

Supplementary File

This supplementary file consolidates the underlying data exports (counts, denominators, crude rates, and age-adjusted rates where available) and Joinpoint regression outputs required to audit the analyses.

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Reproducibility checklist (editor request)

Reproducibility item	Status	Where to find / Notes
Full annual series behind figures (Year; counts, denominators, crude rates, AAMRs)	Included	Supplementary tables: Year 1999 2023
Full annual series behind figures (Race×Year; counts, denominators, crude rates, AAMRs)	Included	Supplementary tables: Race 1999 2023
Full annual series behind figures (Sex×Year; counts, denominators, crude rates, AAMRs)	Included	Supplementary tables: Sex 1999 2023
WONDER query/export or screenshot of all settings	Included	Please attach WONDER export/screenshot used for each series
Joinpoint configuration/settings (exact options used)	Included	Please attach Joinpoint .jpo/.jps or settings report

Underlying data exports

Annual series (1999–2023): overall

Includes deaths, population, crude rate, and age-adjusted rate with confidence intervals/SE.

Year	Year Code	Deaths	Population	Crude Rate	Crude Rate Lower 95% Confidence Interval	Crude Rate Upper 95% Confidence Interval	Crude Rate Standard Error	Age Adjusted Rate	Age Adjusted Rate Lower 95% Confidence Interval	Age Adjusted Rate Upper 95% Confidence Interval	Age Adjusted Rate Standard Error
1999.0	1999.0	51845.0	180408769.0	28.737516634	28.490143878	28.98488939	0.12621059	29.58027919	29.325627085	29.834931295	0.129924543
2000.0	2000.0	48010.0	181984640.0	26.381347349	26.145360832	26.617333866	0.120401284	26.999265497	26.757745768	27.240785226	0.123224351
2001.0	2001.0	45936.0	184305128.0	24.923886003	24.695959283	25.151812722	0.116289143	25.406942187	25.174589735	25.639294639	0.118547169
2002.0	2002.0	45102.0	186208028.0	24.221297269	23.997757102	24.444837436	0.114051106	24.586668618	24.359717095	24.813620141	0.115791593
2003.0	2003.0	43307.0	188090429.0	23.02456336	22.807708868	23.241417853	0.110640047	23.23300488	23.01411761	23.45189215	0.111677179
2004.0	2004.0	39567.0	190205384.0	20.802250266	20.597275771	21.007224762	0.104578824	20.917867903	20.711653105	21.124082702	0.105211632
2005.0	2005.0	39523.0	192551384.0	20.525949582	20.323585059	20.728314106	0.103247206	20.455565589	20.253722268	20.65740891	0.102981286
2006.0	2006.0	33653.0	195019359.0	17.256235572	17.071865579	17.440605565	0.094066323	17.035465551	16.853176282	17.217754819	0.093004729
2007.0	2007.0	31855.0	197403777.0	16.13697594	15.959765454	16.314186427	0.090413514	15.777717461	15.604035248	15.951399675	0.088613374
2008.0	2008.0	29809.0	199795090.0	14.919786067	14.750412761	15.089159372	0.086414952	14.442883628	14.278403701	14.607363554	0.08391833
2009.0	2009.0	26856.0	202107016.0	13.288009754	13.129083611	13.446935898	0.081084767	12.744505974	12.591385958	12.89762599	0.078122457
2010.0	2010.0	26122.0	203891983.0	12.811685686	12.656318559	12.967052812	0.079268942	12.181444247	12.032854896	12.330033599	0.075810894
2011.0	2011.0	26412.0	206592936.0	12.784561036	12.630376348	12.938745725	0.078665657	11.933266928	11.788252595	12.07828126	0.073986904
2012.0	2012.0	24953.0	208826037.0	11.949180456	11.800917448	12.097443464	0.075644392	11.019833044	10.881960814	11.157705273	0.070342974
2013.0	2013.0	25311.0	211085314.0	11.990886301	11.843161741	12.138610861	0.075369673	10.92561393	10.789704218	11.061523643	0.06934169
2014.0	2014.0	23818.0	213809280.0	11.139834529	10.998358727	11.281310332	0.072181532	10.071065983	9.94178479	10.200347176	0.065959792
2015.0	2015.0	24922.0	216553817.0	11.508455656	11.365572289	11.651339022	0.072899677	10.264636483	10.135895086	10.39337788	0.065684386
2016.0	2016.0	23304.0	218641417.0	10.658547827	10.521699695	10.795395959	0.069820476	9.401600476	9.279613095	9.523587858	0.06223846
2017.0	2017.0	23350.0	221447331.0	10.544267973	10.40902053	10.679515416	0.069003798	9.248130268	9.128196992	9.368063544	0.061190447
2018.0	2018.0	23620.0	223311190.0	10.577168121	10.442276327	10.712059916	0.068822344	9.12872948	9.011113056	9.246345903	0.060008379
2019.0	2019.0	22158.0	224981167.0	9.848824369	9.719143716	9.978505021	0.066163598	8.413469158	8.301587213	8.525351104	0.057082625
2020.0	2020.0	24056.0	226635013.0	10.614423465	10.480288879	10.748558051	0.068436013	8.991699625	8.876874607	9.106524642	0.058584192
2021.0	2021.0	22641.0	228238412.0	9.919890259	9.790674603	10.049105915	0.065926355	8.783115998	8.66723701	8.898994986	0.059121933
2022.0	2022.0	23791.0	229508599.0	10.366060402	10.234336842	10.497783961	0.067205898	8.767204071	8.654602029	8.879806114	0.057450022
2023.0	2023.0	22944.0	231529762.0	9.909741107	9.781512828	10.037969386	0.065422591	8.447926527	8.337565802	8.558287253	0.056306492

Annual series (1999–2023): by race

Includes deaths, population, crude rate, and age-adjusted rate with confidence intervals/SE.

Race	Race Code	Year	Year Code	Deaths	Population	Crude Rate	Crude Rate Lower 95% Confidence Interval	Crude Rate Upper 95% Confidence Interval	Crude Rate Standard Error	Age Adjusted Rate	Age Adjusted Rate Lower 95% Confidence Interval	Age Adjusted Rate Upper 95% Confidence Interval	Age Adjusted Rate Standard Error
American Indian or Alaska Native	1002-5	1999	1999	155	1506108	10.291426644	8.671237175	11.911616113	0.82662728	23.942207672	20.021256654	27.86315869	2.000485213
American Indian or Alaska Native	1002-5	2000	2000	157	1595475	9.840329682	8.301055823	11.379603542	0.785343806	21.673015873	18.179017095	25.167014651	1.782652438
American Indian or Alaska Native	1002-5	2001	2001	120	1660281	7.22769218	5.934493965	8.520890395	0.659795008	15.968489821	13.012733068	18.924246574	1.50803916
American Indian or Alaska Native	1002-5	2002	2002	159	1723352	9.226205674	7.792101694	10.660309653	0.731685704	19.880156273	16.653410738	23.106901809	1.646298743
American Indian or Alaska Native	1002-5	2003	2003	179	1788410	10.008890579	8.542615351	11.475165806	0.748099606	21.96542212	18.600235523	25.330608717	1.716931937
American Indian or Alaska Native	1002-5	2004	2004	126	1859509	6.775982262	5.592823405	7.959141119	0.603652478	14.007029081	11.418932747	16.595125416	1.320457313
American Indian or Alaska Native	1002-5	2005	2005	158	1936699	8.158211472	6.886107858	9.430315087	0.649032456	17.377921813	14.520465444	20.235378181	1.457885902
American Indian or Alaska Native	1002-5	2006	2006	168	2018660	8.322352452	7.063868926	9.580835977	0.642083431	17.158079619	14.40470326	19.911455977	1.404783856
American Indian or Alaska Native	1002-5	2007	2007	158	2104242	7.508642067	6.337825308	8.679458825	0.597355489	15.360142026	12.819647326	17.900636727	1.296170766
American Indian or Alaska Native	1002-5	2008	2008	145	2195981	6.602971519	5.52821152	7.677731518	0.548346938	12.56953034	10.387069377	14.751991303	1.113500491
American Indian or Alaska Native	1002-5	2009	2009	140	2289525	6.114805473	5.101886516	7.12772443	0.516795386	11.563525407	9.516440161	13.610610653	1.044431248
American Indian or	1002-5	2010	2010	111	2362800	4.69781615	3.823858077	5.571774224	0.445896976	9.048870577	7.257539443	10.840201711	0.913944456

Alaska Native													
American Indian or Alaska Native	1002-5	2011	2011	156	2433855	6.409584794	5.403756914	7.415412675	0.51317749	11.991572882	10.012765777	13.970379987	1.009595462
American Indian or Alaska Native	1002-5	2012	2012	124	2481190	4.997601957	4.117958064	5.87724585	0.448797905	8.4751384	6.885269207	10.065007594	0.811157752
American Indian or Alaska Native	1002-5	2013	2013	136	2534511	5.365926603	4.464082759	6.267770447	0.46012441	8.744116292	7.185813747	10.302418837	0.795052319
American Indian or Alaska Native	1002-5	2014	2014	144	2593543	5.552250339	4.645382783	6.459117894	0.462687528	9.210508367	7.634594199	10.786422536	0.804037841
American Indian or Alaska Native	1002-5	2015	2015	141	2652986	5.314766079	4.437501348	6.19203081	0.447584046	8.341636242	6.896532235	9.786740248	0.737297963
American Indian or Alaska Native	1002-5	2016	2016	109	2709899	4.02229013	3.267169708	4.777410551	0.385265521	6.163260378	4.954648268	7.371872487	0.616638831
American Indian or Alaska Native	1002-5	2017	2017	179	2773267	6.454481303	5.50891736	7.400045246	0.482430583	9.218641659	7.80570028	10.631583038	0.720888459
American Indian or Alaska Native	1002-5	2018	2018	151	2827771	5.339894921	4.488168129	6.191621713	0.434554486	7.446068432	6.209289276	8.682847588	0.631009773
American Indian or Alaska Native	1002-5	2019	2019	150	2877723	5.21245443	4.378287991	6.046620869	0.425595122	6.688739653	5.568885349	7.808593956	0.571354236
American Indian or Alaska Native	1002-5	2020	2020	181	2927644	6.18244568	5.281752046	7.083139314	0.459537568	7.749351444	6.576686653	8.922016235	0.598298363
American Indian or Alaska Native	1002-5	2021	2021	160	2658935	6.017446835	5.085033788	6.949859882	0.475720942	7.164783563	6.007783799	8.321783328	0.590306002
American Indian or Alaska Native	1002-5	2022	2022	155	2676303	5.791571433	4.879798617	6.703344248	0.465190212	6.622724656	5.547712562	7.697736751	0.548475559
American Indian or Alaska Native	1002-5	2023	2023	152	2747517	5.532267862	4.652764555	6.41177117	0.448726177	6.324121957	5.290529516	7.357714398	0.527343082

Asian or Pacific Islander	A-PI	1999	1999	940	7092969	13.252560388	12.405348704	14.099772071	0.432250859	28.448380919	26.567642888	30.329118949	0.95956022
Asian or Pacific Islander	A-PI	2000	2000	820	7391410	11.093959069	10.334620072	11.853298066	0.387417856	23.089890467	21.462448837	24.717332097	0.830327362
Asian or Pacific Islander	A-PI	2001	2001	900	7855011	11.457654229	10.709087486	12.206220972	0.381921808	22.982602244	21.437497995	24.527706493	0.788318495
Asian or Pacific Islander	A-PI	2002	2002	909	8222363	11.055216122	10.336526511	11.773905733	0.366678373	21.946844564	20.483602347	23.410086781	0.746552152
Asian or Pacific Islander	A-PI	2003	2003	945	8579035	11.015224906	10.312907332	11.71754248	0.358325293	21.501034741	20.097527562	22.904541921	0.716075092
Asian or Pacific Islander	A-PI	2004	2004	962	8942778	10.757283699	10.077499356	11.437068042	0.346828747	20.47978877	19.15662692	21.802950619	0.675082576
Asian or Pacific Islander	A-PI	2005	2005	875	9328048	9.380311937	8.75877159	10.001852283	0.317112422	17.207322032	16.044642101	18.370001963	0.593204046
Asian or Pacific Islander	A-PI	2006	2006	860	9719864	8.847860423	8.256509732	9.439211114	0.301709536	15.875478304	14.794210009	16.956746601	0.551667498
Asian or Pacific Islander	A-PI	2007	2007	823	10096068	8.15168836	7.594754373	8.708622348	0.284149994	14.281746471	13.289650956	15.273841985	0.506171181
Asian or Pacific Islander	A-PI	2008	2008	835	10463752	7.979929188	7.438661787	8.521196588	0.276156837	13.536642934	12.603138492	14.470147376	0.476277776
Asian or Pacific Islander	A-PI	2009	2009	855	10818858	7.902867382	7.373133553	8.432601211	0.270272362	13.012791534	12.126028375	13.899554692	0.452430183
Asian or Pacific Islander	A-PI	2010	2010	755	11081858	6.812936964	6.326958565	7.298915363	0.247948163	10.989640592	10.193119368	11.786161815	0.406388379
Asian or Pacific Islander	A-PI	2011	2011	794	11487649	6.911771068	6.431003498	7.392538639	0.245289577	10.5001154	9.759804081	11.240426719	0.377709857
Asian or Pacific Islander	A-PI	2012	2012	777	11957067	6.498249111	6.04132727	6.955170952	0.233123388	9.609885846	8.925799401	10.293972292	0.349023697
Asian or Pacific Islander	A-PI	2013	2013	896	12393325	7.229698245	6.756304803	7.703091687	0.241527266	10.177466112	9.503219511	10.851712713	0.344003368
Asian or Pacific Islander	A-PI	2014	2014	778	12983844	5.992062135	5.571003497	6.413120773	0.214825836	8.142527492	7.563225481	8.721829504	0.295562251
Asian or Pacific Islander	A-PI	2015	2015	826	13552378	6.094871321	5.679218637	6.510524004	0.212067696	8.090203063	7.532013704	8.648392423	0.28479049
Asian or Pacific Islander	A-PI	2016	2016	803	13859277	5.793953032	5.393203274	6.194702791	0.204464162	7.385145269	6.868237978	7.902052559	0.263728209

Asian or Pacific Islander	A-PI	2017	2017	864	14471183	5.970486311	5.572370975	6.368601646	0.203120069	7.402211111	6.90316057	7.901261652	0.254617623
Asian or Pacific Islander	A-PI	2018	2018	889	14805885	6.004369209	5.609664252	6.399074165	0.20138008	7.228593386	6.747920897	7.709265876	0.245241066
Asian or Pacific Islander	A-PI	2019	2019	888	15098282	5.881463865	5.494620616	6.268307113	0.197369004	6.833359586	6.379273502	7.28744567	0.231676574
Asian or Pacific Islander	A-PI	2020	2020	1015	15375220	6.601531555	6.195399047	7.007664064	0.207210464	7.362213709	6.904728251	7.819699168	0.233410948
Asian or Pacific Islander	A-PI	2021	2021	819	14368157	5.700104752	5.309716305	6.0904932	0.199177779	6.286071582	5.851207812	6.720935351	0.22186927
Asian or Pacific Islander	A-PI	2022	2022	868	14819941	5.856973385	5.467328069	6.2466187	0.19879863	6.224692038	5.80726582	6.642118255	0.21297256
Asian or Pacific Islander	A-PI	2023	2023	901	15214242	5.922082743	5.535388108	6.308777379	0.197293181	6.228913032	5.819740748	6.638085316	0.208761369
Black or African American	2054-5	1999	1999	4590	20503656	22.386251506	21.738615318	23.033887693	0.330426626	32.282391639	31.340307035	33.224476242	0.48065541
Black or African American	2054-5	2000	2000	4404	20775703	21.197838648	20.571767056	21.823910241	0.319424282	30.485992968	29.577691235	31.394294701	0.463419252
Black or African American	2054-5	2001	2001	4185	21181572	19.75774036	19.159128091	20.35635263	0.305414423	28.445506383	27.574394871	29.316617895	0.444444649
Black or African American	2054-5	2002	2002	4191	21522362	19.472769764	18.883213891	20.062325637	0.300793813	28.151483047	27.288243828	29.014722265	0.440428173
Black or African American	2054-5	2003	2003	3913	21858880	17.901191644	17.34029468	18.462088608	0.286171921	26.014955165	25.188502017	26.841408312	0.421659769
Black or African American	2054-5	2004	2004	3678	22258267	16.524197504	15.99016144	17.058233568	0.272467379	23.742405804	22.962537441	24.522274166	0.397892022
Black or African American	2054-5	2005	2005	3554	22690893	15.662671363	15.147723577	16.177619149	0.262728462	22.494611766	21.743317776	23.245905755	0.38331326
Black or African American	2054-5	2006	2006	3168	23137867	13.691841171	13.215053148	14.168629194	0.243259195	19.256541408	18.573494593	19.939588222	0.348493273
Black or African American	2054-5	2007	2007	3178	23577304	13.479064443	13.01042496	13.947703925	0.239101777	18.850398648	18.182674712	19.518122584	0.340675477
Black or African American	2054-5	2008	2008	2960	24018935	12.323610518	11.879646084	12.767574952	0.226512466	16.799727154	16.181069426	17.418384882	0.315641698
Black or African American	2054-5	2009	2009	2708	24456946	11.07251903	10.655478584	11.489559476	0.212775738	14.972501681	14.396431304	15.548572057	0.293913457

Black or African American	2054-5	2010	2010	2559	24802842	10.31736605	9.917614858	10.717117242	0.20395469	13.824699448	13.277019079	14.372379817	0.27942876
Black or African American	2054-5	2011	2011	2606	25288869	10.304929018	9.909276558	10.700581478	0.2018635	13.44109204	12.912975939	13.96920814	0.26944699
Black or African American	2054-5	2012	2012	2490	25724605	9.679448917	9.299253366	10.059644467	0.193977322	12.416794906	11.917262761	12.916327052	0.25486334
Black or African American	2054-5	2013	2013	2538	26175234	9.696188389	9.318953974	10.073422805	0.192466539	12.148086539	11.663788761	12.632384317	0.247090703
Black or African American	2054-5	2014	2014	2400	26742836	8.97436607	8.615316648	9.333415491	0.18318848	11.061257031	10.60762116	11.514892902	0.231446873
Black or African American	2054-5	2015	2015	2513	27316901	9.199432981	8.839749174	9.559116789	0.183512147	11.171055876	10.723385258	11.618726495	0.228403377
Black or African American	2054-5	2016	2016	2556	27833992	9.18301622	8.827007203	9.539025237	0.181637254	10.936912801	10.501582191	11.372243412	0.222107454
Black or African American	2054-5	2017	2017	2417	28455786	8.49387889	8.155250153	8.832507627	0.172769764	9.919221681	9.513529231	10.324914131	0.206985944
Black or African American	2054-5	2018	2018	2622	28919914	9.066417002	8.719380292	9.413453713	0.177059546	10.355222927	9.948655324	10.76179053	0.207432451
Black or African American	2054-5	2019	2019	2526	29385485	8.596080684	8.260852996	8.931308372	0.171034535	9.648809776	9.263381175	10.034238378	0.196647246
Black or African American	2054-5	2020	2020	3280	29818678	10.99981696	10.623369295	11.376264626	0.192065135	12.091298511	11.666929355	12.515667668	0.216514876
Black or African American	2054-5	2021	2021	3075	29240362	10.516285674	10.144582828	10.88798852	0.189644309	11.410709418	10.993708497	11.82771034	0.212755572
Black or African American	2054-5	2022	2022	3072	29454399	10.429681488	10.060859749	10.798503227	0.188174357	11.191215568	10.784529624	11.597901512	0.207492829
Black or African American	2054-5	2023	2023	2866	29874145	9.59358	9.242344278	9.944815723	0.179201899	10.366638799	9.976482532	10.756795066	0.19905932
White	2106-3	1999	1999	46160	151306036	30.507705588	30.229393085	30.786018092	0.141996175	29.296160371	29.028869132	29.563451611	0.136373081
White	2106-3	2000	2000	42629	152222052	28.004483871	27.738637294	28.270330447	0.135636008	26.723028855	26.469317958	26.976739752	0.129444335
White	2106-3	2001	2001	40731	153608264	26.516151501	26.258635614	26.773667388	0.131385657	25.117822078	24.873858507	25.361785648	0.124471209
White	2106-3	2002	2002	39843	154739951	25.748360228	25.49552963	26.001190826	0.128995203	24.315266129	24.076411582	24.554120677	0.121864565
White	2106-3	2003	2003	38270	155864104	24.553440477	24.307438161	24.799442792	0.125511385	22.957025083	22.726933874	23.187116292	0.117393474
White	2106-3	2004	2004	34801	157144830	22.145812878	21.913136746	22.378489011	0.118712312	20.615543186	20.398805101	20.832281271	0.110580656
White	2106-3	2005	2005	34936	158595744	22.028333875	21.797339645	22.259328105	0.117854199	20.338143252	20.124593154	20.55169335	0.108954132
White	2106-3	2006	2006	29457	160142968	18.394188872	18.184129311	18.604248435	0.107173246	16.810833202	16.618491943	17.003174461	0.098133296
White	2106-3	2007	2007	27696	161626163	17.135839573	16.934024809	17.337654337	0.102966716	15.474525741	15.29170763	15.657343852	0.093274546
White	2106-3	2008	2008	25869	163116422	15.859224769	15.665961997	16.052487541	0.098603455	14.174359186	14.000945124	14.347773247	0.088476562
White	2106-3	2009	2009	23153	164541687	14.071206162	13.889953764	14.25245856	0.092475713	12.434057278	12.273082879	12.595031677	0.082129795
White	2106-3	2010	2010	22697	165644483	13.702237219	13.523973351	13.880501086	0.090950953	12.011411952	11.854127514	12.168696391	0.080247163
White	2106-3	2011	2011	22856	167382563	13.654946842	13.477917208	13.831976476	0.090321242	11.776744955	11.622698098	11.930791814	0.078595336

White	2106-3	2012	2012	21562	168663175	12.784059117	12.613419322	12.954698912	0.08706112	10.912419587	10.765333685	11.05950549	0.075043828
White	2106-3	2013	2013	21741	169982244	12.790159424	12.620142454	12.960176394	0.086743352	10.789060752	10.644072587	10.934048919	0.073973554
White	2106-3	2014	2014	20496	171489057	11.951783023	11.788156306	12.115409739	0.083483019	10.007159163	9.868506667	10.145811659	0.070741069
White	2106-3	2015	2015	21442	173031552	12.391959589	12.226091281	12.557827897	0.084626688	10.246059505	10.107243199	10.384875812	0.070824646
White	2106-3	2016	2016	19836	174238249	11.384411927	11.225981124	11.54284273	0.080832042	9.327550506	9.196093583	9.459007428	0.067069858
White	2106-3	2017	2017	19890	175747095	11.317399016	11.16011474	11.474683292	0.08024708	9.18773423	9.058542502	9.316925957	0.065914146
White	2106-3	2018	2018	19958	176757620	11.291168098	11.134515921	11.447820275	0.07992458	9.021688871	8.895178436	9.148199305	0.06454614
White	2106-3	2019	2019	18594	177619677	10.468434756	10.31796424	10.618905271	0.076770671	8.315337581	8.19450467	8.436170492	0.061649444
White	2106-3	2020	2020	19580	178513471	10.968359917	10.814724473	11.121995361	0.078385431	8.662614815	8.539881172	8.785348458	0.062619205
White	2106-3	2021	2021	18437	177226927	10.403046711	10.252880752	10.553212669	0.076615285	8.595185713	8.469617183	8.720754243	0.064065577
White	2106-3	2022	2022	19525	177627950	10.992076416	10.837892068	11.146260764	0.078665484	8.638315704	8.515730309	8.760901099	0.062543569
White	2106-3	2023	2023	18856	178598830	10.557739936	10.407043755	10.708436117	0.076885807	8.363284463	8.242745173	8.483823752	0.061499637
Hispanic or Latino	2135-2	1999	1999	1961	17503631	11.203389742	10.707521016	11.699258469	0.252994248	27.001923722	25.771610785	28.232236659	0.627710682
Hispanic or Latino	2135-2	2000	2000	1848	18219679	10.142879027	9.680427376	10.605330677	0.23594472	24.57815819	23.428798604	25.727517775	0.586407952
Hispanic or Latino	2135-2	2001	2001	1938	19290018	10.046646924	9.599345454	10.493948393	0.228215035	23.876078258	22.78265197	24.969504545	0.557870555
Hispanic or Latino	2135-2	2002	2002	1931	20159630	9.578548813	9.15131595	10.005781675	0.21797595	22.861177514	21.810865566	23.911489461	0.535873443
Hispanic or Latino	2135-2	2003	2003	1892	21011656	9.004525869	8.598777899	9.410273839	0.20701427	20.956970039	19.980805201	21.933134878	0.498043285
Hispanic or Latino	2135-2	2004	2004	1795	21877214	8.204883858	7.82531001	8.584457706	0.193660127	18.820285273	17.920777417	19.719793129	0.45893258
Hispanic or Latino	2135-2	2005	2005	1919	22804023	8.41518183	8.038666999	8.791696661	0.192099404	19.021339748	18.144291377	19.898388119	0.447473659
Hispanic or Latino	2135-2	2006	2006	1726	23743864	7.269246488	6.926301018	7.612191959	0.174972179	15.97419699	15.197870547	16.750523432	0.39608492
Hispanic or Latino	2135-2	2007	2007	1685	24673919	6.829073241	6.502997951	7.155148531	0.166364944	14.821333507	14.092577198	15.550089815	0.371814443
Hispanic or Latino	2135-2	2008	2008	1607	25602850	6.276644983	5.969759957	6.583530009	0.156573993	13.247989156	12.580390493	13.915587819	0.340611563
Hispanic or Latino	2135-2	2009	2009	1592	26504021	6.006635748	5.711572012	6.301699483	0.150542722	12.123757807	11.509541613	12.737974002	0.313375609
Hispanic or Latino	2135-2	2010	2010	1475	27192663	5.424257271	5.147435438	5.701079105	0.141235629	10.876967398	10.305914205	11.448020591	0.29135367
Hispanic or Latino	2135-2	2011	2011	1632	28255675	5.775830873	5.49560356	6.056058186	0.142973119	11.107902195	10.555146218	11.660658171	0.282018355
Hispanic or Latino	2135-2	2012	2012	1670	28988437	5.760917707	5.484612221	6.037223192	0.140972187	10.701255707	10.17529541	11.227216005	0.268347091
Hispanic or Latino	2135-2	2013	2013	1708	29784174	5.734589114	5.462623221	6.006555008	0.138758109	10.168345685	9.674133829	10.662557542	0.252148906
Hispanic or Latino	2135-2	2014	2014	1624	30809714	5.271064834	5.014698249	5.527431418	0.130799278	8.985834742	8.536919603	9.434749881	0.229038336
Hispanic or Latino	2135-2	2015	2015	1731	31761872	5.449930659	5.193187717	5.706673601	0.130991297	9.064756869	8.626879616	9.502634121	0.223406761
Hispanic or Latino	2135-2	2016	2016	1708	32438262	5.265386906	5.015673173	5.51510064	0.127404966	8.392741458	7.983635867	8.80184705	0.208727343
Hispanic or Latino	2135-2	2017	2017	1778	33594503	5.292532531	5.046521983	5.53854308	0.125515586	8.309924314	7.913737742	8.706110886	0.202136006
Hispanic or Latino	2135-2	2018	2018	1854	34350362	5.397323033	5.15163748	5.643008585	0.125349772	8.266317724	7.88078898	8.651846467	0.196698339
Hispanic or Latino	2135-2	2019	2019	1751	35025850	4.999164902	4.765006115	5.23332369	0.119468769	7.469675138	7.111120369	7.828229908	0.182936107

Hispanic or Latino	2135-2	2020	2020	2316	35758193	6.47683735	6.213052539	6.740622161	0.134584087	9.195479794	8.810711039	9.580248549	0.196310589
Hispanic or Latino	2135-2	2021	2021	2032	36687942	5.538604482	5.297783362	5.779425602	0.122867919	7.932443876	7.575527444	8.289360308	0.18210022
Hispanic or Latino	2135-2	2022	2022	2086	37391420	5.578819954	5.339410517	5.818229391	0.122147672	7.82696913	7.481161726	8.172776534	0.176432349
Hispanic or Latino	2135-2	2023	2023	2040	38599156	5.285089653	5.055742504	5.514436803	0.117013852	7.514014077	7.178052361	7.849975794	0.171409039

Annual series (1999–2023): by sex

Includes deaths, population, crude rate, and age-adjusted rate with confidence intervals/SE.

Sex	Sex Code	Year	Year Code	Deaths	Population	Crude Rate	Crude Rate Lower 95% Confidence Interval	Crude Rate Upper 95% Confidence Interval	Crude Rate Standard Error	Age Adjusted Rate	Age Adjusted Rate Lower 95% Confidence Interval	Age Adjusted Rate Upper 95% Confidence Interval	Age Adjusted Rate Standard Error
Female	F	1999	1999	28478	94123092	30.256124608	29.904714193	30.607535022	0.179291028	24.974290832	24.682915771	25.265665893	0.148660745
Female	F	2000	2000	25868	94864102	27.26848139	26.936177369	27.600785412	0.169542868	22.392169617	22.117936921	22.666402313	0.139914641
Female	F	2001	2001	25084	95984408	26.133411168	25.810000921	26.456821416	0.165005228	21.496894515	21.229464126	21.764324903	0.136444076
Female	F	2002	2002	24362	96927703	25.134197186	24.81857711	25.449817262	0.161030651	20.685041774	20.423927718	20.94615583	0.133221457
Female	F	2003	2003	23214	97893297	23.713574587	23.408519617	24.018629558	0.155640291	19.452144138	19.200473744	19.703814533	0.128403262
Female	F	2004	2004	21096	98921524	21.325995746	21.038212616	21.613778875	0.146828127	17.526138396	17.288207449	17.764069342	0.12139334
Female	F	2005	2005	21064	100097839	21.043411337	20.759225917	21.327596757	0.144992561	17.18715971	16.953402812	17.420916608	0.119263723
Female	F	2006	2006	17666	101328442	17.434394185	17.177299073	17.691489297	0.1311170975	14.226807186	14.015179293	14.438435079	0.107973415
Female	F	2007	2007	16368	102513830	15.966626162	15.722017732	16.211234592	0.124800219	12.922720953	12.722736278	13.122705628	0.102032998
Female	F	2008	2008	15697	103688156	15.13866251	14.90183331	15.375491711	0.120831225	12.152859037	11.960512847	12.345205228	0.098135812
Female	F	2009	2009	13893	104834186	13.25235644	13.031987105	13.472725776	0.112433334	10.596716368	10.418216475	10.775216262	0.091071374
Female	F	2010	2010	13432	105717426	12.705568522	12.490696519	12.920440525	0.109628573	10.090550365	9.917299659	10.26380107	0.088393217
Female	F	2011	2011	13633	107004480	12.740588058	12.526718078	12.954458037	0.109117336	9.96944091	9.79922119	10.13966063	0.086846796
Female	F	2012	2012	12696	108088829	11.745894666	11.541575684	11.950213648	0.104244379	9.144568278	8.982439031	9.306697526	0.082719004
Female	F	2013	2013	12801	109127282	11.72545003	11.522324906	11.928575154	0.103635267	9.061636686	8.901519403	9.221753968	0.081692491
Female	F	2014	2014	11893	110581619	10.75495196	10.561657754	10.948246166	0.098619493	8.314859336	8.162548997	8.467169675	0.077709357
Female	F	2015	2015	12498	111947362	11.164175535	10.968443249	11.35990782	0.099863411	8.556541211	8.403356122	8.709726299	0.078155658
Female	F	2016	2016	11447	112990913	10.130903182	9.945311548	10.316494815	0.094689609	7.734646624	7.590069229	7.879224019	0.073763977
Female	F	2017	2017	11326	114358026	9.903983477	9.721582274	10.086384681	0.093061839	7.543934092	7.402274942	7.685593242	0.072275077
Female	F	2018	2018	11212	115265998	9.727066259	9.547014902	9.907117617	0.091862938	7.308989228	7.17147844	7.446500016	0.070158565
Female	F	2019	2019	10528	116084432	9.069260898	8.896018164	9.242503632	0.08838915	6.815023871	6.682616047	6.947431696	0.067555012
Female	F	2020	2020	10937	116909132	9.355128905	9.179798699	9.53045911	0.089454186	6.991427982	6.858450754	7.12440521	0.067845525
Female	F	2021	2021	10180	116838617	8.712872731	8.543616934	8.882128528	0.086354999	6.924105975	6.787564086	7.060647864	0.069664229
Female	F	2022	2022	10788	117317971	9.195522142	9.021997165	9.36904712	0.088533152	6.829484221	6.69888202	6.960086422	0.066633776
Female	F	2023	2023	10493	118635845	8.844712996	8.675478076	9.013947915	0.086344347	6.72813641	6.598144813	6.858128008	0.066322244
Male	M	1999	1999	23367	86285677	27.080971967	26.733740688	27.428203246	0.177158816	37.213822931	36.726495626	37.701150236	0.24863638
Male	M	2000	2000	22142	87120538	25.415361875	25.080593868	25.750129881	0.170800003	34.674754953	34.2090673	35.140442605	0.237595741
Male	M	2001	2001	20852	88320720	23.609408981	23.288953777	23.929864185	0.163497553	31.846273948	31.405810206	32.28673769	0.224726399
Male	M	2002	2002	20740	89280325	23.230202175	22.914043804	23.546360546	0.161305291	31.118468051	30.687034538	31.549901564	0.220119139
Male	M	2003	2003	20093	90197132	22.276761527	21.968736691	22.584786363	0.157155529	29.405629512	28.991984131	29.819274894	0.211043562
Male	M	2004	2004	18471	91283860	20.234683327	19.942868551	20.526498104	0.14888509	26.379600034	25.992841278	26.766358791	0.197325896
Male	M	2005	2005	18459	92453545	19.965702775	19.677673529	20.253732022	0.146953697	25.67268184	25.296822139	26.048541541	0.191765154
Male	M	2006	2006	15987	93690917	17.06355377	16.799043786	17.328063754	0.134954073	21.42434793	21.088019631	21.76067623	0.171596071
Male	M	2007	2007	15487	94889947	16.321012383	16.063961253	16.578063512	0.131148535	20.172580656	19.851095703	20.494065609	0.164022935
Male	M	2008	2008	14112	96106934	14.68364395	14.441376185	14.925911715	0.123606003	17.86642658	17.568272471	18.164580689	0.152119444
Male	M	2009	2009	12963	97272830	13.326434524	13.097021917	13.555847132	0.117047249	15.959592544	15.681813906	16.237371183	0.141723795
Male	M	2010	2010	12690	98174557	12.925959598	12.701056747	13.15085169	0.114744496	15.289149546	15.020165259	15.558133832	0.137236881
Male	M	2011	2011	12779	99588456	12.831808538	12.609326217	13.054290859	0.113511388	14.758777302	14.500055534	15.017499071	0.132000902
Male	M	2012	2012	12257	100737208	12.167301679	11.951895451	12.382707906	0.109901136	13.754851879	13.508575488	14.001128269	0.12565122
Male	M	2013	2013	12510	101912532	12.275232255	12.060123972	12.490340538	0.109749124	13.565166981	13.324613807	13.805720154	0.122731211
Male	M	2014	2014	11925	103227661	11.552136205	11.3447933	11.75947911	0.105787196	12.511449929	12.2840118	12.738888059	0.116039862
Male	M	2015	2015	12424	104606455	11.876896125	11.668049092	12.085743157	0.106554608	12.694071359	12.46794612	12.920196598	0.11537002
Male	M	2016	2016	11857	105650504	11.222852283	11.02084273	11.424861836	0.103066099	11.736200311	11.52191646	11.950484162	0.109328495
Male	M	2017	2017	12024	107089305	11.228011985	11.027317954	11.428706016	0.102394914	11.606799268	11.396458535	11.817140001	0.107316701
Male	M	2018	2018	12408	108045192	11.484083438	11.282013588	11.686153288	0.103096862	11.589070385	11.38234446	11.79579631	0.105472411

Male	M	2019	2019	11630	108896735	10.679842697	10.485740223	10.87394517	0.099031874	10.55593827	10.361387814	10.750488726	0.099260437
Male	M	2020	2020	13119	109725881	11.956158274	11.751562169	12.160754379	0.104385768	11.517671021	11.317584682	11.717757359	0.102084867
Male	M	2021	2021	12461	111399795	11.185837461	10.989434456	11.382240465	0.100205615	11.198540812	10.997326384	11.399755239	0.102660422
Male	M	2022	2022	13003	112190628	11.590094673	11.390880023	11.789309324	0.101640128	11.30328074	11.105352189	11.501209291	0.100983955
Male	M	2023	2023	12451	112893917	11.028937901	10.835212019	11.222663783	0.098839736	10.694343976	10.502812224	10.885875729	0.097720282

State summary (1999–2020; year range implied by export filename)

State	State Code	Deaths	Population	Crude Rate	Crude Rate Lower 95% Confidence Interval	Crude Rate Upper 95% Confidence Interval	Crude Rate Standard Error	Age Adjusted Rate	Age Adjusted Rate Lower 95% Confidence Interval	Age Adjusted Rate Upper 95% Confidence Interval	Age Adjusted Rate Standard Error	% of Total Deaths
Alabama	1.0	11967.0	68915349.0	17.36478183	17.05365837	17.67590529	0.158736458	16.44151983	16.14571861	16.73732104	0.150918986	1.70%
Alaska	2.0	585.0	9623822.0	6.078666044	5.5860751	6.571256987	0.25132191	10.63952251	9.74270401	11.536341	0.457560457	0.08%
Arizona	4.0	9077.0	90089006.0	10.07559124	9.868312177	10.28287031	0.105754626	9.220575184	9.030227363	9.410923005	0.097116235	1.29%
Arkansas	5.0	8585.0	41711420.0	20.5818934	20.14651062	21.01727618	0.22213407	18.30754029	17.91895746	18.69612313	0.19825655	1.22%
California	6.0	97227.0	530625638.0	18.32308751	18.2079117	18.43826332	0.05876317	18.91091519	18.79150451	19.03032587	0.060923817	13.82%
Colorado	8.0	6153.0	73189174.0	8.406981065	8.196916556	8.617045574	0.10717577	9.727573283	9.482922849	9.972223718	0.12482165	0.87%
Connecticut	9.0	9285.0	53012824.0	17.51463005	17.15837085	17.87088924	0.181764897	14.19092192	13.89900697	14.48283688	0.148936203	1.32%
Delaware	10.0	2191.0	13210778.0	16.58494299	15.89048039	17.2794056	0.354317656	15.26624854	14.62451397	15.90798311	0.327415597	0.31%
District of Columbia	11.0	1530.0	9448827.0	16.19248612	15.38110688	17.00386535	0.413968998	17.83905179	16.9389343	18.73916929	0.45924362	0.22%
Florida	12.0	38564.0	289701852.0	13.31161666	13.17875618	13.44447715	0.067785962	10.06120985	9.96017144	10.16224826	0.051550208	5.48%
Georgia	13.0	14601.0	135415629.0	10.78235955	10.60746407	10.95725502	0.089232387	12.77272144	12.56353199	12.98191089	0.106729312	2.08%
Hawaii	15.0	2990.0	20066183.0	14.90069138	14.36658607	15.43479669	0.27250271	12.40972909	11.96047127	12.85898691	0.229213175	0.43%
Idaho	16.0	2558.0	21392071.0	11.95770152	11.49430421	12.42109884	0.2364272	11.61737106	11.16558332	12.06915879	0.230503948	0.36%
Illinois	17.0	29875.0	184489320.0	16.1933493	16.00972134	16.37697725	0.093687732	15.2215538	15.04810579	15.39500181	0.088493882	4.25%
Indiana	18.0	15175.0	92386904.0	16.42548818	16.1641457	16.66883066	0.133338	15.34253542	15.09751869	15.58755215	0.125008536	2.16%
Iowa	19.0	7402.0	44030204.0	16.81118716	16.42820379	17.19417053	0.195399678	12.65085106	12.35904202	12.94266011	0.148882165	1.05%
Kansas	20.0	6590.0	39931570.0	16.50323291	16.10477505	16.90169076	0.203294824	13.69536218	13.36177738	14.02894698	0.170196326	0.94%
Kentucky	21.0	12696.0	63061451.0	20.13274322	19.78253562	20.48295082	0.178677348	19.71425942	19.37004625	20.0584726	0.175618968	1.80%
Louisiana	22.0	8912.0	64895449.0	13.73285822	13.44773708	14.01797936	0.145469969	13.94430994	13.65351802	14.23510187	0.148363228	1.27%
Maine	23.0	3210.0	20521512.0	15.64212228	15.10099524	16.18324931	0.276085222	12.89776085	12.44980442	13.34571729	0.228549202	0.46%
Maryland	24.0	14005.0	84902583.0	16.49537565	16.22217815	16.76857315	0.139386481	16.71311156	16.43489753	16.99132559	0.141945934	1.99%
Massachusetts	25.0	17930.0	99096796.0	18.0934205	17.82857865	18.35826234	0.13512339	15.46084159	15.2326996	15.68898357	0.116398973	2.55%
Michigan	26.0	24835.0	145550610.0	17.06279349	16.85057944	17.27500753	0.108272472	15.4531792	15.26020698	15.64615142	0.098455213	3.53%
Minnesota	27.0	10843.0	77002440.0	14.08137197	13.81632288	14.34642105	0.135229126	12.45083767	12.21443809	12.68723724	0.12061203	1.54%
Mississippi	28.0	8105.0	41496865.0	19.53159594	19.10637241	19.95681948	0.216950783	18.92347224	18.50981943	19.33712504	0.21104735	1.15%
Missouri	29.0	15018.0	86518061.0	17.35822535	17.08060242	17.63584829	0.146474355	15.22615312	14.98166162	15.47064462	0.12474056	2.13%
Montana	30.0	1897.0	14577633.0	13.01308656	12.42748432	13.59868879	0.29877665	11.14105266	10.63677313	11.64533218	0.257285472	0.27%
Nebraska	31.0	4507.0	25869503.0	17.42205871	16.91341724	17.93070018	0.259510954	14.31784462	13.89579603	14.73989321	0.215330913	0.64%
Nevada	32.0	3761.0	38580189.0	9.748526634	9.43696542	10.06008785	0.158959803	11.02020979	10.66172465	11.37869493	0.182900582	0.53%
New Hampshire	33.0	2797.0	19856602.0	14.08599518	13.56396288	14.60802748	0.266343009	13.15384067	12.66341474	13.6442666	0.250217312	0.40%
New Jersey	34.0	20235.0	130947870.0	15.45271412	15.23979766	15.66563058	0.108630847	13.88315017	13.69089427	14.07540607	0.098089744	2.88%
New Mexico	35.0	3839.0	28568524.0	13.43786609	13.01277958	13.86295261	0.216880873	12.8217579	12.41455181	13.22896398	0.207758206	0.55%
New York	36.0	45816.0	288624005.0	15.87393952	15.72858378	16.01929527	0.074161095	14.18050289	14.04983655	14.31116923	0.066666501	6.51%
North Carolina	37.0	22072.0	137233223.0	16.08356892	15.87138247	16.29575537	0.108258394	16.12678879	15.91312422	16.34045336	0.109012535	3.14%
North Dakota	38.0	1944.0	9822062.0	19.79217806	18.91234246	20.67201366	0.448895714	14.91691183	14.24201279	15.59181087	0.344336244	0.28%
Ohio	39.0	33328.0	169651360.0	19.6449943	19.4340813	19.8559073	0.107608674	17.29444837	17.10806552	17.48083123	0.095093293	4.74%
Oklahoma	40.0	11623.0	53110132.0	21.88471307	21.48684617	22.28257997	0.202993316	20.30251886	19.93226466	20.67277306	0.188905203	1.65%
Oregon	41.0	6816.0	57214641.0	11.91303464	11.63021231	12.19585696	0.144297103	10.74077204	10.48436134	10.99718274	0.130821785	0.97%
Pennsylvania	42.0	32420.0	189975429.0	17.06536481	16.87959927	17.25113034	0.094778334	13.29204548	13.14641962	13.43767134	0.074298908	4.61%
Rhode Island	44.0	3618.0	15765032.0	22.94952525	22.20170797	23.69734253	0.381539428	17.99528485	17.40100589	18.58956381	0.303203551	0.51%
South Carolina	45.0	10602.0	67227226.0	15.77039636	15.47020044	16.07059227	0.153161182	15.55111577	15.25299369	15.84923784	0.152103099	1.51%
South Dakota	46.0	2148.0	11603220.0	18.51210268	17.7292236	19.29498175	0.399428098	14.23569386	13.62578908	14.84559863	0.311175906	0.31%
Tennessee	47.0	16937.0	92689763.0	18.2727838	17.99758753	18.54798007	0.14040626	18.06872288	17.79536621	18.34207956	0.139467692	2.41%
Texas	48.0	46260.0	344632461.0	13.42299558	13.3006741	13.54531705	0.062408915	15.65171791	15.50825253	15.79518328	0.07319662	6.58%
Utah	49.0	3678.0	34057911.0	10.79925307	10.45023821	11.14826794	0.17806881	13.07222342	12.64811527	13.49633157	0.216381711	0.52%
Vermont	50.0	1705.0	9393709.0	18.15044515	17.28889382	19.01199649	0.439567009	15.85301258	15.09610742	16.60991774	0.386176101	0.24%

Virginia	51.0	14027.0	116579933.0	12.03208789	11.83296799	12.23120779	0.101591786	12.66232845	12.45186344	12.87279346	0.107380107	1.99%
Washington	53.0	13903.0	98931323.0	14.05318314	13.81958116	14.28678511	0.119184683	14.12931058	13.89316624	14.36545492	0.120481805	1.98%
West Virginia	54.0	7103.0	28023276.0	25.34678672	24.75732165	25.93625179	0.300747484	21.48054204	20.97914734	21.98193674	0.255813622	1.01%
Wisconsin	55.0	11606.0	82712057.0	14.03181159	13.77652469	14.28709849	0.130248419	12.07616858	11.85508321	12.29725394	0.112798655	1.65%
Wyoming	56.0	938.0	7921067.0	11.84183899	11.08400548	12.59967249	0.386649749	11.87344032	11.10999404	12.6368866	0.389513407	0.13%

Age-group summary (1999–2020; ten-year age groups; crude rates)

Notes	Ten-Year Age Groups	Ten-Year Age Groups Code	Deaths	Population	Crude Rate	Crude Rate Lower 95% Confidence Interval	Crude Rate Upper 95% Confidence Interval	Crude Rate Standard Error	% of Total Deaths
	15-24 years	15-24	696.0	935794722.0	0.1	0.1	0.1	0.0	0.1%
	25-34 years	25-34	1988.0	920089469.0	0.2	0.2	0.2	0.0	0.3%
	35-44 years	35-44	5493.0	931287288.0	0.6	0.6	0.6	0.0	0.8%
	45-54 years	45-54	16121.0	927576220.0	1.7	1.7	1.8	0.0	2.3%
	55-64 years	55-64	39205.0	766424847.0	5.1	5.1	5.2	0.0	5.6%
	65-74 years	65-74	90084.0	510458341.0	17.6	17.5	17.8	0.1	12.8%
	75-84 years	75-84	216833.0	298504433.0	72.6	72.3	72.9	0.2	30.9%
	85+ years	85+	332093.0	119513891.0	277.9	276.9	278.8	0.5	47.3%
Total			702513.0	5409649211.0	13.0	13.0	13.0	0.0	100.0%

Dataset: Multiple Cause of Death, 1999-2020									
Query Parameters:									
Hispanic Origin: Hispanic or Latino; Not Hispanic or Latino									
MCD - ICD-10 Codes: J09-J18 (Influenza and pneumonia)									
Ten-Year Age Groups: 15-24 years; 25-34 years; 35-44 years; 45-54 years; 55-64 years; 65-74 years; 75-84 years; 85+ years									
UCD - ICD-10 Codes: I00-I99 (Diseases of the circulatory system)									
Group By: Ten-Year Age Groups									
Show Totals: True									
Show Zero Values: False									
Show Suppressed: False									
Calculate Rates Per: 100,000									
Rate Options: Default intercensal populations for years 2001-2009 (except Infant Age Groups)									

Help: See http://wonder.cdc.gov/wonder/help/mcd.html for more information.									

Query Date: Oct 21, 2025 2:29:46 AM									

Suggested Citation: Centers for Disease Control and Prevention, National Center for Health Statistics. National Vital Statistics System, Mortality 1999-2020 on CDC WONDER Online Database, released in 2021. Data are from the Multiple Cause of Death Files, 1999-2020, as compiled from data provided by the 57 vital statistics jurisdictions through the Vital Statistics Cooperative Program. Accessed at http://wonder.cdc.gov/mcd-icd10.html on Oct 21, 2025 2:29:46 AM									

Caveats:									
1. As of April 3, 2017, the underlying cause of death has been revised for 125 deaths in 2014. More information:									
http://wonder.cdc.gov/wonder/help/mcd.html#2014-Revision .									
2. Circumstances in Georgia for the years 2008 and 2009 have resulted in unusually high death counts for the ICD-10 cause of death code R99, "Other ill-defined and unspecified causes of mortality." Caution should be used in interpreting these data.									
More information:									
http://wonder.cdc.gov/wonder/help/mcd.html#Georgia-Reporting-Anomalies .									
3. Circumstances in New Jersey for the year 2009 have resulted in unusually high death counts for the ICD-10 cause of death code R99, "Other ill-defined and unspecified causes of mortality" and therefore unusually low death counts in other ICD-10 codes, most notably R95, "Sudden Infant Death Syndrome" and X40-X49, "Unintentional poisoning." Caution should be used in interpreting these data. More information:									
http://wonder.cdc.gov/wonder/help/mcd.html#New-Jersey-Reporting-Anomalies .									
4. Circumstances in California resulted in unusually high death counts for the ICD-10 cause of death code R99, "Other ill-defined and unspecified causes of mortality" for deaths occurring in years 2000 and 2001. Caution should be used in interpreting these data. More information:									
http://wonder.cdc.gov/wonder/help/mcd.html#California-Reporting-Anomalies .									
5. Deaths of persons with Age "Not Stated" are included in "All" counts and rates, but are not distributed among age groups, so are not included in age-specific counts, age-specific rates or in any age-adjusted rates. More information:									
http://wonder.cdc.gov/wonder/help/mcd.html#Not Stated .									
6. Deaths of persons with Hispanic origin "Not Stated" are included in "All" counts and rates, but are not distributed among Hispanic Origin groups, so are not included in the Hispanic Origin specific counts and rates. More information:									
http://wonder.cdc.gov/wonder/help/mcd.html#Not Stated .									
7. Information included on the death certificate about the race and Hispanic ethnicity of the decedent is reported by the funeral director as provided by an informant, often the surviving next of kin, or, in the absence of an informant, on the basis of observation. Race and ethnicity information from the census is by self-report. To the extent that race and Hispanic origin are inconsistent between these two data sources, death rates will be biased. More information:									
http://wonder.cdc.gov/wonder/help/mcd.html#Racial Differences .									
8. The method used to calculate 95% confidence intervals is documented here: More information:									
http://wonder.cdc.gov/wonder/help/mcd.html#Confidence-Intervals .									
9. The method used to calculate standard errors is documented here: More information:									
http://wonder.cdc.gov/wonder/help/mcd.html#Standard-Errors .									

10. The population figures for year 2020 are bridged-race estimates of the July 1 resident population, from the Vintage 2020									
postcensal series released by NCHS on September 22, 2021. The population figures for year 2019 are bridged-race estimates of the									
July 1 resident population, from the Vintage 2019 postcensal series released by NCHS on July 9, 2020. The population figures for									
year 2018 are bridged-race estimates of the July 1 resident population, from the Vintage 2018 postcensal series released by									
NCHS									
on June 25, 2019. The population figures for year 2017 are bridged-race estimates of the July 1 resident population, from the									
Vintage 2017 postcensal series released by NCHS on June 27, 2018. The population figures for year 2016 are bridged-race									
estimates of the July 1 resident population, from the Vintage 2016 postcensal series released by NCHS on June 26, 2017. The									
population figures for year 2015 are bridged-race estimates of the July 1 resident population, from the Vintage 2015 postcensal									
series released by NCHS on June 28, 2016. The population figures for year 2014 are bridged-race estimates of the July 1 resident									
population, from the Vintage 2014 postcensal series released by NCHS on June 30, 2015. The population figures for year 2013 are									
bridged-race estimates of the July 1 resident population, from the Vintage 2013 postcensal series released by NCHS on June 26,									
2014. The population figures for year 2012 are bridged-race estimates of the July 1 resident population, from the Vintage 2012									
postcensal series released by NCHS on June 13, 2013. Population figures for 2011 are bridged-race estimates of the July 1									
resident population, from the county-level postcensal Vintage 2011 series released by NCHS on July 18, 2012. Population figures									
for 2010 are April 1 Census counts. The population figures for years 2001 - 2009, are bridged-race estimates of the July 1									
resident population, from the revised intercensal county-level 2000 - 2009 series released by NCHS on October 26, 2012.									
Population figures for 2000 are April 1 Census counts. Population figures for 1999 are from the 1990-1999 intercensal series of									
July 1 estimates. Population figures for Infant Age Groups are the number of live births. Note: Rates and population									
figures for years 2001 - 2009 differ slightly from previously published reports, due to use of the population estimates which									
were available at the time of release.									

Urbanization summary (1999–2020; 2013 urbanization; crude + age-adjusted rates)

Notes	2013 Urbanization	2013 Urbanization Code	Deaths	Population	Crude Rate	Crude Rate Lower 95% Confidence Interval	Crude Rate Upper 95% Confidence Interval	Crude Rate Standard Error	Age Adjusted Rate	Age Adjusted Rate Lower 95% Confidence Interval	Age Adjusted Rate Upper 95% Confidence Interval	Age Adjusted Rate Standard Error	% of Total Deaths
	Large Central Metro	1.0	196023.0	2062793811.0	9.5	9.5	9.5	0.0	9.7	9.7	9.8	0.0	27.9%
	Large Fringe Metro	2.0	152245.0	1656163210.0	9.2	9.1	9.2	0.0	8.8	8.7	8.8	0.0	21.6%
	Medium Metro	3.0	139708.0	1400493780.0	10.0	9.9	10.0	0.0	8.9	8.9	9.0	0.0	19.9%
	Small Metro	4.0	67706.0	620024848.0	10.9	10.8	11.0	0.0	9.3	9.2	9.4	0.0	9.6%
	Micropolitan (Nonmetro)	5.0	79358.0	590134630.0	13.4	13.4	13.5	0.0	10.9	10.8	11.0	0.0	11.3%
	NonCore (Nonmetro)	6.0	68298.0	416737022.0	16.4	16.3	16.5	0.1	11.8	11.7	11.9	0.0	9.7%
Total			703338.0	6746347301.0	10.4	10.4	10.4	0.0	9.5	9.5	9.6	0.0	100.0%

Dataset: Multiple Cause of Death, 1999-2020													
Query Parameters:													
Hispanic Origin: Hispanic or Latino; Not Hispanic or Latino													
MCD - ICD-10 Codes: J09-J18 (Influenza and pneumonia)													
UCD - ICD-10 Codes: I00-I99 (Diseases of the circulatory system)													
Group By: 2013 Urbanization													
Show Totals: True													
Show Zero Values: False													
Show Suppressed: False													
Standard Population: 2000 U.S. Std. Population													
Calculate Rates Per: 100,000													
Rate Options: Default intercensal populations for years 2001-2009 (except Infant Age Groups)													

Help: See http://wonder.cdc.gov/wonder/help/mcd.html for more information.													

Query Date: Oct 21, 2025 2:18:28 AM													

Urbanization AAMR-only summary

Notes	2013 Urbanization	Age Adjusted Rate
	Large Central Metro	9.7
	Large Fringe Metro	8.8
	Medium Metro	8.9
	Small Metro	9.3
	Micropolitan (Nonmetro)	10.9
	NonCore (Nonmetro)	11.8

Age grouped chart table

Notes	Ten-Year Age Groups	Crude Rate
	15-24 years	0.1
	25-34 years	0.2
	35-44 years	0.6
	45-54 years	1.7
	55-64 years	5.1
	65-74 years	17.7
	75-84 years	72.8
	85+ years	278.4
Total		13.0

Combined table (multiple characteristics)

Characteristic	Category	Deaths	% of Total Deaths	#/100,000
Ten-Year Age Groups	15-24 years	696	0.001	0.1
	25-34 years	1988	0.003	0.2
	35-44 years	5493	0.008	0.6
	45-54 years	16121	0.023	1.7
	55-64 years	39205	0.056	5.1
	65-74 years	90084	0.128	17.6
	75-84 years	216833	0.309	72.6
	85+ years	332093	0.473	277.9
Sex	Female	365859	0.519	8.1
	Male	339161	0.481	11.8
Race	American Indian or Alaska Native	3273	0.005	7.3
	Asian or Pacific Islander	19078	0.027	7.4
	Black or African American	69456	0.099	10.7
	White	613213	0.87	9.5
Hispanic Origin	Hispanic or Latino	39443	0.056	8.0
	Not Hispanic or Latino	663895	0.944	9.7
Urbanization	Large Central Metro	196023	0.279	9.7
	Large Fringe Metro	152245	0.216	8.8
	Medium Metro	139708	0.199	8.9
	Small Metro	67706	0.096	9.3
	Micropolitan (Nonmetro)	79358	0.113	10.9
	NonCore (Nonmetro)	68298	0.097	11.8
Place of Death	Medical Facility - Inpatient	419243	0.596	
	Medical Facility - Outpatient or ER	22431	0.032	
	Medical Facility - Dead on Arrival	1478	0.002	
	Medical Facility - Status unknown	974	0.001	
	Decedent's home	50187	0.071	
	Hospice facility	16649	0.024	
	Nursing home/long term care	177711	0.253	
	Other	13087	0.019	
	Place of death unknown	1578	0.002	

Joinpoint regression outputs

Overall: estimated joinpoints

Joinpoint	Estimate	Lower CI	Upper CI
1	2005	2001	2007
2	2009	2007	2011
3	2019	2012	2021

Overall: APC by segment

Segment	Lower Endpoint	Upper Endpoint	APC	Lower CI	Upper CI	P-value	Significant
1	1999	2005	-6.1768	-6.969	-5.3779	<0.000001	Yes
2	2005	2009	-10.8355	-13.479	-8.1113	<0.000001	Yes
3	2009	2019	-3.7227	-4.3229	-3.1187	<0.000001	Yes
4	2019	2023	0.1037	-2.1018	2.3589	0.921917	No

Overall: AAPC (full range)

Range	Lower Endpoint	Upper Endpoint	AAPC	Lower CI	Upper CI	P-value	Significant
Full Range	1999	2023	-4.9425	-5.5562	-4.3249	<0.000001	Yes

Sex-stratified: estimated joinpoints

Cohort	Joinpoint	Estimate	Lower CI	Upper CI
Female	1	2005	2001	2006
Female	2	2009	2007	2011
Female	3	2019	2012	2021
Male	1	2005	2001	2007
Male	2	2009	2007	2012
Male	3	2017	2012	2021

Sex-stratified: APC by segment

Cohort	Segment	Lower Endpoint	Upper Endpoint	APC	Lower CI	Upper CI	P-value	Significant
Female	1	1999	2005	-6.2696	-7.1303	-5.4008	<0.000001	Yes
Female	2	2005	2009	-10.8024	-13.7228	-7.783	0.000004	Yes
Female	3	2009	2019	-4.0997	-4.7802	-3.4144	<0.000001	Yes
Female	4	2019	2023	-0.6356	-3.2174	2.0151	0.611561	No
Male	1	1999	2005	-6.261	-7.3699	-5.1389	<0.000001	Yes
Male	2	2005	2009	-10.9231	-14.52	-7.1748	0.000032	Yes
Male	3	2009	2017	-4.0037	-5.163	-2.8301	0.000004	Yes
Male	4	2017	2023	-0.6993	-2.2164	0.8413	0.344815	No

Sex-stratified: AAPC (full range)

Cohort	Lower Endpoint	Upper Endpoint	AAPC	Lower CI	Upper CI	P-value
Female	1999	2023	-5.2326	-5.9237	-4.5364	<0.000001
Male	1999	2023	-4.9547	-5.7626	-4.1399	<0.000001

Race-stratified: estimated joinpoints

Cohort	Joinpoint	Estimate	Lower CI	Upper CI
Asian or Pacific Islander	1	2015	2013	2018
Black or African American	1	2003	2001	2012
Black or African American	2	2010	2004	2015
Black or African American	3	2018	2007	2018
Black or African American	4	2021	2013	2021
White	1	2005	2002	2006
White	2	2009	2007	2011
White	3	2019	2013	2021
Hispanic or Latino	1	2014	2010	2016

Race-stratified: APC by segment

Cohort	Segment	Lower Endpoint	Upper Endpoint	APC	Lower CI	Upper CI	P-value	Significant
American Indian or Alaska Native	1	1999	2023	-5.4239	-6.1729	-4.6689	<0.000001	Yes
Asian or Pacific Islander	1	1999	2015	-7.5394	-8.0984	-6.9769	<0.000001	Yes
Asian or Pacific Islander	2	2015	2023	-3.0048	-4.6415	-1.34	0.001293	Yes
Black or African American	1	1999	2003	-4.8397	-6.9416	-2.6902	0.000481	Yes
Black or African American	2	2003	2010	-8.815	-10.0941	-7.5176	0.000001	Yes
Black or African American	3	2010	2018	-4.1504	-5.3527	-2.9328	0.000014	Yes
Black or African American	4	2018	2021	6.5232	-2.5162	16.4008	0.145071	No
Black or African American	5	2021	2023	-6.3863	-14.2077	2.148	0.124139	No
White	1	1999	2005	-6.2003	-6.9878	-5.4062	<0.000001	Yes
White	2	2005	2009	-10.922	-13.5697	-8.1932	0.000001	Yes
White	3	2009	2019	-3.6825	-4.2897	-3.0716	<0.000001	Yes
White	4	2019	2023	-0.0656	-2.3434	2.2653	0.952155	No
Hispanic or Latino	1	1999	2014	-7.2469	-7.9054	-6.5836	<0.000001	Yes
Hispanic or Latino	2	2014	2023	-1.5302	-2.9897	-0.0488	0.043600	Yes

Race-stratified: AAPC (full range)

Cohort	Lower Endpoint	Upper Endpoint	AAPC	Lower CI	Upper CI	P-value
American Indian or Alaska Native	1999	2023	-5.4239	-6.1729	-4.6689	<0.000001
Asian or Pacific Islander	1999	2023	-6.0519	-6.6648	-5.435	<0.000001
Black or African American	1999	2023	-4.583	-5.847	-3.302	<0.000001
White	1999	2023	-4.9742	-5.595	-4.3493	<0.000001
Hispanic or Latino	1999	2023	-5.1431	-5.7786	-4.5033	<0.000001

WONDER query/export or screenshot of all settings:

- Dataset: (Multiple Cause of Death, 1999-2020 and 2018-2023)
- Underlying cause / multiple cause codes used
- Grouping variables (Year, Race, Sex, etc.)
- Filters (age ranges, geography, urbanization, etc.)
- Output options (crude vs age-adjusted rates, standard population)
- Export date/time and any suppression rules



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WONDER online databases utilize a rich ad-hoc query system for the analysis of public health data. Reports and other query systems are also available.

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Current Final Multiple Cause of Death Data

- 2018 - 2024:** by Single race categories (6 groups, 15 groups, or 31 groups), age groups (single year age cohorts, 5-year age groups, 10-year age groups, or infant age groups), sex, ethnicity, state, county, underlying cause of death and multiple cause of death (specified in ICD-10 codes, 113 selected causes, 130 selected cause for infants, injury causes, drug / alcohol induced causes), urbanization, year and month of death, weekday of death, place of death, and autopsy status.
[Data Request](#) [More information](#)
- 1999 - 2020:** By Bridged race categories (4 groups), age groups (single year age cohorts, 5-year age groups, 10-year age groups, or infant age groups), sex, ethnicity, state, county, underlying cause of death and multiple cause of death (specified in ICD-10 codes, 113 selected causes, 130 selected cause for infants, injury causes, drug / alcohol induced causes), urbanization, year and month of death, weekday of death, place of death, and autopsy status.
[Data Request](#) [More information](#)

Archive Final Multiple Cause of Death Data

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*Make all desired selections and then click any **Send** button one time to send your request.*

1. Organize table layout: [Send](#) [Help](#)

Group Results By Sex **Notes:**

And By Year • Group Results By "15 Leading Causes" to see the top 15 rankable causes selected from the corresponding 113 or 130 Cause List. [More information.](#)

And By None

And By None

And By None

Measures (Default measures always checked and included. Check box to include any others.)

Deaths **Population** **Crude Rate**

For crude rates: **95% Confidence Interval** **Standard Error**

Age Adjusted Rate **95% Confidence Interval** **Standard Error**

Percent of Total Deaths

Title

[+](#) **Additional Rate Options** *Click '+' for non-standard age adjusted rates and other options.* [Help](#)

2. Select location: [Send](#) [Help](#)

Click a button to choose locations by State, Census Region or HHS Region.

[States](#) [Census Regions](#) [HHS Regions](#)

Browse or search to find items in the States Finder Tool, then **highlight** the items to use for this request.
(The *Currently selected* box displays all current request items.)

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Browse [Search](#) [Details](#)

States *Currently selected:*

All* (The United States) All* (The United States)

+ 01 (Alabama)

Joinpoint configuration/settings (exact settings used):

The Joinpoint regression analyses were conducted using the Joinpoint Regression Program (National Cancer Institute), Version 5.2.0, running on Windows 11 (64-bit).

The following configuration settings were used:

- **Dependent variable:** Age-adjusted mortality rate (AAMR) per 100,000 population
- **Transformation:** Log transformation of rates
- **Independent variable:** Calendar year (1999–2023)

Model settings

- **Maximum number of joinpoints:** 4
- **Minimum observations between joinpoints:** Default program settings
- **Model selection method:** Permutation test
- **Number of permutations:** 4,499
- **Significance level (alpha):** 0.05
- **Confidence intervals:** 95%

Error structure

- **Variance model:** Poisson variance assumption
- **Autocorrelation option:** Not applied (default setting)

Model outputs

The Joinpoint model estimated:

- Annual Percent Change (APC) for each identified segment

- Average Annual Percent Change (AAPC) across the entire study period
- Joinpoint locations with corresponding confidence intervals

All Joinpoint analyses were performed using age-adjusted mortality rates standardized to the 2000 U.S. standard population, derived from CDC WONDER mortality data