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PROVISIONAL VITAL STATISTICS TABLES. MARYLAND, 1964

Preliminary. Based on calendar year figures. Only births and deaths recorded in Maryland are included. Numbers and rates for some areas are subject to substantial revision when the final report, which includes more data and interstate corrections for non-resident births and deaths, is prepared. The final report will be available about September, 1965.

Division of Statistical Research and Records  
Maryland State Department of Health  
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TABLE 1. DEATHS FOR SELECTED CAUSES BY RACE, MARYLAND, 1964 AND 1963\*

CAUSE OF DEATH (7 <sup>th</sup> Rev. International List No.)	Both Races			White			Nonwhite		
	1964	1963	Change	1964	1963	Change	1964	1963	Change
All Causes	29,218	30,156	-938	23,415	24,089	-674	5,803	6,067	-264
Diseases of the heart (400-443)	12,121	12,635	-514	10,190	10,589	-399	1,931	2,046	-115
Malignant neoplasms (140-205)	4,939	4,816	+123	4,154	3,997	+157	785	819	- 34
Vascular lesions of central nervous system (330-334)	2,271	2,374	-103	1,822	1,893	- 71	449	481	- 32
All accidents (800-962)	1,431	1,467	- 36	1,068	1,107	- 39	363	360	+ 3
Motor vehicle (810-835)	597	587	+ 10	453	428	+ 25	144	159	- 15
Certain diseases of early infancy (760-776)	1,152	1,173	- 21	706	740	- 34	446	433	+ 13
Influenza and pneumonia (480-493)	809	1,093	-284	602	832	-230	207	261	- 54
Diabetes mellitus (260)	703	620	+ 83	567	487	+ 80	136	133	+ 3
Arteriosclerosis (450)	506	527	- 21	437	467	- 30	69	60	+ 9
Cirrhosis of the liver (581)	421	397	+ 24	317	305	+ 12	104	92	+ 12
Congenital malformations (750-759)	367	398	- 31	278	297	- 19	89	101	- 12
Suicide (970-979)	355	360	+ 5	335	335	0	30	25	+ 5
Homicide (980-984)	223	200	+ 23	82	65	+ 17	141	135	+ 6
Nephritis and nephrosis (590-594)	193	156	+ 37	120	93	+ 27	73	63	+ 10
Tuberculosis (001-019)	190	231	- 41	115	139	- 24	75	92	- 17
Syphilis (020-029)	67	57	+ 10	35	21	+ 14	32	36	- 4
Poliomyelitis (080)	-	-	...	-	-	...	-	-	...

\* The preliminary figures refer to deaths which occurred in Maryland, except that deaths of Washington, D. C. residents in the Glenn Dale Tuberculosis Hospital have been deducted.



TABLE 2. DEATH RATES FOR SELECTED CAUSES BY RACE, MARYLAND, 1964 AND 1963\*

CAUSE OF DEATH (7th Rev. International List No.)	Both Races			White			Nonwhite		
	1964	1963	Percent change	1964	1963	Percent change	1964	1963	Percent change
All Causes	8.5	9.0	- 5.6	8.2	8.6	- 4.7	9.9	10.6	- 6.6
Diseases of the heart (400-443)	351.5	375.3	- 6.3	356.4	379.3	- 6.0	328.0	355.8	- 7.8
Malignant neoplasms (140-205)	143.2	143.0	+ 0.1	145.3	143.2	+ 1.5	133.3	142.4	- 6.4
Vascular lesions of central nervous system (330-334)	65.9	70.5	- 6.5	63.7	67.8	- 6.0	76.3	83.7	- 8.8
All accidents (800-962)	41.5	43.6	- 4.8	37.4	39.7	- 5.8	61.7	62.6	- 1.4
Motor vehicle (810-835)	17.3	17.4	- 0.6	15.8	15.3	+ 3.3	24.5	27.7	-11.6
Certain diseases of early infancy (760-776)	33.4	34.8	- 4.0	24.7	26.5	- 6.8	75.8	75.3	+ 0.7
Influenza and pneumonia (480-493)	23.5	32.5	-27.7	21.1	29.8	-29.2	35.2	45.4	-22.5
Diabetes mellitus (260)	20.4	18.4	+10.9	19.8	17.4	+13.8	23.1	23.1	-
Arteriosclerosis (450)	14.7	15.7	- 6.4	15.3	16.7	- 8.4	11.7	10.4	+12.5
Cirrhosis of the liver (581)	12.2	11.8	+ 3.4	11.1	10.9	+ 1.8	17.7	16.0	+10.6
Congenital malformations (750-759)	10.6	11.8	-10.2	9.7	10.6	- 8.5	15.1	17.6	-14.2
Suicide (970-979)	10.6	10.7	- 0.9	11.7	12.0	- 2.5	5.1	4.3	+18.6
Homicide (980-984)	6.5	5.9	+10.2	2.9	2.3	+26.1	24.0	23.5	+ 2.1
Nephritis and nephrosis (590-594)	5.6	4.6	+21.7	4.2	3.3	+27.3	12.4	11.0	+12.7
Tuberculosis (001-019)	5.5	6.9	-20.3	4.0	5.0	-20.0	12.7	16.0	-20.6
Syphilis (020-029)	1.9	1.7	+11.8	1.2	0.8	+50.0	5.4	6.3	-14.3
Poliomyelitis (080)	-	-	...	-	-	...	-	-	...

\* These preliminary figures refer to deaths which occurred in Maryland, except that deaths of Washington, D.C. residents in the Glenn Dale Tuberculosis Hospital have been deducted. Rates for specific causes are per 100,000 population; for all causes, per 1,000 population.



TABLE 3. DEATHS BY COUNTY FOR SELECTED CAUSES, MARYLAND, 1964\*

Area	All causes	Diseases of the heart	Malignant neoplasms	Vascular lesions of central nervous system	Accidents-excl. motor vehicle	Motor vehicle accidents	Influenza and pneumonia	Diabetes mellitus	Arteriosclerosis	Nephritis and nephrosis	Tuberculosis, all forms	Syphilis all forms	Congenital malformations	Certain diseases of early infancy	Maternal causes
Maryland State	29,218	12,121	4939	2271	834	597	809	703	506	193	190	67	367	1152	21
Baltimore City	11,540	4,832	1958	815	269	118	350	332	189	92	112	39	115	433	10
Total Counties	17,678	7,289	2981	1456	565	479	459	371	317	101	78	28	252	719	11
Allegany	961	526	125	52	39	18	10	27	23	8	4	-	11	23	1
Anne Arundel	1,518	562	253	121	51	51	43	46	28	7	8	1	26	74	1
Baltimore	3,606	1533	728	283	78	67	76	95	56	20	16	8	50	127	-
Calvert	148	38	22	12	9	9	3	2	5	1	-	-	2	15	-
Caroline	244	109	35	21	10	5	6	2	5	3	4	1	3	8	-
Carroll	502	212	63	47	11	9	20	18	10	2	1	-	8	12	-
Cecil	472	204	64	36	16	22	17	12	4	1	3	3	5	23	-
Charles	250	82	21	19	9	26	6	4	5	-	2	1	3	19	-
Dorchester	390	163	70	37	18	11	8	6	5	3	1	1	1	15	-
Frederick	755	346	95	75	22	23	20	14	15	5	7	1	9	25	-
Garrett	225	119	30	19	6	2	8	3	3	1	-	-	4	8	-
Harford	588	250	77	37	26	22	16	13	4	7	6	-	12	33	-
Howard	329	131	60	24	9	7	10	8	6	1	2	-	6	23	-
Kent	153	58	25	16	5	9	3	4	-	1	-	-	1	8	-
Montgomery	2,524	971	551	206	67	41	65	29	48	8	5	3	54	82	2
Prince Georges	2,097	829	301	148	83	69	73	27	36	10	9	3	30	114	5
Queen Annes	174	71	27	12	6	5	6	3	5	-	2	1	2	5	-
Saint Marys	269	85	32	24	13	17	7	7	3	2	-	1	5	31	1
Somerset	302	98	48	38	12	7	11	6	10	7	1	-	2	8	-
Talbot	293	121	58	28	6	2	10	4	12	1	2	2	4	6	-
Washington	960	413	147	100	35	31	19	16	21	2	1	-	9	27	-
Wicomico	610	243	97	70	29	20	15	17	8	5	3	1	2	26	-
Worcester	308	125	52	31	5	6	7	8	5	6	1	1	3	7	1

\* Includes events which occurred in Maryland only, except for Washington, D. C. residents dying in the Glenn Dale Tuberculosis Hospital. Events which were to a resident of the State have been assigned to the area of residence, but those to an out-of-State resident are assigned to the area of occurrence.





TABLE 4  
DEATHS FROM ALL CAUSES, AND DEATH RATES BY RACE AND COUNTY, MARYLAND, 1964\*

Area	ALL DEATHS			DEATH RATES (Per 1,000 Population)		
	Total	White	Nonwhite	Total	White	Nonwhite
Maryland State	29,218	23,415	5,803	8.5	8.2	9.9
Baltimore City	11,540	7,761	3,779	12.5	13.8	10.4
Total Counties	17,678	15,654	2,024	7.0	6.8	8.9
Allegany	961	950	11	10.9	11.0	6.9
Anne Arundel	1,518	1,268	250	6.1	5.9	7.6
Baltimore	3,606	3,448	158	6.8	6.7	9.3
Calvert	148	98	50	7.7	8.5	6.5
Caroline	244	196	48	11.2	11.5	10.2
Carroll	502	485	17	8.7	8.8	6.1
Cecil	472	424	48	8.5	8.1	14.4
Charles	250	150	100	6.3	5.7	7.3
Dorchester	390	263	127	12.5	12.5	12.4
Frederick	755	691	64	9.1	8.9	11.7
Garrett	225	224	1	9.7	9.7	20.0
Harford	588	516	72	6.6	6.3	8.5
Howard	329	295	34	7.0	7.0	6.9
Kent	153	111	42	9.3	9.0	10.0
Montgomery	2,524	2,359	165	6.2	6.0	10.2
Prince Georges	2,097	1,804	293	4.4	4.1	7.1
Queen Annes	174	129	45	9.5	10.0	8.4
Saint Marys	269	185	84	6.0	5.1	9.7
Somerset	302	213	89	15.3	18.2	11.0
Talbot	293	204	89	12.0	11.4	13.6
Washington	960	932	28	9.7	9.8	8.1
Wicomico	610	486	124	11.3	11.5	10.5
Worcester	308	223	85	12.2	13.4	9.9

\* See footnote under Table 3.

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Serial Number	Particulars					Date	Remarks
	Particulars	Particulars	Particulars	Particulars	Particulars		
100	100000	100000	100000	100000	100000	10/1/50	Initial deposit
101	100000	100000	100000	100000	100000	10/1/50	Interest on 100000
102	100000	100000	100000	100000	100000	10/1/50	Interest on 100000
103	100000	100000	100000	100000	100000	10/1/50	Interest on 100000
104	100000	100000	100000	100000	100000	10/1/50	Interest on 100000
105	100000	100000	100000	100000	100000	10/1/50	Interest on 100000
106	100000	100000	100000	100000	100000	10/1/50	Interest on 100000
107	100000	100000	100000	100000	100000	10/1/50	Interest on 100000
108	100000	100000	100000	100000	100000	10/1/50	Interest on 100000
109	100000	100000	100000	100000	100000	10/1/50	Interest on 100000
110	100000	100000	100000	100000	100000	10/1/50	Interest on 100000

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TABLE 5. BIRTHS, FETAL DEATHS AND INFANT DEATHS BY RACE AND COUNTY, MARYLAND, 1964\*

Area	Births			Fetal Deaths**			Infant Deaths (under one year)		
	Total	White	Non- white	Total	White	Non- white	Total	White	Non- white
Maryland State	69,860	52,532	17,328	1,075	658	417	1,857	1,145	712
Baltimore City	21,930	10,792	11,138	387	122	265	694	245	449
Total Counties	47,930	41,740	6,190	688	536	152	1,163	900	263
Allegany	1,883	1,854	29	25	25	-	43	43	-
Anne Arundel	5,399	4,597	802	66	46	20	126	95	31
Baltimore	10,579	10,124	455	144	139	5	198	189	9
Calvert	451	209	242	6	-	6	20	7	13
Caroline	348	249	99	6	2	4	13	11	2
Carroll	882	812	70	9	6	3	25	24	1
Cecil	1,405	1,306	99	15	14	1	35	34	1
Charles	754	434	320	17	9	8	32	9	23
Dorchester	537	308	229	17	9	8	20	7	13
Frederick	1,397	1,219	178	23	19	4	42	35	7
Garrett	438	437	1	10	10	-	9	9	-
Harford	2,306	2,047	259	49	41	8	53	44	9
Howard	1,022	882	140	22	16	6	34	26	8
Kent	330	220	110	7	5	2	12	5	7
Montgomery	6,013	5,498	515	68	57	11	137	122	15
Prince Georges	7,779	6,680	1,099	112	85	27	196	135	61
Queen Annes	353	234	119	9	5	4	8	2	6
Saint Marys	1,466	1,098	368	14	7	7	40	24	16
Somerset	366	194	172	9	5	4	16	9	7
Talbot	448	281	167	3	-	3	12	5	7
Washington	1,942	1,879	63	27	26	1	38	35	3
Wicomico	1,317	930	387	23	9	14	37	24	13
Worcester	515	248	267	7	1	6	17	6	11

\* See footnote under Table 3.

\*\* Fetal deaths are recorded if 20 weeks gestation or longer.

SOURCES OF INCOME			PROPERTY TAXES			OTHER TAXES			TOTAL
LAND	IMPROVEMENTS	PERSONAL	LAND	IMPROVEMENTS	PERSONAL	LAND	IMPROVEMENTS	PERSONAL	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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TABLE 6. BIRTH, FETAL DEATH AND INFANT MORTALITY RATES BY RACE AND COUNTY, MARYLAND, 1964\*

Area	Birth Rates (Per 1000 Population)			Fetal Death Rates** (Per 1000 Total Births)			Infant Mortality Rates (Per 1000 Live Births)		
	Total	White	Non- white	Total	White	Non- white	Total	White	Non- white
Maryland State	20.3	18.4	29.4	15.2	12.4	23.5	26.6	21.8	41.1
Baltimore City	23.8	19.2	30.8	17.3	11.2	23.2	31.6	22.7	40.3
Total Counties	19.0	18.2	27.3	14.2	12.7	24.0	24.3	21.6	42.5
Allegany	21.3	21.4	18.2	13.1	13.3	-	22.8	23.2	-
Anne Arundel	21.6	21.2	24.2	12.1	9.9	24.3	23.3	20.7	38.7
Baltimore	19.9	19.7	26.9	13.4	13.5	10.9	18.7	18.7	19.8
Calvert	23.5	18.2	31.4	13.1	-	24.2	44.3	33.5	53.7
Caroline	16.0	14.6	21.1	16.9	8.0	38.8	37.4	44.2	20.2
Carroll	15.3	14.8	25.3	10.1	7.3	41.1	28.3	29.6	14.3
Cecil	25.3	25.0	29.6	10.6	10.6	10.0	24.9	26.0	10.1
Charles	18.9	16.5	23.4	22.0	20.3	24.4	42.4	20.7	71.9
Dorchester	17.2	14.6	22.4	30.7	28.4	33.8	37.2	22.7	56.8
Frederick	16.9	15.8	32.6	16.2	15.3	22.0	30.1	28.7	39.3
Garrett	18.8	18.8	...	22.3	22.4	-	20.5	20.6	-
Harford	25.7	25.2	30.7	20.8	19.6	30.0	23.0	21.5	34.7
Howard	21.8	21.1	28.2	21.1	17.8	41.1	33.3	29.5	57.1
Kent	20.0	17.9	26.1	20.8	22.2	17.9	36.4	22.7	63.6
Montgomery	14.8	14.0	31.9	11.2	10.3	20.9	22.8	22.2	29.1
Prince Georges	16.3	15.3	26.6	14.2	12.6	24.0	25.2	20.2	55.5
Queen Annes	19.4	18.2	22.2	24.9	20.9	32.5	22.7	8.5	50.4
Saint Marys	32.8	30.5	42.7	9.5	6.3	18.7	27.3	21.9	43.5
Somerset	18.5	16.6	21.3	24.0	25.1	22.7	43.7	46.4	40.7
Talbot	18.4	15.8	25.6	6.7	-	17.6	26.8	17.8	41.9
Washington	19.6	19.7	18.2	13.7	13.6	15.6	19.6	18.6	47.6
Wicomico	24.3	22.0	32.8	17.2	9.6	34.9	28.1	25.8	33.6
Worcester	20.4	14.9	31.1	13.4	4.0	22.0	33.0	24.2	41.2

\* See footnote under Table 3.

\*\* See footnote under Table 5.

TABLE 2. THE EFFECT OF THE RATE OF WATER UPTAKE ON THE GROWTH OF THE PLANT

Rate of water uptake (liters per day)	Height of plant (cm)	Dry weight of plant (g)	Leaf area (cm <sup>2</sup> )	Number of leaves	Growth rate (g cm <sup>-2</sup> day <sup>-1</sup> )		Notes
					0-10 days	10-20 days	
1.0	10	1.0	100	1	0.01	0.01	Very slow growth
2.0	20	4.0	400	4	0.02	0.02	Slow growth
3.0	30	9.0	900	9	0.03	0.03	Medium growth
4.0	40	16.0	1600	16	0.04	0.04	Fast growth
5.0	50	25.0	2500	25	0.05	0.05	Very fast growth
6.0	60	36.0	3600	36	0.06	0.06	Extremely fast growth
7.0	70	49.0	4900	49	0.07	0.07	Plant reaching maximum height
8.0	80	64.0	6400	64	0.08	0.08	Plant reaching maximum height
9.0	90	81.0	8100	81	0.09	0.09	Plant reaching maximum height
10.0	100	100.0	10000	100	0.10	0.10	Plant reaching maximum height

The data show that the rate of water uptake is directly proportional to the growth rate of the plant. As the rate of water uptake increases, the height of the plant, its dry weight, leaf area, and number of leaves all increase. The growth rate also increases with the rate of water uptake, reaching a maximum at 10 liters per day.

TABLE 7. RECORDED\* BIRTHS BY RACE AND COUNTY, 1964

Area	Total	White	Nonwhite
Maryland State	69,860	52,532	17,328
Baltimore City	36,349	24,231	12,118
Total Counties	33,511	28,301	5,210
Allegany	1,940	1,913	27
Anne Arundel	3,048	2,520	528
Baltimore	27	22	5
Calvert	430	193	237
Caroline	7	-	7
Carroll	549	537	12
Cecil	1,185	1,091	94
Charles	565	299	266
Dorchester	481	267	214
Frederick	1,448	1,262	186
Garrett	401	400	1
Harford	2,175	1,921	254
Howard	5	3	2
Kent	475	332	143
Montgomery	7,894	7,314	580
Prince Georges	6,279	5,191	1,088
Queen Annes	4	2	2
Saint Marys	1,432	1,086	346
Somerset	211	124	87
Talbot	997	659	338
Washington	1,972	1,915	57
Wicomico	1,880	1,249	631
Worcester	106	1	105

\* Births are shown in the area in which they occurred.

TABLE 1. Comparison of the results of the two methods.

Method	Method 1	Method 2	Method 3	Method 4	Method 5	Method 6
Accuracy	95%	92%	98%	90%	96%	94%
Precision	90%	88%	95%	85%	92%	91%
Recall	92%	91%	96%	89%	94%	93%
F1 Score	91%	89%	95%	87%	93%	92%
Processing Time	1.2s	1.5s	1.0s	1.8s	1.1s	1.4s
Storage Space	50MB	60MB	45MB	70MB	55MB	65MB
Scalability	High	Medium	High	Low	High	Medium
Flexibility	High	Medium	High	Low	High	Medium
Robustness	High	Medium	High	Low	High	Medium
Interpretability	High	Medium	High	Low	High	Medium
Overall Performance	95%	92%	98%	90%	96%	94%

TABLE 2. Comparison of the results of the two methods.



TABLE 8.  
 MARYLAND ESTIMATED POPULATION, BY RACE AND COUNTY, JULY 1, 1964

Area	Total	White	Nonwhite
Maryland State	3,448,060	2,859,360	588,700
Baltimore City	923,300	561,510	361,790
Total Counties	2,524,760	2,297,850	226,910
Allegany	88,250	86,660	1,590
Anne Arundel	249,440	216,330	33,110
Baltimore	531,820	514,920	16,900
Calvert	19,200	11,500	7,700
Caroline	21,690	17,000	4,690
Carroll	57,740	54,970	2,770
Cecil	55,630	52,290	3,340
Charles	39,980	26,310	13,670
Dorchester	31,310	21,100	10,210
Frederick	82,790	77,330	5,460
Garrett	23,250	23,200	50
Harford	89,710	81,280	8,430
Howard	46,830	41,870	4,960
Kent	16,490	12,270	4,220
Montgomery	407,440	391,320	16,120
Prince Georges	477,800	436,540	41,260
Queen Annes	18,240	12,880	5,360
Saint Marys	44,670	36,050	8,620
Somerset	19,760	11,630	8,080
Talbot	24,370	17,840	6,530
Washington	98,970	95,510	3,460
Wicomico	54,140	42,340	11,800
Worcester	25,240	16,660	8,580



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