	64	294	601	1,501	63	54	268
2012 Anemia	7 (10.9)	14 (4.8)	86 (14.3)	100 (6.7)	4 (6.3)	3 (5.6)	15 (5.6)
2011 Total	73	294	624	1,519	85	46	266
2011 Anemia	11 (15.1)	24 (8.2)	77 (12.3)	94 (6.2)	9 (10.6)	4 (8.7)	17 (6.4)

**Multi Year Anemia in Minnesota WIC Infants and Children by CHB and Race/Ethnicity Alone or in Combination with Other Races (AOIC)
Minnesota WIC Information System**

CHB¹	Amer Indian AOIC NH	Asian AOIC NH²	Black/ African-Amer AOIC NH³	White AOIC NH	American Indian AOIC H	Other AOIC H⁴	White AOIC H
WATONWAN							
2019 Total	0	<5	0	76	<5	<5	209
2019 Anemia	0	1 (****)	0	3 (3.9)	0	0	16 (7.7)
2018 Total	<5	6	<5	94	<5	<5	219
2018 Anemia	0	0	1 (****)	6 (6.4)	0	0	15 (6.8)
2017 Total	<5	6	<5	85	<5	5	215
2017 Anemia	0	2 (****)	0	8 (9.4)	1 (****)	0	18 (8.4)
2016 Total	<5	<5	<5	95	<5	<5	215
2016 Anemia	0	1 (****)	1 (****)	6 (6.3)	0	0	12 (5.6)
2015 Total	<5	5	<5	112	5	<5	186
2015 Anemia	1 (****)	0	0	7 (6.2)	0	0	14 (7.5)
2014 Total	<5	<5	<5	97	9	<5	187
2014 Anemia	1 (****)	0	1 (****)	14 (14.4)	2 (****)	1 (****)	18 (9.6)
2013 Total	0	<5	<5	111	7	0	183
2013 Anemia	0	0	0	3 (2.7)	1 (****)	0	14 (7.7)
2012 Total	<5	<5	<5	128	15	<5	199
2012 Anemia	1 (****)	0	3 (****)	15 (11.7)	1 (****)	0	15 (7.5)
2011 Total	<5	<5	7	138	27	<5	215
2011 Anemia	0	0	2 (****)	3 (2.2)	2 (****)	0	13 (6.0)

**Multi Year Anemia in Minnesota WIC Infants and Children by CHB and Race/Ethnicity Alone or in Combination with Other Races (AOIC)
Minnesota WIC Information System**

CHB¹	Amer Indian AOIC NH	Asian AOIC NH²	Black/ African-Amer AOIC NH³	White AOIC NH	American Indian AOIC H	Other AOIC H⁴	White AOIC H
WINONA							
2019 Total	<5	23	71	318	0	<5	57
2019 Anemia	0	5 (****)	18 (25.4)	45 (14.2)	0	1 (****)	8 (14.0)
2018 Total	<5	23	66	321	0	<5	63
2018 Anemia	0	6 (****)	12 (18.2)	54 (16.8)	0	1 (****)	8 (12.7)
2017 Total	<5	27	62	358	0	<5	67
2017 Anemia	0	3 (****)	20 (32.3)	71 (19.8)	0	1 (****)	12 (17.9)
2016 Total	<5	20	71	395	<5	<5	77
2016 Anemia	0	3 (****)	22 (31.0)	75 (19.0)	0	0	11 (14.3)
2015 Total	<5	20	75	439	<5	<5	72
2015 Anemia	0	2 (****)	26 (34.7)	86 (19.6)	1 (****)	0	16 (22.2)
2014 Total	<5	23	66	480	11	<5	73
2014 Anemia	0	1 (****)	13 (19.7)	83 (17.3)	2 (****)	0	12 (16.4)
2013 Total	<5	23	66	526	19	<5	63
2013 Anemia	1 (****)	4 (****)	19 (28.8)	84 (16.0)	2 (****)	1 (****)	6 (9.5)
2012 Total	0	23	61	535	24	<5	54
2012 Anemia	0	3 (****)	14 (23.0)	71 (13.3)	6 (****)	0	6 (11.1)
2011 Total	<5	31	56	559	39	<5	48
2011 Anemia	0	1 (3.2)	8 (14.3)	69 (12.3)	11 (28.2)	0	8 (16.7)

**Multi Year Anemia in Minnesota WIC Infants and Children by CHB and Race/Ethnicity Alone or in Combination with Other Races (AOIC)
Minnesota WIC Information System**

CHB¹	Amer Indian AOIC NH	Asian AOIC NH²	Black/ African-Amer AOIC NH³	White AOIC NH	American Indian AOIC H	Other AOIC H⁴	White AOIC H
WRIGHT							
2019 Total	21	43	137	1,068	30	19	129
2019 Anemia	2 (***)	5 (11.6)	24 (17.5)	129 (12.1)	7 (23.3)	4 (***)	21 (16.3)
2018 Total	31	51	125	1,071	38	16	145
2018 Anemia	4 (12.9)	4 (7.8)	27 (21.6)	136 (12.7)	6 (15.8)	3 (***)	18 (12.4)
2017 Total	26	51	138	1,135	32	16	146
2017 Anemia	5 (***)	6 (11.8)	18 (13.0)	127 (11.2)	5 (15.6)	4 (***)	22 (15.1)
2016 Total	32	48	147	1,163	50	16	144
2016 Anemia	2 (6.2)	6 (12.5)	20 (13.6)	117 (10.1)	3 (6.0)	0	15 (10.4)
2015 Total	42	41	130	1,256	48	20	130
2015 Anemia	2 (4.8)	4 (9.8)	16 (12.3)	108 (8.6)	3 (6.2)	1 (***)	16 (12.3)
2014 Total	52	62	119	1,251	63	17	146
2014 Anemia	4 (7.7)	4 (6.5)	10 (8.4)	81 (6.5)	7 (11.1)	0	13 (8.9)
2013 Total	49	51	135	1,362	69	15	147
2013 Anemia	4 (8.2)	8 (15.7)	13 (9.6)	72 (5.3)	3 (4.3)	1 (***)	14 (9.5)
2012 Total	42	53	159	1,451	81	14	142
2012 Anemia	5 (11.9)	12 (22.6)	23 (14.5)	98 (6.8)	2 (2.5)	0	5 (3.5)
2011 Total	44	64	148	1,545	101	17	150
2011 Anemia	3 (6.8)	7 (10.9)	24 (16.2)	116 (7.5)	8 (7.9)	0	11 (7.3)

**Multi Year Anemia in Minnesota WIC Infants and Children by CHB and Race/Ethnicity Alone or in Combination with Other Races (AOIC)
Minnesota WIC Information System**

CHB ¹	Amer Indian AOIC NH	Asian AOIC NH ²	Black/ African- Amer AOIC NH ³	White AOIC NH	American Indian AOIC H	Other AOIC H ⁴	White AOIC H
------------------	------------------------	-------------------------------	--	------------------	------------------------------	------------------------------	-----------------

NH=Non Hispanic H= Hispanic

Race/Ethnicity are self-identified by the participant’s caregiver.

Participants may be counted in more than one race/ethnicity category.

Numbers suppressed if total population by race/ethnicity is between 1 and 5 **** and/or denominator is <30 (****)

Suggested Citation: Minnesota WIC Information System. Multi Year *Anemia in Infants and Children* in Minnesota WIC by Community Health Board of Residence and Race/Ethnicity Alone or in Combination with Other Races. Minnesota WIC Program: 2022.

For more information contact: Minnesota WIC Program 1 (800) 657-3942

¹CHB where child lived as of January of the subsequent calendar year.

² Includes Asian, Asian Pacific Islander and Native Hawaiian participants

³Includes both African-Americans and African participants

⁴ Includes Black/African-American and Asian participations

⁵Low hemoglobin is <11.0 for infants/children <2 years of age and <11.1 for children > 2 years.

Low hemoglobin is characteristic of anemia. One hemoglobin measure was randomly selected per child per year.
One hemoglobin measure was randomly selected per child per year.