

# Supplementary File

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**Supplementary Table 1: Cardiac Arrest and Cardiomyopathy Place of Death in the United States from 1999 to 2025**

<b>Place of Death</b>	<b>Place of Death Code</b>	<b>Deaths</b>
<b>Medical Facility - Inpatient</b>	1	112063
<b>Medical Facility - Outpatient or ER</b>	2	30297
<b>Medical Facility - Dead on Arrival</b>	3	2028
<b>Medical Facility - Status unknown</b>	10	251
<b>Decedent's home</b>	4	57335
<b>Hospice facility</b>	5	2510
<b>Nursing home/long-term care</b>	6	25829
<b>Other</b>	7	6744
<b>Place of death unknown</b>	9	896

**Supplementary Table 2: Cardiac Arrest and Cardiomyopathy Overall and Sex Stratified Trends in the United States from 1999 to 2025.**

<b>Sex</b>	<b>Year</b>	<b>Age-Adjusted Rate</b>	<b>Age Adjusted Rate Lower 95% Confidence Interval</b>	<b>Age Adjusted Rate Upper 95% Confidence Interval</b>	<b>Age Adjusted Rate Standard Error</b>
Overall	1999	6.327	6.209	6.444	0.06
Overall	2000	6.272	6.156	6.388	0.059
Overall	2001	5.832	5.721	5.943	0.057
Overall	2002	5.56	5.453	5.668	0.055
Overall	2003	5.28	5.176	5.383	0.053
Overall	2004	4.909	4.809	5.008	0.051
Overall	2005	4.762	4.666	4.859	0.049
Overall	2006	4.533	4.439	4.627	0.048
Overall	2007	4.403	4.311	4.495	0.047
Overall	2008	4.35	4.259	4.44	0.046
Overall	2009	4.304	4.215	4.394	0.046
Overall	2010	4.047	3.962	4.133	0.044
Overall	2011	3.954	3.87	4.038	0.043
Overall	2012	3.796	3.715	3.877	0.041
Overall	2013	3.811	3.731	3.892	0.041
Overall	2014	3.701	3.622	3.779	0.04
Overall	2015	3.61	3.533	3.687	0.039
Overall	2016	3.378	3.304	3.452	0.038
Overall	2017	3.3	3.228	3.373	0.037
Overall	2018	3.172	3.102	3.243	0.036
Overall	2019	2.986	2.919	3.054	0.034
Overall	2020	3.218	3.148	3.288	0.036
Overall	2021	3.212	3.142	3.283	0.036
Overall	2022	2.948	2.882	3.015	0.034
Overall	2023	2.705	2.643	2.77	0.032
Overall	2024	2.414	2.355	2.474	0.03
Overall	2025	2.407	2.349	2.467	0.03
Female	1999	4.362	4.235	4.489	0.065
Female	2000	4.325	4.2	4.451	0.064
Female	2001	4.071	3.95	4.192	0.062
Female	2002	3.746	3.631	3.861	0.059
Female	2003	3.663	3.55	3.776	0.058
Female	2004	3.33	3.223	3.438	0.055
Female	2005	3.239	3.133	3.344	0.054
Female	2006	3.109	3.007	3.211	0.052
Female	2007	2.924	2.826	3.022	0.05
Female	2008	2.893	2.796	2.99	0.049
Female	2009	2.836	2.741	2.931	0.048
Female	2010	2.657	2.565	2.748	0.047

<b>Female</b>	2011	2.635	2.544	2.726	0.046
<b>Female</b>	2012	2.555	2.466	2.643	0.045
<b>Female</b>	2013	2.538	2.45	2.625	0.045
<b>Female</b>	2014	2.398	2.313	2.482	0.043
<b>Female</b>	2015	2.305	2.222	2.387	0.042
<b>Female</b>	2016	2.247	2.166	2.329	0.042
<b>Female</b>	2017	2.17	2.091	2.249	0.04
<b>Female</b>	2018	2.074	1.997	2.15	0.039
<b>Female</b>	2019	1.921	1.847	1.994	0.037
<b>Female</b>	2020	2.123	2.047	2.2	0.039
<b>Female</b>	2021	2.103	2.027	2.183	0.04
<b>Female</b>	2022	1.987	1.914	2.062	0.037
<b>Female</b>	2023	1.815	1.745	1.886	0.036
<b>Female</b>	2024	1.617	1.553	1.684	0.033
<b>Female</b>	2025	1.621	1.556	1.688	0.033
<b>Male</b>	1999	9.131	8.907	9.356	0.115
<b>Male</b>	2000	9.039	8.816	9.261	0.113
<b>Male</b>	2001	8.364	8.152	8.576	0.108
<b>Male</b>	2002	8.224	8.015	8.432	0.106
<b>Male</b>	2003	7.657	7.457	7.856	0.102
<b>Male</b>	2004	7.197	7.006	7.388	0.098
<b>Male</b>	2005	6.948	6.763	7.134	0.094
<b>Male</b>	2006	6.531	6.354	6.708	0.09
<b>Male</b>	2007	6.35	6.178	6.522	0.088
<b>Male</b>	2008	6.273	6.104	6.442	0.086
<b>Male</b>	2009	6.256	6.089	6.424	0.085
<b>Male</b>	2010	5.933	5.771	6.094	0.082
<b>Male</b>	2011	5.699	5.543	5.854	0.079
<b>Male</b>	2012	5.47	5.319	5.62	0.077
<b>Male</b>	2013	5.477	5.329	5.626	0.076
<b>Male</b>	2014	5.371	5.226	5.515	0.074
<b>Male</b>	2015	5.246	5.104	5.387	0.072
<b>Male</b>	2016	4.851	4.716	4.986	0.069
<b>Male</b>	2017	4.666	4.537	4.796	0.066
<b>Male</b>	2018	4.526	4.4	4.652	0.064
<b>Male</b>	2019	4.328	4.206	4.45	0.062
<b>Male</b>	2020	4.544	4.42	4.668	0.063
<b>Male</b>	2021	4.556	4.432	4.684	0.064
<b>Male</b>	2022	4.149	4.032	4.269	0.06
<b>Male</b>	2023	3.783	3.673	3.897	0.057
<b>Male</b>	2024	3.367	3.265	3.473	0.053
<b>Male</b>	2025	3.281	3.179	3.385	0.052

**Supplementary Table 3: Cardiac Arrest and Cardiomyopathy Race Stratified Trends in the United States from 1999 to 2025.**

<b>Race</b>	<b>Year</b>	<b>Age-Adjusted Rate</b>	<b>Age Adjusted Rate Lower 95% Confidence Interval</b>	<b>Age Adjusted Rate Upper 95% Confidence Interval</b>	<b>Age Adjusted Rate Standard Error</b>
<b>NH American Indian or Alaska Native</b>	1999	6.679	4.925	8.856	0.962
<b>NH American Indian or Alaska Native</b>	2000	4.986	3.593	6.739	0.771
<b>NH American Indian or Alaska Native</b>	2001	4.614	3.281	6.307	0.74
<b>NH American Indian or Alaska Native</b>	2002	4.451	3.221	5.995	0.68
<b>NH American Indian or Alaska Native</b>	2003	4.917	3.638	6.501	0.704
<b>NH American Indian or Alaska Native</b>	2004	4.589	3.307	6.202	0.711
<b>NH American Indian or Alaska Native</b>	2005	3.624	2.589	4.935	0.573
<b>NH American Indian or Alaska Native</b>	2006	2.577	1.751	3.657	0.466
<b>NH American Indian or Alaska Native</b>	2007	3.692	2.661	4.991	0.57
<b>NH American Indian or Alaska Native</b>	2008	2.585	1.731	3.713	0.481
<b>NH American Indian or Alaska Native</b>	2009	3.736	2.764	4.94	0.534
<b>NH American Indian or Alaska Native</b>	2010	3.583	2.633	4.765	0.521
<b>NH American Indian or Alaska Native</b>	2011	2.983	2.159	4.018	0.452
<b>NH American Indian or Alaska Native</b>	2012	3.069	2.239	4.107	0.459
<b>NH American Indian or Alaska Native</b>	2013	4.043	3.093	5.194	0.518
<b>NH American Indian or Alaska Native</b>	2014	3.238	2.433	4.225	0.439
<b>NH American Indian or Alaska Native</b>	2015	2.531	1.86	3.366	0.37
<b>NH American Indian or Alaska Native</b>	2016	3.487	2.685	4.453	0.437
<b>NH American Indian or Alaska Native</b>	2017	3.133	2.433	3.972	0.381

<b>NH American Indian or Alaska Native</b>	2018	3.265	2.564	4.099	0.381
<b>NH American Indian or Alaska Native</b>	2019	2.647	2.015	3.414	0.344
<b>NH American Indian or Alaska Native</b>	2020	3.542	2.833	4.374	0.382
<b>NH American Indian or Alaska Native</b>	2021	3.253	2.547	4.119	0.382
<b>NH American Indian or Alaska Native</b>	2022	3.144	2.467	3.967	0.366
<b>NH American Indian or Alaska Native</b>	2023	2.155	1.632	2.814	0.286
<b>NH American Indian or Alaska Native</b>	2024	2.279	1.749	2.936	0.289
<b>NH American Indian or Alaska Native</b>	2025	2.792	2.187	3.527	0.328
<b>NH Asian or Pacific Islander</b>	1999	8.599	7.671	9.526	0.473
<b>NH Asian or Pacific Islander</b>	2000	6.682	5.884	7.479	0.407
<b>NH Asian or Pacific Islander</b>	2001	6.895	6.117	7.673	0.397
<b>NH Asian or Pacific Islander</b>	2002	6.642	5.899	7.386	0.379
<b>NH Asian or Pacific Islander</b>	2003	5.75	5.077	6.423	0.343
<b>NH Asian or Pacific Islander</b>	2004	5.494	4.856	6.133	0.326
<b>NH Asian or Pacific Islander</b>	2005	4.998	4.417	5.578	0.296
<b>NH Asian or Pacific Islander</b>	2006	5.376	4.786	5.967	0.301
<b>NH Asian or Pacific Islander</b>	2007	4.802	4.26	5.345	0.277
<b>NH Asian or Pacific Islander</b>	2008	3.788	3.325	4.252	0.237
<b>NH Asian or Pacific Islander</b>	2009	4.33	3.843	4.817	0.249
<b>NH Asian or Pacific Islander</b>	2010	3.837	3.386	4.288	0.23
<b>NH Asian or Pacific Islander</b>	2011	3.485	3.076	3.893	0.208
<b>NH Asian or Pacific Islander</b>	2012	3.986	3.563	4.408	0.216
<b>NH Asian or Pacific Islander</b>	2013	3.487	3.108	3.865	0.193
<b>NH Asian or Pacific Islander</b>	2014	3.125	2.783	3.468	0.175
<b>NH Asian or Pacific Islander</b>	2015	3.197	2.86	3.534	0.172

<b>NH Asian or Pacific Islander</b>	2016	3.015	2.693	3.337	0.164
<b>NH Asian or Pacific Islander</b>	2017	2.562	2.276	2.848	0.146
<b>NH Asian or Pacific Islander</b>	2018	2.694	2.408	2.98	0.146
<b>NH Asian or Pacific Islander</b>	2019	2.3	2.043	2.557	0.131
<b>NH Asian or Pacific Islander</b>	2020	2.406	2.148	2.663	0.131
<b>NH Asian or Pacific Islander</b>	2021	1.988	1.758	2.243	0.121
<b>NH Asian or Pacific Islander</b>	2022	1.885	1.667	2.125	0.115
<b>NH Asian or Pacific Islander</b>	2023	1.914	1.696	2.153	0.115
<b>NH Asian or Pacific Islander</b>	2024	1.662	1.467	1.878	0.103
<b>NH Asian or Pacific Islander</b>	2025	1.518	1.33	1.727	0.099
<b>NH Black or African American</b>	1999	11.452	10.921	11.983	0.271
<b>NH Black or African American</b>	2000	11.496	10.967	12.025	0.27
<b>NH Black or African American</b>	2001	10.756	10.25	11.262	0.258
<b>NH Black or African American</b>	2002	9.913	9.43	10.395	0.246
<b>NH Black or African American</b>	2003	9.782	9.308	10.256	0.242
<b>NH Black or African American</b>	2004	9.133	8.682	9.584	0.23
<b>NH Black or African American</b>	2005	8.774	8.339	9.209	0.222
<b>NH Black or African American</b>	2006	8.774	8.341	9.206	0.221
<b>NH Black or African American</b>	2007	7.913	7.509	8.316	0.206
<b>NH Black or African American</b>	2008	8.372	7.959	8.786	0.211
<b>NH Black or African American</b>	2009	8.152	7.749	8.555	0.206
<b>NH Black or African American</b>	2010	7.533	7.151	7.916	0.195
<b>NH Black or African American</b>	2011	7.255	6.886	7.623	0.188
<b>NH Black or African American</b>	2012	7.08	6.721	7.438	0.183
<b>NH Black or African American</b>	2013	6.782	6.437	7.126	0.176

<b>NH Black or African American</b>	2014	7.048	6.702	7.393	0.176
<b>NH Black or African American</b>	2015	6.566	6.239	6.893	0.167
<b>NH Black or African American</b>	2016	6.002	5.696	6.308	0.156
<b>NH Black or African American</b>	2017	6.014	5.71	6.317	0.155
<b>NH Black or African American</b>	2018	5.773	5.481	6.065	0.149
<b>NH Black or African American</b>	2019	5.61	5.326	5.893	0.145
<b>NH Black or African American</b>	2020	5.986	5.697	6.275	0.147
<b>NH Black or African American</b>	2021	5.843	5.556	6.141	0.148
<b>NH Black or African American</b>	2022	5.1	4.836	5.376	0.136
<b>NH Black or African American</b>	2023	4.808	4.554	5.074	0.131
<b>NH Black or African American</b>	2024	4.402	4.163	4.652	0.123
<b>NH Black or African American</b>	2025	4.071	3.842	4.312	0.119
<b>NH White</b>	1999	5.712	5.593	5.831	0.061
<b>NH White</b>	2000	5.701	5.583	5.819	0.06
<b>NH White</b>	2001	5.268	5.156	5.381	0.057
<b>NH White</b>	2002	5.088	4.978	5.198	0.056
<b>NH White</b>	2003	4.75	4.645	4.855	0.054
<b>NH White</b>	2004	4.436	4.334	4.537	0.052
<b>NH White</b>	2005	4.29	4.191	4.388	0.05
<b>NH White</b>	2006	3.999	3.905	4.093	0.048
<b>NH White</b>	2007	3.943	3.85	4.036	0.047
<b>NH White</b>	2008	3.912	3.82	4.005	0.047
<b>NH White</b>	2009	3.819	3.729	3.909	0.046
<b>NH White</b>	2010	3.653	3.565	3.741	0.045
<b>NH White</b>	2011	3.55	3.464	3.635	0.044
<b>NH White</b>	2012	3.417	3.333	3.5	0.043
<b>NH White</b>	2013	3.463	3.379	3.546	0.043
<b>NH White</b>	2014	3.295	3.214	3.375	0.041
<b>NH White</b>	2015	3.236	3.156	3.315	0.041
<b>NH White</b>	2016	3.07	2.992	3.147	0.04
<b>NH White</b>	2017	2.965	2.89	3.04	0.038
<b>NH White</b>	2018	2.833	2.76	2.906	0.037
<b>NH White</b>	2019	2.672	2.602	2.742	0.036
<b>NH White</b>	2020	2.861	2.788	2.933	0.037
<b>NH White</b>	2021	2.933	2.859	3.008	0.038
<b>NH White</b>	2022	2.684	2.615	2.756	0.036

<b>NH White</b>	2023	2.457	2.391	2.525	0.034
<b>NH White</b>	2024	2.166	2.105	2.229	0.032
<b>NH White</b>	2025	2.2	2.139	2.264	0.032
<b>Hispanic or Latino</b>	1999	7.945	7.327	8.563	0.315
<b>Hispanic or Latino</b>	2000	7.83	7.226	8.433	0.308
<b>Hispanic or Latino</b>	2001	6.843	6.298	7.388	0.278
<b>Hispanic or Latino</b>	2002	6.332	5.824	6.84	0.259
<b>Hispanic or Latino</b>	2003	7.046	6.514	7.578	0.271
<b>Hispanic or Latino</b>	2004	6.046	5.569	6.523	0.244
<b>Hispanic or Latino</b>	2005	5.769	5.317	6.221	0.231
<b>Hispanic or Latino</b>	2006	5.946	5.496	6.396	0.229
<b>Hispanic or Latino</b>	2007	5.702	5.275	6.129	0.218
<b>Hispanic or Latino</b>	2008	5.392	4.987	5.797	0.207
<b>Hispanic or Latino</b>	2009	5.073	4.689	5.456	0.196
<b>Hispanic or Latino</b>	2010	4.812	4.449	5.175	0.185
<b>Hispanic or Latino</b>	2011	4.958	4.602	5.314	0.182
<b>Hispanic or Latino</b>	2012	4.503	4.173	4.832	0.168
<b>Hispanic or Latino</b>	2013	4.425	4.11	4.739	0.161
<b>Hispanic or Latino</b>	2014	4.035	3.747	4.323	0.147
<b>Hispanic or Latino</b>	2015	3.748	3.476	4.021	0.139
<b>Hispanic or Latino</b>	2016	3.612	3.351	3.872	0.133
<b>Hispanic or Latino</b>	2017	3.485	3.238	3.732	0.126
<b>Hispanic or Latino</b>	2018	3.258	3.024	3.493	0.119
<b>Hispanic or Latino</b>	2019	2.906	2.688	3.123	0.111
<b>Hispanic or Latino</b>	2020	3.155	2.937	3.374	0.111
<b>Hispanic or Latino</b>	2021	2.888	2.683	3.106	0.107
<b>Hispanic or Latino</b>	2022	2.47	2.286	2.666	0.096
<b>Hispanic or Latino</b>	2023	2.32	2.144	2.507	0.092
<b>Hispanic or Latino</b>	2024	1.988	1.832	2.156	0.081
<b>Hispanic or Latino</b>	2025	2.133	1.97	2.306	0.085

**Supplementary Table 4: Cardiac Arrest and Cardiomyopathy Age Stratified Trends in the United States from 1999 to 2025.**

<b>Age</b>	<b>Year</b>	<b>Crude Rate</b>	<b>Crude Rate Lower 95% Confidence Interval</b>	<b>Crude Rate Upper 95% Confidence Interval</b>	<b>Crude Rate Standard Error</b>
25-44 years	1999	0.667	0.613	0.722	0.028
25-44 years	2000	0.561	0.511	0.611	0.026
25-44 years	2001	0.518	0.47	0.567	0.025
25-44 years	2002	0.555	0.504	0.605	0.026
25-44 years	2003	0.534	0.484	0.583	0.025
25-44 years	2004	0.571	0.519	0.622	0.026
25-44 years	2005	0.608	0.555	0.661	0.027
25-44 years	2006	0.565	0.514	0.616	0.026
25-44 years	2007	0.536	0.486	0.586	0.025
25-44 years	2008	0.54	0.49	0.59	0.026
25-44 years	2009	0.525	0.476	0.575	0.025
25-44 years	2010	0.521	0.472	0.57	0.025
25-44 years	2011	0.506	0.457	0.555	0.025
25-44 years	2012	0.424	0.379	0.468	0.023
25-44 years	2013	0.486	0.439	0.534	0.024
25-44 years	2014	0.5	0.452	0.548	0.024
25-44 years	2015	0.508	0.46	0.555	0.024
25-44 years	2016	0.482	0.435	0.528	0.024
25-44 years	2017	0.48	0.434	0.526	0.024
25-44 years	2018	0.47	0.425	0.516	0.023
25-44 years	2019	0.487	0.441	0.534	0.024
25-44 years	2020	0.58	0.53	0.631	0.026
25-44 years	2021	0.566	0.516	0.615	0.025
25-44 years	2022	0.546	0.497	0.594	0.025
25-44 years	2023	0.496	0.45	0.542	0.023
25-44 years	2024	0.423	0.381	0.465	0.021
25-44 years	2025	0.385	0.345	0.425	0.02
45-64 years	1999	3.849	3.692	4.005	0.08
45-64 years	2000	3.767	3.615	3.92	0.078
45-64 years	2001	3.442	3.299	3.586	0.073
45-64 years	2002	3.231	3.095	3.368	0.07
45-64 years	2003	3.093	2.962	3.225	0.067
45-64 years	2004	2.932	2.806	3.058	0.064
45-64 years	2005	2.815	2.694	2.937	0.062
45-64 years	2006	2.793	2.674	2.913	0.061
45-64 years	2007	2.743	2.626	2.86	0.06
45-64 years	2008	2.636	2.522	2.749	0.058
45-64 years	2009	2.7	2.586	2.813	0.058
45-64 years	2010	2.519	2.41	2.628	0.056
45-64 years	2011	2.567	2.458	2.676	0.056
45-64 years	2012	2.537	2.429	2.645	0.055

45-64 years	2013	2.578	2.469	2.687	0.056
45-64 years	2014	2.647	2.536	2.757	0.056
45-64 years	2015	2.605	2.496	2.714	0.056
45-64 years	2016	2.513	2.406	2.62	0.055
45-64 years	2017	2.544	2.436	2.651	0.055
45-64 years	2018	2.609	2.5	2.718	0.056
45-64 years	2019	2.555	2.447	2.664	0.055
45-64 years	2020	2.741	2.629	2.854	0.058
45-64 years	2021	2.646	2.535	2.756	0.056
45-64 years	2022	2.493	2.385	2.601	0.055
45-64 years	2023	2.171	2.071	2.272	0.051
45-64 years	2024	1.99	1.894	2.087	0.049
45-64 years	2025	1.839	1.746	1.931	0.047
65+ years	1999	23.881	23.367	24.394	0.262
65+ years	2000	24.011	23.498	24.525	0.262
65+ years	2001	22.542	22.046	23.037	0.253
65+ years	2002	21.722	21.237	22.206	0.247
65+ years	2003	20.592	20.122	21.062	0.24
65+ years	2004	18.888	18.44	19.335	0.228
65+ years	2005	18.412	17.973	18.851	0.224
65+ years	2006	17.377	16.953	17.801	0.216
65+ years	2007	16.793	16.38	17.206	0.211
65+ years	2008	16.608	16.202	17.013	0.207
65+ years	2009	16.273	15.876	16.671	0.203
65+ years	2010	15.422	15.038	15.805	0.196
65+ years	2011	14.828	14.457	15.199	0.189
65+ years	2012	14.282	13.925	14.639	0.182
65+ years	2013	13.954	13.608	14.3	0.177
65+ years	2014	13.152	12.822	13.483	0.169
65+ years	2015	12.588	12.27	12.906	0.162
65+ years	2016	11.677	11.375	11.978	0.154
65+ years	2017	11.166	10.876	11.457	0.148
65+ years	2018	10.465	10.188	10.742	0.141
65+ years	2019	9.665	9.403	9.928	0.134
65+ years	2020	10.235	9.97	10.501	0.136
65+ years	2021	10.081	9.818	10.344	0.134
65+ years	2022	9.324	9.075	9.573	0.127
65+ years	2023	8.593	8.357	8.829	0.12
65+ years	2024	7.681	7.461	7.9	0.112
65+ years	2025	7.877	7.654	8.099	0.113