

Supplementary material 1: Inclusion criteria

Inclusion Criteria (SEER*Stat)

HPVa Cancer (CDC Definition)

((({Site and Morphology.Primary Site - labeled} = 'C01.9-Base of tongue, NOS', 'C02.4-Lingual tonsil', 'C02.8-Overlapping lesion of tongue', 'C05.1-Soft palate, NOS', 'C05.2-Uvula', 'C09.0-Tonsillar fossa', 'C09.1-Tonsillar pillar', 'C09.8-Overlapping lesion of tonsil', 'C09.9-Tonsil, NOS', 'C10.0-Vallecula', 'C10.1-Anterior surface of epiglottis', 'C10.2-Lateral wall of oropharynx', 'C10.3-Posterior wall of oropharynx', 'C10.4-Branchial cleft', 'C10.8-Overlapping lesion of oropharynx', 'C10.9-Oropharynx, NOS', 'C14.0-Pharynx, NOS', 'C14.2-Waldeyers ring', 'C14.8-Overlapping lesion of lip, oral cavity & pharynx')

AND {Site and Morphology.Histologic Type ICD-O-3} = 8050-8086,8120-8131

AND {Site and Morphology.Diagnostic Confirmation} = 'Microscopically confirmed')

OR (({Site and Morphology.Primary Site - labeled} = 'C20.9-Rectum, NOS', 'C21.0-Anus, NOS', 'C21.1-Anal canal', 'C21.2-Cloacogenic zone', 'C21.8-Overlapping lesion of rectum, anus, and anal canal')

AND {Site and Morphology.Histologic Type ICD-O-3} = 8050-8084,8120-8131

AND {Site and Morphology.Diagnostic Confirmation} = 'Microscopically confirmed')

OR (({Site and Morphology.Primary Site - labeled} = 'C51.0-Labium majus', 'C51.1-Labium minus', 'C51.2-Clitoris', 'C51.8-Overlapping lesion of vulva', 'C51.9-Vulva, NOS')

AND {Site and Morphology.Histologic Type ICD-O-3} = 8050-8084,8120-8131

AND {Race, Sex, Year Dx, Registry, County.Sex} = ' Female'

AND {Site and Morphology.Diagnostic Confirmation} = 'Microscopically confirmed')

OR (({Site and Morphology.Primary Site - labeled} = 'C52.9-Vagina, NOS')

AND {Site and Morphology.Histologic Type ICD-O-3} = 8050-8084,8120-8131

AND {Race, Sex, Year Dx, Registry, County.Sex} = ' Female'

AND {Site and Morphology.Diagnostic Confirmation} = 'Microscopically confirmed')

OR (({Site and Morphology.Primary Site - labeled} = 'C60.0-Prepuce', 'C60.1-Glans penis', 'C60.2-Body of penis', 'C60.8-Overlapping lesion of penis', 'C60.9-Penis, NOS')

AND {Site and Morphology.Histologic Type ICD-O-3} = 8050-8084,8120-8131

AND {Race, Sex, Year Dx, Registry, County.Sex} = ' Male'

AND {Site and Morphology.Diagnostic Confirmation} = 'Microscopically confirmed')

OR (({Site and Morphology.Primary Site - labeled} = 'C53.0-Endocervix', 'C53.1-Exocervix', 'C53.8-Overlapping lesion of cervix uteri', 'C53.9-Cervix uteri')

AND {Site and Morphology.Histologic Type ICD-O-3} = 8010-8671,8940-8941

AND {Race, Sex, Year Dx, Registry, County.Sex} = ' Female'

AND {Site and Morphology.Diagnostic Confirmation} = 'Microscopically confirmed'))

SEER Registry Inclusion Criteria (Incidence Data)

AND {Race, Sex, Year Dx, Registry, County.SEER registry} = 'San Francisco-Oakland SMSA', 'Connecticut', 'Iowa', 'New Mexico', 'Seattle (Puget Sound)', 'Utah', 'Atlanta (Metropolitan)', 'San Jose-Monterey', 'Los Angeles', 'Rural Georgia', 'California excluding SF/SJM/LA', 'Kentucky', 'Louisiana', 'New Jersey', 'Greater Georgia', 'Idaho', 'New York', 'Massachusetts', 'Illinois', 'Texas'

SEER Registry Inclusion Criteria (Mortality Data)

AND {Race, Sex, Year Death, Registry, County.SEER registry} = 'San Francisco-Oakland SMSA', 'Connecticut', 'Iowa', 'New Mexico', 'Seattle (Puget Sound)', 'Utah', 'Atlanta (Metropolitan)', 'San Jose-

Monterey', 'Los Angeles', 'Rural Georgia', 'California excluding SF/SJM/LA', 'Kentucky', 'Louisiana', 'New Jersey', 'Greater Georgia', 'Idaho', 'New York', 'Texas'

Metro Counties

{County attributes 2010s.Rural-Urban Continuum Code 2013} = 'Metropolitan Counties', ' Counties in metropolitan areas ge 1 million pop', ' Counties in metropolitan areas of 250,000 to 1 million pop', ' Counties in metropolitan areas of lt 250 thousand pop',

Nonmetropolitan Urban Counties

Urban pop of ge 20,000 adjacent to a metropolitan area', ' Urban pop of ge 20,000 not adjacent to a metropolitan area', ' Urban pop of 2,500 to 19,999, adjacent to a metro area', ' Urban pop of 2,500 to 19,999, not adjacent to a metro area',

Rural Counties

Comp rural lt 2,500 urban pop, adjacent to a metro area', ' Comp rural lt 2,500 urban pop, not adjacent to metro area'

Supplementary material 2: Incidence

Rates are per 100,000 and age-adjusted to the 2000 US Std Population (19 age groups – Census P25-1130) standard; confidence intervals (Tiwari mod) are 95% for rates and ratios. #The rate ratio indicates that the rate is significantly different than the rate for rural ($p < 0.05$).

Year	Value	Rural	Urban	Metro
2000–2021	Rate	12.8	13.2	11.5#
2000–2021	SE	0.2	0.1	0
2000–2021	Lower CI	12.4	13	11.4
2000–2021	Upper CI	13.2	13.3	11.5
2000–2021	Count	4,282	44,152	346,375
2000–2021	Rate Ratio		1.0293	0.899
2000–2021	Ratio Lower CI		0.9962	0.8711
2000–2021	Ratio Upper CI		1.0638	0.9279
2000–2021	Ratio p -value		0.0841	0
2000–2021	Pop	26,997,840	291,765,763	2,908,735,180
2000	Rate	11.2	12.2	11
2000	SE	0.9	0.3	0.1
2000	Lower CI	9.5	11.6	10.8
2000	Upper CI	13.1	12.8	11.2
2000	Count	154	1,641	12,440
2000	Rate Ratio		1.0903	0.9882
2000	Ratio Lower CI		0.9216	0.841
2000	Ratio Upper CI		1.2973	1.1684
2000	Ratio p -value		0.3333	0.907
2000	Pop	1,229,713	12,902,730	119,539,593
2001	Rate	10.9	11.4	11
2001	SE	0.9	0.3	0.1
2001	Lower CI	9.2	10.8	10.8
2001	Upper CI	12.9	12	11.2
2001	Count	145	1,545	12,629
2001	Rate Ratio		1.0422	1.0101
2001	Ratio Lower CI		0.8762	0.8552
2001	Ratio Upper CI		1.2477	1.2014
2001	Ratio p -value		0.6792	0.9519
2001	Pop	1,228,128	12,915,051	120,954,313
2002	Rate	11.5	11.6	10.9
2002	SE	0.9	0.3	0.1
2002	Lower CI	9.8	11	10.7
2002	Upper CI	13.5	12.2	11.1
2002	Count	159	1,592	12,746
2002	Rate Ratio		1.0084	0.9487

2002	Ratio Lower CI		0.8537	0.8089
2002	Ratio Upper CI		1.1979	1.1195
2002	Ratio p -value		0.9675	0.5379
2002	Pop	1,229,808	12,951,955	122,177,623
2003	Rate	10.6	11.5	11
2003	SE	0.9	0.3	0.1
2003	Lower CI	9	10.9	10.8
2003	Upper CI	12.5	12.1	11.2
2003	Count	153	1,605	13,103
2003	Rate Ratio		1.0856	1.0411
2003	Ratio Lower CI		0.916	0.8846
2003	Ratio Upper CI		1.2937	1.2326
2003	Ratio p -value		0.3664	0.67
2003	Pop	1,232,406	13,009,133	123,269,154
2004	Rate	11	11.7	11
2004	SE	0.9	0.3	0.1
2004	Lower CI	9.3	11.1	10.8
2004	Upper CI	12.9	12.3	11.1
2004	Count	154	1,660	13,256
2004	Rate Ratio		1.0649	0.9979
2004	Ratio Lower CI		0.8984	0.8475
2004	Ratio Upper CI		1.2699	1.1825
2004	Ratio p -value		0.4991	1
2004	Pop	1,233,902	13,074,618	124,309,161
2005	Rate	9.1	11.7#	11.0#
2005	SE	0.8	0.3	0.1
2005	Lower CI	7.6	11.1	10.8
2005	Upper CI	10.8	12.2	11.1
2005	Count	132	1,672	13,464
2005	Rate Ratio		1.2841	1.2073
2005	Ratio Lower CI		1.0698	1.0122
2005	Ratio Upper CI		1.5517	1.4504
2005	Ratio p -value		0.0062	0.0354
2005	Pop	1,235,765	13,127,364	125,122,145
2006	Rate	11.2	11.8	10.9
2006	SE	0.9	0.3	0.1
2006	Lower CI	9.5	11.3	10.7
2006	Upper CI	13.1	12.4	11
2006	Count	163	1,735	13,583
2006	Rate Ratio		1.0557	0.9693
2006	Ratio Lower CI		0.894	0.8264
2006	Ratio Upper CI		1.2534	1.1437
2006	Ratio p -value		0.5567	0.7221

2006	Pop	1,240,047	13,206,723	126,246,280
2007	Rate	12.1	12.3	11.3
2007	SE	0.9	0.3	0.1
2007	Lower CI	10.3	11.7	11.1
2007	Upper CI	14.1	12.9	11.5
2007	Count	177	1,830	14,371
2007	Rate Ratio		1.0195	0.934
2007	Ratio Lower CI		0.8687	0.8011
2007	Ratio Upper CI		1.2025	1.0949
2007	Ratio p -value		0.857	0.4012
2007	Pop	1,243,787	13,264,469	127,530,738
2008	Rate	11	12.2	11.5
2008	SE	0.9	0.3	0.1
2008	Lower CI	9.3	11.7	11.3
2008	Upper CI	12.9	12.8	11.7
2008	Count	167	1,836	14,954
2008	Rate Ratio		1.1124	1.0454
2008	Ratio Lower CI		0.9429	0.8919
2008	Ratio Upper CI		1.3192	1.2322
2008	Ratio p -value		0.2187	0.6233
2008	Pop	1,246,146	13,312,597	128,979,791
2009	Rate	11.8	12.6	11.6
2009	SE	0.9	0.3	0.1
2009	Lower CI	10.1	12	11.4
2009	Upper CI	13.7	13.1	11.8
2009	Count	182	1,914	15,432
2009	Rate Ratio		1.0673	0.987
2009	Ratio Lower CI		0.9102	0.8471
2009	Ratio Upper CI		1.2575	1.1558
2009	Ratio p -value		0.4507	0.8865
2009	Pop	1,245,045	13,357,424	130,433,996
2010	Rate	11.1	12.5	11.2
2010	SE	0.9	0.3	0.1
2010	Lower CI	9.4	11.9	11.1
2010	Upper CI	13	13.1	11.4
2010	Count	173	1,920	15,279
2010	Rate Ratio		1.1272	1.0133
2010	Ratio Lower CI		0.9572	0.866
2010	Ratio Upper CI		1.334	1.1922
2010	Ratio p -value		0.1589	0.9187
2010	Pop	1,245,591	13,398,247	131,816,011
2011	Rate	11.9	12.8	11.4
2011	SE	0.9	0.3	0.1

2011	Lower CI	10.2	12.2	11.2
2011	Upper CI	13.9	13.4	11.6
2011	Count	184	1,990	15,851
2011	Rate Ratio		1.0707	0.957
2011	Ratio Lower CI		0.9135	0.8217
2011	Ratio Upper CI		1.2608	1.1203
2011	Ratio <i>p</i> -value		0.4253	0.5907
2011	Pop	1,238,582	13,401,592	133,224,196
2012	Rate	12.2	12.8	11.3
2012	SE	0.9	0.3	0.1
2012	Lower CI	10.4	12.2	11.1
2012	Upper CI	14.1	13.4	11.5
2012	Count	192	1,991	16,010
2012	Rate Ratio		1.0509	0.9309
2012	Ratio Lower CI		0.8981	0.8007
2012	Ratio Upper CI		1.2351	1.0874
2012	Ratio <i>p</i> -value		0.5706	0.3672
2012	Pop	1,229,258	13,385,749	134,603,769
2013	Rate	12.6	13	11.4
2013	SE	0.9	0.3	0.1
2013	Lower CI	10.8	12.4	11.2
2013	Upper CI	14.7	13.6	11.6
2013	Count	197	2,098	16,460
2013	Rate Ratio		1.0302	0.9022
2013	Ratio Lower CI		0.8821	0.7773
2013	Ratio Upper CI		1.2084	1.0522
2013	Ratio <i>p</i> -value		0.7496	0.1888
2013	Pop	1,222,932	13,369,215	135,887,009
2014	Rate	13.1	14.6	11.7
2014	SE	1	0.3	0.1
2014	Lower CI	11.2	14	11.5
2014	Upper CI	15.2	15.2	11.9
2014	Count	200	2,314	17,259
2014	Rate Ratio		1.1146	0.8956
2014	Ratio Lower CI		0.9548	0.7715
2014	Ratio Upper CI		1.3074	1.045
2014	Ratio <i>p</i> -value		0.1779	0.1607
2014	Pop	1,217,270	13,356,755	137,239,142
2015	Rate	15.4	14.3	11.7#
2015	SE	1.1	0.3	0.1
2015	Lower CI	13.4	13.7	11.5
2015	Upper CI	17.6	14.9	11.8
2015	Count	239	2,315	17,530

2015	Rate Ratio		0.9291	0.7586
2015	Ratio Lower CI		0.8056	0.6618
2015	Ratio Upper CI		1.0755	0.8731
2015	Ratio p -value		0.3262	0.0001
2015	Pop	1,220,031	13,375,599	138,522,492
2016	Rate	15.5	14.3	12.0#
2016	SE	1.1	0.3	0.1
2016	Lower CI	13.5	13.7	11.8
2016	Upper CI	17.7	15	12.2
2016	Count	249	2,319	18,325
2016	Rate Ratio		0.9247	0.7743
2016	Ratio Lower CI		0.8031	0.6767
2016	Ratio Upper CI		1.0685	0.8895
2016	Ratio p -value		0.2895	0.0004
2016	Pop	1,214,587	13,373,228	139,710,537
2017	Rate	15.1	14.3	11.8#
2017	SE	1	0.3	0.1
2017	Lower CI	13.1	13.7	11.6
2017	Upper CI	17.2	15	11.9
2017	Count	248	2,334	18,242
2017	Rate Ratio		0.9518	0.7802
2017	Ratio Lower CI		0.8266	0.6818
2017	Ratio Upper CI		1.0994	0.896
2017	Ratio p -value		0.5072	0.0005
2017	Pop	1,210,460	13,371,084	140,721,449
2018	Rate	14.2	14.7	12.0#
2018	SE	1	0.3	0.1
2018	Lower CI	12.3	14.1	11.8
2018	Upper CI	16.3	15.4	12.1
2018	Count	240	2,385	18,812
2018	Rate Ratio		1.0381	0.8427
2018	Ratio Lower CI		0.8993	0.7344
2018	Ratio Upper CI		1.2023	0.9705
2018	Ratio p -value		0.6473	0.0178
2018	Pop	1,209,397	13,386,663	141,490,980
2019	Rate	15.1	15.3	12.1#
2019	SE	1	0.3	0.1
2019	Lower CI	13.1	14.7	11.9
2019	Upper CI	17.2	16	12.2
2019	Count	250	2,530	19,241
2019	Rate Ratio		1.0177	0.8004
2019	Ratio Lower CI		0.8838	0.6991
2019	Ratio Upper CI		1.1757	0.9196

2019	Ratio p -value		0.8508	0.0018
2019	Pop	1,208,945	13,403,528	142,139,384
2020	Rate	14.6	14	11.2#
2020	SE	1	0.3	0.1
2020	Lower CI	12.6	13.4	11.1
2020	Upper CI	16.8	14.6	11.4
2020	Count	237	2,369	18,212
2020	Rate Ratio		0.9631	0.7698
2020	Ratio Lower CI		0.8321	0.6691
2020	Ratio Upper CI		1.119	0.8893
2020	Ratio p -value		0.6321	0.0005
2020	Pop	1,205,476	13,399,021	142,533,883
2021	Rate	17.5	15.1#	11.8#
2021	SE	1.1	0.3	0.1
2021	Lower CI	15.4	14.5	11.6
2021	Upper CI	19.9	15.7	11.9
2021	Count	287	2,557	19,176
2021	Rate Ratio		0.862	0.6713
2021	Ratio Lower CI		0.7542	0.5909
2021	Ratio Upper CI		0.9883	0.7653
2021	Ratio p -value		0.0334	0
2021	Pop	1,210,564	13,423,018	142,283,534

Supplementary material 3: Mortality

Rates are per 100,000 and age-adjusted to the 2000 US Std Population (19 age groups – Census P25-1130) standard; confidence intervals (Tiwari mod) are 95% for rates and ratios. # The rate ratio indicates that the rate is significantly different than the rate for rural ($p < 0.05$).

Year	Value	Rural	Urban	Metro
2000–2021	Rate	5.3	5.5#	4.7#
2000–2021	SE	0.1	0	0
2000–2021	Lower CI	5	5.5	4.7
2000–2021	Upper CI	5.5	5.6	4.7
2000–2021	Count	1,806	17,307	120,145
2000–2021	Rate Ratio		1.0536	0.8908
2000–2021	Ratio Lower CI		1.0022	0.8491
2000–2021	Ratio Upper CI		1.108	0.9349
2000–2021	Ratio p -value		0.0406	0
2000–2021	Pop	25,480,170	257,888,218	2,516,952,176
2000	Rate	1.6	1.1	1.0#
2000	SE	0.4	0.1	0
2000	Lower CI	1	0.9	0.9
2000	Upper CI	2.5	1.3	1
2000	Count	22	136	888
2000	Rate Ratio		0.6679	0.5895
2000	Ratio Lower CI		0.4196	0.3831
2000	Ratio Upper CI		1.1079	0.9511
2000	Ratio p -value		0.1175	0.031
2000	Pop	1,155,923	11,322,807	102,398,041
2001	Rate	1.6	2.6#	2.5#
2001	SE	0.3	0.1	0.1
2001	Lower CI	1	2.3	2.4
2001	Upper CI	2.4	2.9	2.6
2001	Count	23	317	2,395
2001	Rate Ratio		1.6434	1.6323
2001	Ratio Lower CI		1.0629	1.0723
2001	Ratio Upper CI		2.6344	2.5831
2001	Ratio p -value		0.0225	0.0189
2001	Pop	1,154,936	11,339,908	103,716,569
2002	Rate	3.1	3.6	3.3
2002	SE	0.5	0.2	0.1
2002	Lower CI	2.2	3.3	3.2
2002	Upper CI	4.2	3.9	3.4
2002	Count	43	445	3,194

2002	Rate Ratio		1.1452	1.0607
2002	Ratio Lower CI		0.8297	0.7794
2002	Ratio Upper CI		1.6141	1.4768
2002	Ratio p -value		0.4644	0.7953
2002	Pop	1,157,481	11,381,686	104,877,457
2003	Rate	5	3.9	3.9
2003	SE	0.6	0.2	0.1
2003	Lower CI	3.9	3.6	3.7
2003	Upper CI	6.3	4.3	4
2003	Count	70	499	3,818
2003	Rate Ratio		0.79	0.776
2003	Ratio Lower CI		0.6108	0.6093
2003	Ratio Upper CI		1.0334	1.001
2003	Ratio p -value		0.0852	0.0509
2003	Pop	1,159,879	11,441,851	105,930,392
2004	Rate	3.8	4.1	4
2004	SE	0.5	0.2	0.1
2004	Lower CI	2.8	3.8	3.9
2004	Upper CI	5	4.5	4.2
2004	Count	53	525	4,067
2004	Rate Ratio		1.0874	1.0699
2004	Ratio Lower CI		0.8132	0.8108
2004	Ratio Upper CI		1.4778	1.4371
2004	Ratio p -value		0.6395	0.7079
2004	Pop	1,161,810	11,507,656	106,946,161
2005	Rate	4.3	4.8	4.2
2005	SE	0.6	0.2	0.1
2005	Lower CI	3.3	4.4	4.1
2005	Upper CI	5.5	5.1	4.4
2005	Count	62	623	4,341
2005	Rate Ratio		1.1141	0.9918
2005	Ratio Lower CI		0.8511	0.7667
2005	Ratio Upper CI		1.4774	1.3015
2005	Ratio p -value		0.482	0.9844
2005	Pop	1,164,310	11,561,708	107,746,063
2006	Rate	4.2	5	4.4
2006	SE	0.5	0.2	0.1
2006	Lower CI	3.2	4.6	4.3
2006	Upper CI	5.4	5.4	4.5
2006	Count	63	665	4,590
2006	Rate Ratio		1.2077	1.0564
2006	Ratio Lower CI		0.925	0.8182
2006	Ratio Upper CI		1.5957	1.3818

2006	Ratio p -value		0.181	0.7524
2006	Pop	1,169,105	11,642,049	108,827,857
2007	Rate	4.5	5	4.7
2007	SE	0.6	0.2	0.1
2007	Lower CI	3.5	4.6	4.6
2007	Upper CI	5.8	5.4	4.8
2007	Count	66	677	4,998
2007	Rate Ratio		1.1018	1.0383
2007	Ratio Lower CI		0.8485	0.8087
2007	Ratio Upper CI		1.4486	1.3512
2007	Ratio p -value		0.5197	0.8465
2007	Pop	1,173,107	11,700,667	110,037,795
2008	Rate	4.7	5.4	4.5
2008	SE	0.6	0.2	0.1
2008	Lower CI	3.7	5.1	4.4
2008	Upper CI	6	5.9	4.7
2008	Count	74	746	4,960
2008	Rate Ratio		1.1491	0.9546
2008	Ratio Lower CI		0.8946	0.7511
2008	Ratio Upper CI		1.4917	1.2274
2008	Ratio p -value		0.3062	0.733
2008	Pop	1,176,067	11,750,386	111,396,076
2009	Rate	5.1	5.1	4.7
2009	SE	0.6	0.2	0.1
2009	Lower CI	4	4.7	4.5
2009	Upper CI	6.4	5.4	4.8
2009	Count	82	709	5,217
2009	Rate Ratio		0.9889	0.914
2009	Ratio Lower CI		0.7795	0.7291
2009	Ratio Upper CI		1.2645	1.156
2009	Ratio p -value		0.9611	0.4565
2009	Pop	1,175,442	11,799,095	112,747,537
2010	Rate	4.6	5.7	4.8
2010	SE	0.6	0.2	0.1
2010	Lower CI	3.5	5.3	4.6
2010	Upper CI	5.8	6.1	4.9
2010	Count	70	808	5,465
2010	Rate Ratio		1.2552	1.042
2010	Ratio Lower CI		0.9722	0.8149
2010	Ratio Upper CI		1.6389	1.3488
2010	Ratio p -value		0.0846	0.8216
2010	Pop	1,176,124	11,842,781	114,025,592
2011	Rate	5	5.7	4.8

2011	SE	0.6	0.2	0.1
2011	Lower CI	4	5.3	4.6
2011	Upper CI	6.3	6.1	4.9
2011	Count	81	810	5,575
2011	Rate Ratio		1.124	0.9435
2011	Ratio Lower CI		0.8831	0.749
2011	Ratio Upper CI		1.4434	1.2003
2011	Ratio <i>p</i> -value		0.3802	0.6472
2011	Pop	1,169,434	11,849,663	115,321,317
2012	Rate	5.5	5.5	5
2012	SE	0.6	0.2	0.1
2012	Lower CI	4.4	5.2	4.8
2012	Upper CI	6.8	6	5.1
2012	Count	86	798	5,965
2012	Rate Ratio		1.0089	0.9044
2012	Ratio Lower CI		0.7993	0.7244
2012	Ratio Upper CI		1.2837	1.1392
2012	Ratio <i>p</i> -value		1	0.3952
2012	Pop	1,160,679	11,840,472	116,594,896
2013	Rate	5.6	6.2	5
2013	SE	0.6	0.2	0.1
2013	Lower CI	4.4	5.8	4.9
2013	Upper CI	6.9	6.6	5.2
2013	Count	88	909	6,191
2013	Rate Ratio		1.1153	0.9079
2013	Ratio Lower CI		0.8864	0.7286
2013	Ratio Upper CI		1.4143	1.1412
2013	Ratio <i>p</i> -value		0.3896	0.41
2013	Pop	1,154,903	11,831,530	117,773,071
2014	Rate	5.4	6.3	5
2014	SE	0.6	0.2	0.1
2014	Lower CI	4.2	5.9	4.9
2014	Upper CI	6.7	6.7	5.2
2014	Count	85	939	6,292
2014	Rate Ratio		1.1785	0.9416
2014	Ratio Lower CI		0.9323	0.7517
2014	Ratio Upper CI		1.5023	1.1903
2014	Ratio <i>p</i> -value		0.1843	0.6246
2014	Pop	1,149,650	11,826,682	119,045,261
2015	Rate	6.8	6.3	5.3#
2015	SE	0.7	0.2	0.1
2015	Lower CI	5.5	5.9	5.1
2015	Upper CI	8.3	6.7	5.4

2015	Count	110	952	6,715
2015	Rate Ratio		0.9219	0.7712
2015	Ratio Lower CI		0.7471	0.6313
2015	Ratio Upper CI		1.145	0.949
2015	Ratio <i>p</i> -value		0.4694	0.0146
2015	Pop	1,152,759	11,851,465	120,282,432
2016	Rate	7.6	7.1	5.2#
2016	SE	0.7	0.2	0.1
2016	Lower CI	6.2	6.7	5.1
2016	Upper CI	9.2	7.6	5.4
2016	Count	117	1,066	6,895
2016	Rate Ratio		0.9375	0.6897
2016	Ratio Lower CI		0.7644	0.5675
2016	Ratio Upper CI		1.1579	0.8445
2016	Ratio <i>p</i> -value		0.5594	0.0004
2016	Pop	1,148,227	11,858,609	121,435,779
2017	Rate	8	6.9	5.4#
2017	SE	0.7	0.2	0.1
2017	Lower CI	6.6	6.5	5.3
2017	Upper CI	9.7	7.4	5.5
2017	Count	131	1,067	7,176
2017	Rate Ratio		0.8642	0.6707
2017	Ratio Lower CI		0.7111	0.5572
2017	Ratio Upper CI		1.056	0.8121
2017	Ratio <i>p</i> -value		0.1534	0.0001
2017	Pop	1,144,684	11,864,711	122,411,610
2018	Rate	5.6	7	5.3
2018	SE	0.6	0.2	0.1
2018	Lower CI	4.5	6.6	5.2
2018	Upper CI	7	7.4	5.4
2018	Count	98	1,096	7,208
2018	Rate Ratio		1.241	0.9368
2018	Ratio Lower CI		0.9927	0.7556
2018	Ratio Upper CI		1.5617	1.1699
2018	Ratio <i>p</i> -value		0.0588	0.5722
2018	Pop	1,144,058	11,888,329	123,173,106
2019	Rate	6.2	7.1	5.4
2019	SE	0.6	0.2	0.1
2019	Lower CI	5	6.6	5.3
2019	Upper CI	7.6	7.5	5.5
2019	Count	106	1,107	7,502
2019	Rate Ratio		1.1375	0.8722
2019	Ratio Lower CI		0.9174	0.7096

2019	Ratio Upper CI		1.4191	1.0796
2019	Ratio <i>p</i> -value		0.2635	0.2079
2019	Pop	1,143,969	11,913,347	123,828,575
2020	Rate	7	7	5.9
2020	SE	0.7	0.2	0.1
2020	Lower CI	5.8	6.6	5.7
2020	Upper CI	8.5	7.4	6
2020	Count	121	1,130	8,307
2020	Rate Ratio		0.9927	0.8333
2020	Ratio Lower CI		0.8107	0.6868
2020	Ratio Upper CI		1.222	1.0172
2020	Ratio <i>p</i> -value		0.9735	0.0727
2020	Pop	1,141,114	11,921,643	124,293,314
2021	Rate	8.6	8	5.9#
2021	SE	0.7	0.2	0.1
2021	Lower CI	7.2	7.6	5.7
2021	Upper CI	10.1	8.5	6
2021	Count	155	1,283	8,386
2021	Rate Ratio		0.939	0.6847
2021	Ratio Lower CI		0.7856	0.578
2021	Ratio Upper CI		1.1259	0.8141
2021	Ratio <i>p</i> -value		0.5046	0
2021	Pop	1,146,509	11,951,173	124,143,275