COVID-19 Vaccination Coverage by Race and Ethnicity in Washington State Counties

Washington State Department of Health

April 23, 2021



DOH 348-805 April 2021

To request this document in another format, call 1-800-525-0127. Deaf or hard of hearing customers, please call 711 (Washington Relay) or email civil.rights@doh.wa.gov.

Para solicitar este documento en otro formato, llame al 1-800-525-0127. Clientes sordos o con problemas de audición, favor de llamar al 711 (servicio de relé de Washington) o enviar un correo electrónico a civil.rights@doh.wa.gov.

For more information or additional copies of this report: Office of Immunization and Child Profile, Prevention and Community Health, Washington State Department of Health, 243 Israel Road SE, MS: 47843, Tumwater, WA 98501 Phone: 360-236-3595 Email: covid.vaccine@doh.wa.gov

COVID-19 Vaccination Coverage by Race and Ethnicity in Washington State Counties

Washington State Department of Health

April 23, 2021

Overview

This report follows our February 10th report on COVID-19 coverage by race and ethnicity in Washington state. The purpose of this report is to show current race/ethnicity data by county to continue to describe who is being vaccinated in Washington state.

Washington's COVID-19 vaccination program began on December 14, 2020, after the first Emergency Use Authorization was approved. Initially, Washington state prioritized vaccination eligibility of health care workers, first responders, people who live or work in long-term care facilities, and all other workers in health settings who are at risk of COVID-19. Eligibility expanded to additional groups sequentially from January 18 until April 15, 2021, when eligibility expanded to anyone ages 16 and older. The data contained in this report are cumulative and may reflect this prior prioritization. Previously eligible populations do not necessarily align with the race/ethnicity distribution of the general population. This may contribute in part to the observed differences between the race/ethnicity distribution of vaccinated individuals and the total population.

Race, ethnicity, county, and immunization status data are based on provider reporting to the Washington Immunization Information System (WAIIS). All COVID-19 vaccination providers in Washington state are required to report to the WAIIS within 24 hours of vaccine administration. DOH monitors vaccination coverage in Washington's population using WAIIS data.

To assign race/ethnicity categories, we used standard public health data assessment processes, with Hispanic ethnicity assessed first, regardless of race. For those not identified as Hispanic, racial groups were assigned. Racial groups are based on categories in the WAIIS and are consistent with Washington State Office of Financial Management (OFM) race categories, with the exception of "Other" race, which is collected by the WAIIS but not reported by OFM. The "Other" race category is a national HL7 data exchange standard in a drop-down menu option for direct entry in WAIIS, and a requested category for reporting to the CDC. Over 75% of records are reported through HL7 data exchange. The vaccinated population reported as "other" race does not have a population estimate for comparison and would be reported differently if this category was not allowed. Thus, the reported proportion vaccinated for other race and ethnicity groups may be underestimated.

We recognize there are other community informed processes to analyze and assign race/ethnicity categories, and we are committed to working on this with community partners in the future.

This report contains data for the following race/ethnicity groups:

Hispanic

Non-Hispanic American Indian or Alaska Native

Non-Hispanic Asian

Non-Hispanic Black

Non-Hispanic Native Hawaiian or Other Pacific Islander

Non-Hispanic White

Non-Hispanic Other Race and Multiracial

These categories make it possible to examine immunization coverage by race/ethnicity, but do not fully capture the diversity of Washingtonians. Additionally, race and ethnicity data are missing for about 6% of all vaccinated individuals. Race and ethnicity are required fields in the IIS, but providers may report these as unknown. As of 4/21/21, 6.4% of people initiating vaccination and 6.1% of fully vaccinated people had unknown race/ethnicity. Missing race/ethnicity data and the high proportion of individuals with race categorized as "Other" impacts our ability to make conclusions based on these data. Efforts to improve WAIIS data completeness are ongoing.

County-level counts of vaccinated individuals in some race/ethnicity categories may be small. DOH small numbers policy balances the public's need to know with privacy protection. To protect privacy, counts of less than 10 are suppressed in this report. We have also combined the "Other" and "Multiracial" categories into one "Other Race and Multiracial" category to increase sharing of data while maintaining privacy. As more data are reported, we will continue to assess what additional fields can be released.

Vaccine coverage was analyzed two different ways: persons initiating vaccination and persons fully vaccinated. Individuals receiving at least one dose of COVID-19 vaccine were defined as initiating vaccination. Individuals completing the recommended number of COVID-19 doses were defined as fully vaccinated. Those initiating vaccination include fully vaccinated individuals. The count includes doses administered to Washington residents out of state and does not include invalid doses (doses given at inappropriate time interval).

Vaccination coverage by race and ethnicity

Table 1 shows the race/ethnicity of people that have been vaccinated and compares this with the race/ethnicity distribution of the county population. Data are shown separately for people initiating vaccination and people who are fully vaccinated. While there is quite a bit of diversity in the county-level data, a few highlights emerged.

- Hispanics are underrepresented in the vaccinated population in nearly all counties, compared to their percent of the county's population.
 - The size of this gap varies by county. Many counties are in close range of attaining a percent of vaccinations that is at least equal to their share of the population. However, many other counties have large gaps.
- Similarly, non-Hispanic blacks are underrepresented in almost all counties
- In most counties, the race/ethnicity distribution of people initiating vaccination and people fully vaccinated were similar, but there were some exceptions.

Table 1. Cumulative count and percent of people initiating and completing vaccination by reported race and ethnicity by county, April 21, 2021 (Note: Row percents are shown in table)

Status	County	Hispa	nic	Non-Hi	•		Non-Hispanic Asian		Non-Hispanic Black		Non-Hispanic NHOPI		Non-Hispanic White		Non-Hispanic Other*	
Initiated	ADAMS	1653	(34%)	NA		43	(1%)	NA		NA		1865	(39%)	1230	(26%)	782
Completed	ADAMS	1212	(31%)	NA		NA		NA		NA		1602	(42%)	989	(26%)	647
Population	ADAMS	14147	(69%)	127	(1%)	135	(1%)	116	(1%)	11	(0%)	5802	(28%)			
Initiated	ASOTIN	65	(1%)	23	(0%)	49	(1%)	NA		NA		3833	(74%)	1217	(23%)	322
Completed	ASOTIN	51	(1%)	NA		26	(1%)	NA		NA		3058	(72%)	1049	(25%)	239
Population	ASOTIN	938	(4%)	295	(1%)	166	(1%)	138	(1%)	62	(0%)	20436	(90%)			
Initiated	BENTON	7407	(12%)	326	(1%)	2430	(4%)	645	(1%)	157	(0%)	44817	(74%)	4615	(8%)	4033
Completed	BENTON	5279	(12%)	241	(1%)	1627	(4%)	413	(1%)	102	(0%)	34054	(75%)	3616	(8%)	2922
Population	BENTON	47451	(23%)	1463	(1%)	6856	(3%)	2850	(1%)	335	(0%)	141474	(69%)			
Initiated	CHELAN	7211	(21%)	166	(0%)	399	(1%)	87	(0%)	54	(0%)	24057	(70%)	2406	(7%)	1111
Completed	CHELAN	5063	(19%)	127	(0%)	275	(1%)	60	(0%)	37	(0%)	19560	(72%)	1898	(7%)	782
Population	CHELAN	24549	(31%)	538	(1%)	846	(1%)	287	(0%)	129	(0%)	51888	(65%)			
Initiated	CLALLAM	795	(2%)	1725	(5%)	496	(2%)	137	(0%)	71	(0%)	23403	(73%)	5321	(17%)	4016
Completed	CLALLAM	603	(2%)	1459	(6%)	368	(1%)	99	(0%)	53	(0%)	19013	(72%)	4879	(18%)	3017
Population	CLALLAM	5000	(7%)	3564	(5%)	1471	(2%)	652	(1%)	112	(0%)	62839	(82%)			
Initiated	CLARK	8408	(5%)	1377	(1%)	8691	(5%)	2528	(2%)	1185	(1%)	112759	(70%)	26380	(16%)	5750
Completed	CLARK	4725	(4%)	1061	(1%)	5473	(5%)	1658	(1%)	784	(1%)	79197	(71%)	19056	(17%)	3616
Population	CLARK	48292	(10%)	3424	(1%)	26187	(5%)	11053	(2%)	4073	(1%)	386399	(77%)			
Initiated	COLUMBIA	NA		NA		NA		NA		NA		887	(90%)	49	(5%)	NA
Completed	COLUMBIA	29	(3%)	NA		NA		NA		NA		793	(90%)	44	(5%)	NA
Population	COLUMBIA	286	(7%)	59	(1%)	43	(1%)	15	(0%)	55	(1%)	3632	(87%)			
Initiated	COWLITZ	1409	(4%)	487	(1%)	768	(2%)	187	(1%)	129	(0%)	28520	(81%)	3656	(10%)	1012
Completed	COWLITZ	1018	(4%)	380	(1%)	517	(2%)	130	(0%)	91	(0%)	22367	(81%)	2957	(11%)	730
Population	COWLITZ	10793	(10%)	1502	(1%)	2003	(2%)	790	(1%)	366	(0%)	91093	(82%)			

Status	County	Hispanic		Non-Hispanic AIAN			Non-Hispanic Asian		panic k	Non-Hispanic NHOPI		Non-Hispanic White		Non-Hispanic Other*		Unk/ Missing
Initiated	DOUGLAS	4645	(29%)	66	(0%)	199	(1%)	47	(0%)	25	(0%)	9966	(62%)	1064	(7%)	366
Completed	DOUGLAS	3269	(26%)	53	(0%)	140	(1%)	39	(0%)	20	(0%)	8240	(65%)	841	(7%)	211
Population	DOUGLAS	14794	(34%)	342	(1%)	379	(1%)	121	(0%)	74	(0%)	27205	(62%)			
Initiated	FERRY	16	(1%)	101	(6%)	NA		NA		NA		1461	(90%)	21	(1%)	48
Completed	FERRY	NA		91	(6%)	NA		NA		NA		1289	(91%)	NA		29
Population	FERRY	325	(4%)	1123	(14%)	116	(1%)	31	(0%)	15	(0%)	5824	(74%)			
Initiated	FRANKLIN	8310	(39%)	73	(0%)	589	(3%)	293	(1%)	42	(0%)	10250	(49%)	1533	(7%)	1753
Completed	FRANKLIN	5866	(38%)	48	(0%)	417	(3%)	222	(1%)	32	(0%)	7884	(50%)	1166	(7%)	1225
Population	FRANKLIN	54092	(56%)	430	(0%)	2041	(2%)	1645	(2%)	145	(0%)	36847	(38%)			
Initiated	GARFIELD	NA		NA		NA		NA		NA		377	(90%)	20	(5%)	NA
Completed	GARFIELD	NA		NA		NA		NA		NA		330	(92%)	NA		NA
Population	GARFIELD	74	(3%)	12	(1%)	28	(1%)	1	(0%)	1	(0%)	2069	(93%)			
Initiated	GRANT	7905	(30%)	248	(1%)	303	(1%)	171	(1%)	45	(0%)	15699	(59%)	2422	(9%)	931
Completed	GRANT	5771	(27%)	197	(1%)	205	(1%)	134	(1%)	31	(0%)	13262	(62%)	1914	(9%)	660
Population	GRANT	43852	(44%)	864	(1%)	1057	(1%)	859	(1%)	69	(0%)	51600	(52%)			
Initiated	GRAYS HARBOR	1287	(5%)	1088	(4%)	397	(2%)	138	(1%)	64	(0%)	19385	(79%)	2312	(9%)	1966
Completed	GRAYS HARBOR	863	(4%)	976	(5%)	302	(2%)	99	(1%)	51	(0%)	15555	(80%)	1678	(9%)	1395
Population	GRAYS HARBOR	8133	(11%)	3067	(4%)	1263	(2%)	910	(1%)	238	(0%)	58233	(78%)			
Initiated	ISLAND	1038	(3%)	197	(1%)	1296	(4%)	354	(1%)	217	(1%)	26265	(83%)	2364	(7%)	2228
Completed	ISLAND	639	(3%)	150	(1%)	807	(3%)	215	(1%)	143	(1%)	19486	(84%)	1818	(8%)	1405
Population	ISLAND	6121	(7%)	612	(1%)	4640	(5%)	2137	(2%)	459	(1%)	67638	(79%)			
Initiated	JEFFERSON	276	(2%)	112	(1%)	267	(2%)	61	(0%)	21	(0%)	15350	(89%)	1223	(7%)	1068
Completed	JEFFERSON	170	(1%)	86	(1%)	194	(1%)	47	(0%)	16	(0%)	12311	(89%)	991	(7%)	662
Population	JEFFERSON	1163	(4%)	684	(2%)	648	(2%)	318	(1%)	84	(0%)	28151	(87%)			
Initiated	KING	61895	(6%)	6458	(1%)	199284	(20%)	41326	(4%)	6911	(1%)	563542	(57%)	108565	(11%)	54399
Completed	KING	34684	(6%)	4493	(1%)	114838	(18%)	27124	(4%)	4229	(1%)	364403	(58%)	73300	(12%)	30912
Population	KING	233923	(10%)	13703	(1%)	429652	(19%)	152999	(7%)	19548	(1%)	1303935	(58%)			

Status	County	Hispanic		Non-Hispanic AIAN		Non-Hispanic Asian			Non-Hispanic Black		Non-Hispanic NHOPI		Non-Hispanic White		Non-Hispanic Other*	
Initiated	KITSAP	3455	(4%)	1310	(2%)	4726	(5%)	1321	(2%)	857	(1%)	66056	(76%)	8945	(10%)	8368
Completed	KITSAP	2303	(3%)	1015	(2%)	3567	(5%)	923	(1%)	626	(1%)	52093	(77%)	6828	(10%)	5790
Population	KITSAP	21068	(8%)	3693	(1%)	15936	(6%)	8185	(3%)	2757	(1%)	204464	(75%)			
Initiated	KITTITAS	575	(5%)	172	(1%)	185	(2%)	88	(1%)	26	(0%)	9188	(75%)	1976	(16%)	4960
Completed	KITTITAS	334	(4%)	127	(1%)	97	(1%)	54	(1%)	15	(0%)	6852	(78%)	1283	(15%)	3398
Population	KITTITAS	4409	(9%)	437	(1%)	997	(2%)	411	(1%)	71	(0%)	40519	(84%)			
Initiated	KLICKITAT	503	(7%)	79	(1%)	43	(1%)	NA		NA		6048	(88%)	158	(2%)	1086
Completed	KLICKITAT	354	(7%)	63	(1%)	NA		NA		NA		4421	(89%)	120	(2%)	766
Population	KLICKITAT	2906	(13%)	332	(1%)	169	(1%)	86	(0%)	8	(0%)	18607	(82%)			
Initiated	LEWIS	1030	(5%)	265	(1%)	287	(1%)	136	(1%)	78	(0%)	16185	(81%)	1984	(10%)	2427
Completed	LEWIS	666	(4%)	206	(1%)	206	(1%)	100	(1%)	55	(0%)	12285	(81%)	1688	(11%)	1907
Population	LEWIS	8832	(11%)	1075	(1%)	952	(1%)	519	(1%)	141	(0%)	66119	(82%)			
Initiated	LINCOLN	52	(2%)	46	(1%)	NA		NA		NA		2907	(92%)	103	(3%)	228
Completed	LINCOLN	40	(2%)	25	(1%)	NA		NA		NA		2353	(94%)	76	(3%)	190
Population	LINCOLN	343	(3%)	175	(2%)	66	(1%)	47	(0%)	6	(0%)	10142	(92%)			
Initiated	MASON	838	(4%)	564	(3%)	300	(1%)	141	(1%)	73	(0%)	16556	(80%)	2326	(11%)	2189
Completed	MASON	519	(3%)	483	(3%)	204	(1%)	91	(1%)	48	(0%)	12983	(80%)	1829	(11%)	1355
Population	MASON	6870	(10%)	1970	(3%)	925	(1%)	716	(1%)	280	(0%)	52160	(79%)			
Initiated	OKANOGAN	2631	(16%)	1840	(12%)	94	(1%)	181	(1%)	22	(0%)	10606	(66%)	584	(4%)	846
Completed	OKANOGAN	2018	(15%)	1661	(13%)	68	(1%)	171	(1%)	17	(0%)	8887	(67%)	425	(3%)	565
Population	OKANOGAN	9280	(22%)	4509	(10%)	352	(1%)	189	(0%)	55	(0%)	27468	(64%)			
Initiated	PACIFIC	230	(3%)	144	(2%)	111	(2%)	27	(0%)	24	(0%)	6484	(90%)	202	(3%)	1423
Completed	PACIFIC	122	(2%)	109	(2%)	55	(1%)	NA		NA		4639	(91%)	160	(3%)	1250
Population	PACIFIC	2268	(10%)	406	(2%)	545	(2%)	111	(1%)	19	(0%)	17759	(81%)			
Initiated	PEND OREILLE	49	(2%)	53	(2%)	NA		NA		NA		2049	(74%)	582	(21%)	511
Completed	PEND OREILLE	34	(2%)	43	(2%)	NA		NA		NA		1383	(70%)	502	(25%)	413
Population	PEND OREILLE	524	(4%)	504	(4%)	131	(1%)	85	(1%)	19	(0%)	12194	(88%)			

Status	County	Hispanic		Non-Hispanic AIAN			Non-Hispanic Asian		Non-Hispanic Black		Non-Hispanic NHOPI		Non-Hispanic White		Non-Hispanic Other*	
Initiated	PIERCE	15740	(6%)	4134	(2%)	22272	(8%)	13186	(5%)	3306	(1%)	183626	(69%)	24150	(9%)	14678
Completed	PIERCE	9138	(5%)	3137	(2%)	15557	(8%)	9082	(5%)	2065	(1%)	131821	(70%)	17093	(9%)	8979
Population	PIERCE	100817	(11%)	9941	(1%)	65809	(7%)	65024	(7%)	14551	(2%)	583955	(65%)			
Initiated	SAN JUAN	340	(4%)	40	(0%)	132	(2%)	26	(0%)	12	(0%)	7775	(89%)	382	(4%)	856
Completed	SAN JUAN	151	(2%)	24	(0%)	75	(1%)	NA		NA		5672	(92%)	239	(4%)	590
Population	SAN JUAN	1214	(7%)	104	(1%)	265	(2%)	78	(0%)	21	(0%)	15233	(88%)			
Initiated	SKAGIT	5358	(11%)	712	(1%)	1054	(2%)	269	(1%)	148	(0%)	37856	(76%)	4723	(9%)	3003
Completed	SKAGIT	2980	(8%)	583	(2%)	631	(2%)	160	(0%)	97	(0%)	28846	(78%)	3513	(10%)	2063
Population	SKAGIT	26479	(20%)	2189	(2%)	2966	(2%)	896	(1%)	298	(0%)	94255	(72%)			
Initiated	SKAMANIA	199	(8%)	27	(1%)	NA		NA		NA		2256	(86%)	119	(5%)	293
Completed	SKAMANIA	150	(8%)	23	(1%)	NA		NA		NA		1649	(85%)	86	(4%)	213
Population	SKAMANIA	770	(6%)	155	(1%)	149	(1%)	54	(0%)	23	(0%)	10669	(87%)			
Initiated	SNOHOMISH	17712	(6%)	2905	(1%)	43545	(14%)	7681	(3%)	2101	(1%)	190490	(63%)	37300	(12%)	15312
Completed	SNOHOMISH	9722	(5%)	2150	(1%)	25755	(13%)	4980	(3%)	1337	(1%)	127901	(65%)	25916	(13%)	9548
Population	SNOHOMISH	90576	(11%)	9195	(1%)	98685	(12%)	25435	(3%)	4722	(1%)	564701	(68%)			
Initiated	SPOKANE	5476	(3%)	2037	(1%)	3868	(2%)	2205	(1%)	615	(0%)	126627	(81%)	15739	(10%)	16978
Completed	SPOKANE	3466	(3%)	1448	(1%)	2472	(2%)	1466	(1%)	366	(0%)	88050	(81%)	11303	(10%)	13382
Population	SPOKANE	30454	(6%)	7279	(1%)	13755	(3%)	9875	(2%)	3049	(1%)	437444	(84%)			
Initiated	STEVENS	109	(1%)	495	(6%)	54	(1%)	NA		NA		6797	(83%)	735	(9%)	986
Completed	STEVENS	62	(1%)	98	(2%)	NA		NA		NA		4589	(85%)	576	(11%)	683
Population	STEVENS	1631	(4%)	2410	(5%)	376	(1%)	209	(0%)	80	(0%)	39544	(86%)			
Initiated	THURSTON	4728	(5%)	1365	(1%)	6841	(7%)	2045	(2%)	810	(1%)	78282	(75%)	10712	(10%)	5856
Completed	THURSTON	2776	(4%)	1016	(1%)	4539	(6%)	1288	(2%)	500	(1%)	55545	(76%)	7849	(11%)	3878
Population	THURSTON	26012	(9%)	3429	(1%)	18990	(7%)	8864	(3%)	2730	(1%)	215476	(74%)			
Initiated	WAHKIAKUM	15	(1%)	17	(1%)	NA		NA		NA		1213	(86%)	138	(10%)	174
Completed	WAHKIAKUM	12	(1%)	NA		NA		NA		NA		1048	(86%)	120	(10%)	141
Population	WAHKIAKUM	179	(4%)	48	(1%)	47	(1%)	15	(0%)	8	(0%)	3765	(89%)			

Status	County	Hispa	nic	Non-Hi	•	Non-His Asia			Non-Hispanic Black		Non-Hispanic NHOPI		Non-Hispanic White		Non-Hispanic Other*	
Initiated	WALLA WALLA	3831	(17%)	104	(0%)	472	(2%)	226	(1%)	60	(0%)	16067	(71%)	1722	(8%)	1766
Completed	WALLA WALLA	2934	(17%)	74	(0%)	277	(2%)	147	(1%)	28	(0%)	12609	(72%)	1462	(8%)	1454
Population	WALLA WALLA	14642	(23%)	495	(1%)	1010	(2%)	1147	(2%)	216	(0%)	43551	(70%)			
Initiated	WHATCOM	4286	(5%)	1005	(1%)	4012	(5%)	742	(1%)	324	(0%)	66863	(76%)	10599	(12%)	5715
Completed	WHATCOM	2333	(4%)	754	(1%)	2457	(4%)	424	(1%)	192	(0%)	46700	(77%)	7440	(12%)	3092
Population	WHATCOM	22176	(10%)	5717	(3%)	10333	(5%)	2339	(1%)	642	(0%)	178378	(78%)			
Initiated	WHITMAN	395	(3%)	57	(0%)	691	(6%)	190	(2%)	24	(0%)	8318	(70%)	2246	(19%)	1970
Completed	WHITMAN	224	(3%)	NA		289	(4%)	107	(1%)	NA		5987	(74%)	1440	(18%)	820
Population	WHITMAN	3174	(6%)	306	(1%)	5424	(11%)	932	(2%)	95	(0%)	38503	(76%)			
Initiated	YAKIMA	32494	(42%)	4065	(5%)	839	(1%)	485	(1%)	146	(0%)	33593	(43%)	5767	(7%)	5553
Completed	YAKIMA	22007	(39%)	3416	(6%)	545	(1%)	343	(1%)	97	(0%)	26003	(46%)	4610	(8%)	4151
Population	YAKIMA	134120	(52%)	8862	(3%)	3315	(1%)	2086	(1%)	206	(0%)	104683	(41%)			
Initiated	UNKNOWN	7581	(9%)	667	(1%)	10044	(12%)	3307	(4%)	641	(1%)	55134	(68%)	3718	(5%)	16933
Completed	UNKNOWN	4709	(9%)	467	(1%)	5646	(11%)	2266	(4%)	426	(1%)	36801	(70%)	2614	(5%)	
Initiated	WA STATE	220003	(8%)	34565	(1%)	314882	(11%)	78323	(3%)	18243	(1%)	1853412	(66%)	299308	(11%)	191965
Completed	WA STATE	136321	(7%)	26355	(1%)	187784	(10%)	51940	(3%)	11528	(1%)	1301521	(67%)	213397	(11%)	124327
Population	WA STATE	1022677	(13%)	95040	(1%)	718728	(9%)	302225	(4%)	55773	(1%)	5124654	(67%)			

^{*} Non-Hispanic Other includes people reporting more than one race (Multiracial) and/or other races not presented in table.

AIAN = American Indian and Alaskan Native

NHOPI = Native Hawaiian and Other Pacific Islander

Note: The percent values in the Population row are based on total county populations counts; however, the OFM does not provide a count for Non-Hispanic Other. Hence the row of percents excludes population data for Non-Hispanic Other/Multiracial and will not sum to 100%.