Supplemental Online Content

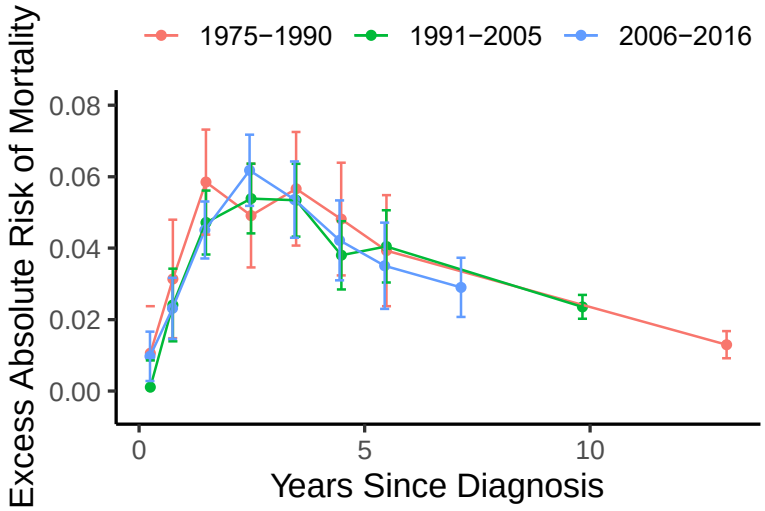
Singh AD, Zabor EC, Radivoyevitch T. Estimating cured fractions of uveal melanoma. *JAMA Ophthalmol*. Published online December 23, 2020. doi:10.1001/jamaophthalmol.2020.5720

This supplemental material has been provided by the authors to give readers additional information about their work.

© 2020 American Medical Association. All rights reserved.

This supplement provides eFigure 1 showing no major changes in mortality in the US over the last 40 years and eTables of full mortality since diagnosis (msd) outputs of the SEERaBomb R function msd, including for each time interval (int) the number of person-years at risk (PY), observed deaths (O), expected deaths (E), and PY-weighted interval time midpoints (t). Also shown are EAR and RR formed as (O-E)/PY and O/E, respectively; 95% confidence interval limits are LL (lower limit) and UL (upper limit) for EAR and rrL and rrU for RR.

eFigure 1. Mortality in the US has not changed much in 40 years.



© 2020 American Medical Association. All rights reserved.

eTable 1. Full results underlying Figure 1A.

	Group	int	O	E	PY	t	EAR	LL	UL	RR	rrL	rrU
1	Pooled	(0,0.5]	160	125.	5215.	0.244	0.00676	0.00200	0.0115	1.28	1.09	1.50
2	Pooled	(0.5,1]	238	115.	4947.	0.743	0.0248	0.0187	0.0309	2.06	1.81	2.34
3	Pooled	(1,2]	655	220.	9057.	1.47	0.0481	0.0425	0.0536	2.98	2.76	3.22
4	Pooled	(2,3]	641	196.	7888.	2.47	0.0564	0.0501	0.0626	3.26	3.02	3.53
5	Pooled	(3,4]	547	176.	6852.	3.47	0.0541	0.0474	0.0608	3.10	2.85	3.37
6	Pooled	(4,5]	407	159.	5987.	4.47	0.0414	0.0348	0.0480	2.56	2.32	2.82
7	Pooled	(5,6]	348	145.	5261.	5.47	0.0386	0.0316	0.0455	2.40	2.15	2.67
8	Pooled	(6,8]	534	256.	8773.	6.89	0.0317	0.0266	0.0369	2.09	1.92	2.27
9	Pooled	(8,10]	365	213.	6888.	8.89	0.0221	0.0167	0.0276	1.72	1.54	1.90
10	Pooled	(10,12]	290	177.	5306.	10.9	0.0213	0.0150	0.0276	1.64	1.45	1.84
11	Pooled	(12,15]	301	197.	5601.	13.2	0.0185	0.0125	0.0246	1.53	1.36	1.71
12	Pooled	(15,20]	289	210.	5294.	16.8	0.0149	0.00858	0.0212	1.37	1.22	1.54
13	Pooled	(20,25]	141	128.	2710.	21.8	0.00485	-0.00373	0.0134	1.10	0.928	1.30
14	Pooled	(25,30]	74	76.4	1450.	26.9	-0.00165	-0.0133	0.00998	0.969	0.761	1.22
15	Pooled	(30,35]	43	44.4	763.	31.8	-0.00189	-0.0187	0.0150	0.968	0.700	1.30
16	Pooled	(35,100]	20	21.1	266.	36.5	-0.00416	-0.0371	0.0287	0.948	0.579	1.46

eTable 2. Full results underlying Figure 1B.

	Group	int	O	E	PY	t	EAR	LL	UL	RR	rrL	rrU
1	Old (>60)	(0,0.5]	138	113.	2857.	0.244	0.00892	0.000857	0.0170	1.23	1.03	1.45
2	Old (>60)	(0.5,1]	197	104.	2682.	0.742	0.0348	0.0246	0.0451	1.90	1.65	2.19
3	Old (>60)	(1,2]	486	196.	4802.	1.46	0.0604	0.0514	0.0694	2.48	2.26	2.71
4	Old (>60)	(2,3]	454	174.	4049.	2.46	0.0692	0.0589	0.0795	2.61	2.38	2.86
5	Old (>60)	(3,4]	361	155.	3416.	3.46	0.0604	0.0495	0.0713	2.33	2.10	2.59
6	Old (>60)	(4,5]	302	138.	2883.	4.46	0.0568	0.0450	0.0686	2.18	1.94	2.44
7	Old (>60)	(5,6]	220	125.	2446	5.46	0.0389	0.0270	0.0508	1.76	1.54	2.01
8	Old (>60)	(6,8]	367	217.	3913.	6.86	0.0383	0.0287	0.0479	1.69	1.52	1.87
9	Old (>60)	(8,10]	233	176.	2840.	8.85	0.0201	0.00960	0.0307	1.33	1.16	1.51
10	Old (>60)	(10,12]	202	143.	2035.	10.8	0.0290	0.0153	0.0426	1.41	1.22	1.62
11	Old (>60)	(12,15]	204	151.	1896.	13.1	0.0278	0.0130	0.0426	1.35	1.17	1.55
12	Old (>60)	(15,20]	172	149.	1508.	16.6	0.0150	-0.00208	0.0320	1.15	0.985	1.34
13	Old (>60)	(20,25]	85	76.8	552.	21.5	0.0148	-0.0180	0.0475	1.11	0.884	1.37
14	Old (>60)	(25,100]	45	45.8	210.	26.9	-0.00399	-0.0665	0.0585	0.982	0.716	1.31
15	Young (<=60)	(0,0.5]	22	12.2	2357.	0.245	0.00414	0.000239	0.00804	1.80	1.13	2.72
16	Young (<=60)	(0.5,1]	41	11.8	2264.	0.745	0.0129	0.00737	0.0185	3.48	2.50	4.73
17	Young (<=60)	(1,2]	169	23.6	4254.	1.48	0.0342	0.0282	0.0402	7.17	6.13	8.34
18	Young (<=60)	(2,3]	187	22.6	3839.	2.48	0.0428	0.0358	0.0498	8.26	7.12	9.53
19	Young (<=60)	(3,4]	186	21.6	3437.	3.47	0.0478	0.0401	0.0556	8.61	7.42	9.94
20	Young (<=60)	(4,5]	105	20.7	3104.	4.48	0.0271	0.0207	0.0336	5.06	4.14	6.13
21	Young (<=60)	(5,6]	128	20.1	2815.	5.48	0.0383	0.0305	0.0462	6.37	5.31	7.57
22	Young (<=60)	(6,8]	167	38.5	4860.	6.91	0.0264	0.0212	0.0316	4.33	3.70	5.04
23	Young (<=60)	(8,10]	132	36.9	4048.	8.92	0.0235	0.0179	0.0291	3.58	3.00	4.25
24	Young (<=60)	(10,12]	88	34.0	3271.	10.9	0.0165	0.0109	0.0221	2.58	2.07	3.18
25	Young (<=60)	(12,15]	97	45.9	3705.	13.3	0.0138	0.00858	0.0190	2.11	1.71	2.58
26	Young (<=60)	(15,20]	117	60.8	3786.	16.9	0.0148	0.00924	0.0204	1.92	1.59	2.31
27	Young (<=60)	(20,25]	56	51.0	2158.	21.9	0.00232	-0.00448	0.00911	1.10	0.829	1.43
28	Young (<=60)	(25,100]	92	96.1	2269	28.5	-0.00181	-0.0101	0.00648	0.957	0.772	1.17

© 2020 American Medical Association. All rights reserved.

eTable 3. Full results underlying Figure 3A. SEER rows are as in eTable 1. GB = Good-Bad

	GB	int	O	E	PY	t	EAR	LL	UL	RR	rrL	rrU
1	SEER	(0,0.5]	160	125.	5215.	0.244	0.00676	0.00200	0.0115	1.28	1.09	1.50
2	SEER	(0.5,1]	238	115.	4947.	0.743	0.0248	0.0187	0.0309	2.06	1.81	2.34
3	SEER	(1,2]	655	220.	9057.	1.47	0.0481	0.0425	0.0536	2.98	2.76	3.22
4	SEER	(2,3]	641	196.	7888.	2.47	0.0564	0.0501	0.0626	3.26	3.02	3.53
5	SEER	(3,4]	547	176.	6852.	3.47	0.0541	0.0474	0.0608	3.10	2.85	3.37
6	SEER	(4,5]	407	159.	5987.	4.47	0.0414	0.0348	0.0480	2.56	2.32	2.82
7	SEER	(5,6]	348	145.	5261.	5.47	0.0386	0.0316	0.0455	2.40	2.15	2.67
8	SEER	(6,8]	534	256.	8773.	6.89	0.0317	0.0266	0.0369	2.09	1.92	2.27
9	SEER	(8,10]	365	213.	6888.	8.89	0.0221	0.0167	0.0276	1.72	1.54	1.90
10	SEER	(10,12]	290	177.	5306.	10.9	0.0213	0.0150	0.0276	1.64	1.45	1.84
11	SEER	(12,15]	301	197.	5601.	13.2	0.0185	0.0125	0.0246	1.53	1.36	1.71
12	SEER	(15,20]	289	210.	5294.	16.8	0.0149	0.00858	0.0212	1.37	1.22	1.54
13	SEER	(20,25]	141	128.	2710.	21.8	0.00485	-0.00373	0.0134	1.10	0.928	1.30
14	SEER	(25,30]	74	76.4	1450.	26.9	-0.00165	-0.0133	0.00998	0.969	0.761	1.22
15	SEER	(30,35]	43	44.4	763.	31.8	-0.00189	-0.0187	0.0150	0.968	0.700	1.30
16	SEER	(35,100]	20	21.1	266.	36.5	-0.00416	-0.0371	0.0287	0.948	0.579	1.46
17	All	(0,1]	24	11.5	534.	0.477	0.0234	0.00539	0.0414	2.08	1.33	3.10
18	All	(1,2]	47	9.75	429.	1.45	0.0868	0.0555	0.118	4.82	3.54	6.41
19	All	(2,3]	57	7.85	345.	2.44	0.143	0.0997	0.186	7.27	5.50	9.41
20	All	(3,5]	52	11.0	440.	3.79	0.0931	0.0610	0.125	4.74	3.54	6.21
21	All	(5,9]	26	8.79	274.	5.95	0.0628	0.0263	0.0993	2.96	1.93	4.33
22	All	(9,30]	10	4.54	132.	10.9	0.0412	-0.00556	0.0880	2.20	1.06	4.05
23	Good	(0,1]	3	3.58	211.	0.484	-0.00272	-0.0188	0.0133	0.839	0.173	2.45
24	Good	(1,2]	2	3.09	166.	1.46	-0.00655	-0.0232	0.0101	0.647	0.0784	2.34
25	Good	(2,3]	3	3.08	152.	2.46	-0.000531	-0.0228	0.0218	0.974	0.201	2.85
26	Good	(3,5]	6	4.99	224.	3.85	0.00451	-0.0169	0.0259	1.20	0.441	2.62
27	Good	(5,9]	6	3.95	156.	5.97	0.0132	-0.0176	0.0440	1.52	0.558	3.31
28	Good	(9,30]	3	2.05	72.4	11.0	0.0131	-0.0338	0.0600	1.46	0.301	4.27
29	Bad	(0,1]	21	7.95	322.	0.470	0.0405	0.0126	0.0684	2.64	1.64	4.04
30	Bad	(1,2]	45	6.66	263.	1.45	0.146	0.0959	0.196	6.76	4.93	9.04
31	Bad	(2,3]	54	4.76	192.	2.41	0.256	0.181	0.331	11.3	8.51	14.8
32	Bad	(3,5]	46	5.99	217.	3.73	0.185	0.123	0.246	7.68	5.62	10.2
33	Bad	(5,9]	20	4.84	118.	5.93	0.128	0.0540	0.202	4.13	2.52	6.38
34	Bad	(9,30]	7	2.48	60.1	10.8	0.0751	-0.0112	0.161	2.82	1.13	5.80

eTable 4. Full results underlying Figure 3B (and Figures 4A and 4B).

	mut	int	O	E	PY	t	EAR	LL	UL	RR	rrL	rrU
1	BAP1	(0,1]	14	5.10	190.	0.471	0.0468	0.00825	0.0853	2.75	1.50	4.61
2	BAP1	(1,2]	34	4.32	159.	1.45	0.187	0.115	0.259	7.88	5.45	11.0
3	BAP1	(2,3]	38	3.05	113.	2.41	0.308	0.202	0.415	12.5	8.83	17.1
4	BAP1	(3,5]	32	3.70	126.	3.74	0.224	0.136	0.312	8.65	5.91	12.2
5	BAP1	(5,9]	14	3.44	94.5	6.18	0.112	0.0342	0.189	4.07	2.23	6.84
6	BAP1	(9,30]	7	2.48	60.1	10.8	0.0751	-0.0112	0.161	2.82	1.13	5.80
7	SF3B1	(0,1]	1	0.830	58.2	0.485	0.00292	-0.0307	0.0366	1.20	0.0305	6.71
8	SF3B1	(1,2]	4	0.774	54.5	1.48	0.0592	-0.0127	0.131	5.17	1.41	13.2
9	SF3B1	(2,3]	5	0.681	46.7	2.48	0.0924	-0.00136	0.186	7.34	2.38	17.1
10	SF3B1	(3,5]	4	1.03	60.9	3.86	0.0488	-0.0156	0.113	3.89	1.06	9.97
11	SF3B1	(5,9]	6	0.980	64.4	6.29	0.0780	0.00340	0.153	6.12	2.25	13.3
12	SF3B1	(9,30]	6	0.431	27.0	10.8	0.206	0.0284	0.384	13.9	5.10	30.3
13	WT	(0,1]	1	2.04	90.3	0.496	-0.0115	-0.0332	0.0102	0.490	0.0124	2.73
14	WT	(1,2]	3	2.04	85.5	1.48	0.0112	-0.0285	0.0509	1.47	0.303	4.30
15	WT	(2,3]	4	2.06	79.9	2.49	0.0243	-0.0248	0.0733	1.94	0.529	4.97
16	WT	(3,5]	3	3.29	122.	3.91	-0.00240	-0.0303	0.0255	0.911	0.188	2.66
17	WT	(5,9]	7	2.94	106.	6.21	0.0383	-0.0106	0.0872	2.38	0.956	4.90

© 2020 American Medical Association. All rights reserved.

18	WT	(9,30]	3	2.05	72.4	11.0	0.0131	-0.0338	0.0600	1.46	0.301	4.27

© 2020 American Medical Association. All rights reserved.