

Pregnancy Outcomes: All cancers

Pregnancies in female survivors or female partners of male survivors

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							Pregnancy Outcome ²									
			Any pregnancy ¹			Live Births		Stillbirths		Miscarriages		Abortions		Unknown ³		
			All cases	N	%	Total # pregnancies	N	%	N	%	N	%	N	%	N	%
Both sexes	All cases		25658	6047	23.6	12627	8396	66.5	126	1.0	1984	15.7	1574	12.5	547	4.3
	Age at baseline	<18	5685	40	0.7	45	16	35.6	1	2.2	1	2.2	8	17.8	19	42.2
		18-19	2155	115	5.3	153	68	44.4	4	2.6	38	24.8	31	20.3	12	7.8
		20-24	6010	947	15.8	1512	871	57.6	12	0.8	264	17.5	253	16.7	112	7.4
		25-29	5553	1736	31.3	3280	2090	63.7	31	0.9	506	15.4	449	13.7	204	6.2
		30-34	3865	1788	46.3	4030	2814	69.8	33	0.8	589	14.6	458	11.4	136	3.4
		35+	2390	1421	59.5	3607	2537	70.3	45	1.2	586	16.2	375	10.4	64	1.8
	Years since diagnosis	5-9	2588	154	6.0	253	135	53.4	2	0.8	30	11.9	36	14.2	50	19.8
		10-14	8347	1204	14.4	2216	1413	63.8	25	1.1	313	14.1	348	15.7	117	5.3
		15-19	8210	2162	26.3	4404	2975	67.6	42	1.0	651	14.8	536	12.2	200	4.5
		20+	6513	2527	38.8	5754	3873	67.3	57	1.0	990	17.2	654	11.4	180	3.1
	Age at diagnosis	<1	1926	136	7.1	241	138	57.3	1	0.4	41	17.0	41	17.0	20	8.3
		1-4	8262	818	9.9	1400	819	58.5	13	0.9	256	18.3	219	15.6	93	6.6
		5-9	5782	1093	18.9	2118	1311	61.9	16	0.8	405	19.1	270	12.7	116	5.5
		10-14	5444	1964	36.1	4286	2930	68.4	52	1.2	622	14.5	524	12.2	158	3.7
		15-20	4244	2036	48.0	4582	3198	69.8	44	1.0	660	14.4	520	11.3	160	3.5
	Treatment	Surgery only	2162	560	25.9	1140	751	65.9	15	1.3	191	16.8	146	12.8	37	3.2
		Chemotherapy, no radiation	8136	2021	24.8	4260	2839	66.6	27	0.6	675	15.8	514	12.1	205	4.8
		Radiation, no chemotherapy	2086	636	30.5	1360	903	66.4	21	1.5	206	15.1	176	12.9	54	4.0
		Chemotherapy and radiation	10771	2184	20.3	4496	2963	65.9	54	1.2	708	15.7	586	13.0	185	4.1
		Unknown	2503	646	25.8	1371	940	68.6	9	0.7	204	14.9	152	11.1	66	4.8
Males	All cases		13721	2386	17.4	4693	3281	69.9	38	0.8	680	14.5	471	10.0	223	4.8
	Age at baseline	<18	3062	7	0.2	7	3	42.9	0	0.0	0	0.0	1	14.3	3	42.9
		18-19	1125	39	3.5	47	17	36.2	2	4.3	15	31.9	12	25.5	1	2.1
		20-24	3164	290	9.2	422	234	55.5	4	0.9	80	19.0	67	15.9	37	8.8
		25-29	3085	679	22.0	1201	796	66.3	9	0.7	172	14.3	142	11.8	82	6.8
		30-34	2056	753	36.6	1517	1132	74.6	8	0.5	181	11.9	134	8.8	62	4.1
		35+	1229	618	50.3	1499	1099	73.3	15	1.0	232	15.5	115	7.7	38	2.5
	Years since diagnosis	5-9	1453	51	3.5	85	40	47.1	1	1.2	9	10.6	8	9.4	27	31.8
		10-14	4469	434	9.7	729	494	67.8	5	0.7	107	14.7	85	11.7	38	5.2
		15-19	4317	849	19.7	1608	1149	71.5	12	0.7	215	13.4	156	9.7	76	4.7
		20+	3482	1052	30.2	2271	1598	70.4	20	0.9	349	15.4	222	9.8	82	3.6
	Age at diagnosis	<1	983	36	3.7	58	30	51.7	1	1.7	10	17.2	13	22.4	4	6.9
		1-4	4326	299	6.9	489	293	59.9	6	1.2	86	17.6	70	14.3	34	7.0
		5-9	3261	427	13.1	760	490	64.5	6	0.8	126	16.6	95	12.5	43	5.7
		10-14	2880	732	25.4	1476	1068	72.4	10	0.7	206	14.0	131	8.9	61	4.1
		15-20	2271	892	39.3	1910	1400	73.3	15	0.8	252	13.2	162	8.5	81	4.2
	Treatment	Surgery only	1065	207	19.4	404	285	70.5	3	0.7	55	13.6	53	13.1	8	2.0
		Chemotherapy, no radiation	4287	848	19.8	1707	1184	69.4	9	0.5	265	15.5	161	9.4	88	5.2
		Radiation, no chemotherapy	1086	268	24.7	550	392	71.3	6	1.1	72	13.1	53	9.6	27	4.9
		Chemotherapy and radiation	5805	770	13.3	1473	1033	70.1	15	1.0	209	14.2	150	10.2	66	4.5
		Unknown	1478	293	19.8	559	387	69.2	5	0.9	79	14.1	54	9.7	34	6.1
Females	All cases		11937	3661	30.7	7934	5115	64.5	88	1.1	1304	16.4	1103	13.9	324	4.1

CCSS data from Jan2020 data freeze

Based on items in M11/N8

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Pregnancy Outcomes: All cancers

Pregnancies in female survivors or female partners of male survivors

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							Pregnancy Outcome ²									
				Any pregnancy ¹			Live Births		Stillbirths		Miscarriages		Abortions		Unknown ³	
			All cases	N	%	Total # pregnancies	N	%	N	%	N	%	N	%	N	%
	Age at baseline	<18	2623	33	1.3	38	13	34.2	1	2.6	1	2.6	7	18.4	16	42.1
		18-19	1030	76	7.4	106	51	48.1	2	1.9	23	21.7	19	17.9	11	10.4
		20-24	2846	657	23.1	1090	637	58.4	8	0.7	184	16.9	186	17.1	75	6.9
		25-29	2468	1057	42.8	2079	1294	62.2	22	1.1	334	16.1	307	14.8	122	5.9
		30-34	1809	1035	57.2	2513	1682	66.9	25	1.0	408	16.2	324	12.9	74	2.9
		35+	1161	803	69.2	2108	1438	68.2	30	1.4	354	16.8	260	12.3	26	1.2
	Years since diagnosis	5-9	1135	103	9.1	168	95	56.5	1	0.6	21	12.5	28	16.7	23	13.7
		10-14	3878	770	19.9	1487	919	61.8	20	1.3	206	13.9	263	17.7	79	5.3
		15-19	3893	1313	33.7	2796	1826	65.3	30	1.1	436	15.6	380	13.6	124	4.4
		20+	3031	1475	48.7	3483	2275	65.3	37	1.1	641	18.4	432	12.4	98	2.8
	Age at diagnosis	<1	943	100	10.6	183	108	59.0	0	0.0	31	16.9	28	15.3	16	8.7
		1-4	3936	519	13.2	911	526	57.7	7	0.8	170	18.7	149	16.4	59	6.5
		5-9	2521	666	26.4	1358	821	60.5	10	0.7	279	20.5	175	12.9	73	5.4
		10-14	2564	1232	48.0	2810	1862	66.3	42	1.5	416	14.8	393	14.0	97	3.5
		15-20	1973	1144	58.0	2672	1798	67.3	29	1.1	408	15.3	358	13.4	79	3.0
	Treatment	Surgery only	1097	353	32.2	736	466	63.3	12	1.6	136	18.5	93	12.6	29	3.9
		Chemotherapy, no radiation	3849	1173	30.5	2553	1655	64.8	18	0.7	410	16.1	353	13.8	117	4.6
		Radiation, no chemotherapy	1000	368	36.8	810	511	63.1	15	1.9	134	16.5	123	15.2	27	3.3
		Chemotherapy and radiation	4966	1414	28.5	3023	1930	63.8	39	1.3	499	16.5	436	14.4	119	3.9
		Unknown	1025	353	34.4	812	553	68.1	4	0.5	125	15.4	98	12.1	32	3.9

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Pregnancy Outcomes: All leukemias

Pregnancies in female survivors or female partners of male survivors

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							Pregnancy Outcome ²									
				Any pregnancy ¹			Live Births		Stillbirths		Miscarriages		Abortions		Unknown ³	
			All cases	N	%	Total # pregnancies	N	%	N	%	N	%	N	%	N	%
Both sexes	All cases		7872	1576	20.0	3160	2125	67.2	33	1.0	495	15.7	363	11.5	144	4.6
	Age at baseline	<18	2233	13	0.6	13	5	38.5	1	7.7	0	0.0	2	15.4	5	38.5
		18-19	844	41	4.9	54	22	40.7	3	5.6	15	27.8	8	14.8	6	11.1
		20-24	1964	340	17.3	537	326	60.7	5	0.9	86	16.0	87	16.2	33	6.1
		25-29	1598	519	32.5	969	632	65.2	4	0.4	150	15.5	132	13.6	51	5.3
		30-34	837	418	49.9	954	666	69.8	11	1.2	147	15.4	96	10.1	34	3.6
		35+	396	245	61.9	633	474	74.9	9	1.4	97	15.3	38	6.0	15	2.4
	Years since diagnosis	5-9	980	33	3.4	54	31	57.4	1	1.9	3	5.6	9	16.7	10	18.5
		10-14	2637	268	10.2	456	290	63.6	5	1.1	64	14.0	71	15.6	26	5.7
		15-19	2439	575	23.6	1092	739	67.7	12	1.1	151	13.8	137	12.5	53	4.9
		20+	1816	700	38.5	1558	1065	68.4	15	1.0	277	17.8	146	9.4	55	3.5
	Age at diagnosis	<1	241	12	5.0	19	9	47.4	0	0.0	4	21.1	4	21.1	2	10.5
		1-4	3709	359	9.7	609	371	60.9	6	1.0	109	17.9	84	13.8	39	6.4
		5-9	1924	394	20.5	768	483	62.9	7	0.9	150	19.5	94	12.2	34	4.4
		10-14	1311	501	38.2	1078	751	69.7	14	1.3	148	13.7	121	11.2	44	4.1
		15-20	687	310	45.1	686	511	74.5	6	0.9	84	12.2	60	8.7	25	3.6
	Treatment	Surgery only	3	.	.	.	.	.	.	.	.	.	.	.	.	.
		Chemotherapy, no radiation	3367	739	21.9	1502	1021	68.0	11	0.7	243	16.2	156	10.4	71	4.7
		Radiation, no chemotherapy	4	2	50.0	6	4	66.7	0	0.0	2	33.3	0	0.0	0	0.0
		Chemotherapy and radiation	3762	667	17.7	1333	876	65.7	21	1.6	207	15.5	168	12.6	61	4.6
		Unknown	736	168	22.8	319	224	70.2	1	0.3	43	13.5	39	12.2	12	3.8
Males	All cases		4200	647	15.4	1235	885	71.7	11	0.9	176	14.3	103	8.3	60	4.9
	Age at baseline	<18	1219	1	0.1	1	1	100.0	0	0.0	0	0.0	0	0.0	0	0.0
		18-19	455	13	2.9	16	5	31.3	2	12.5	8	50.0	1	6.3	0	0.0
		20-24	996	103	10.3	146	84	57.5	4	2.7	27	18.5	21	14.4	10	6.8
		25-29	867	214	24.7	384	257	66.9	0	0.0	51	13.3	46	12.0	30	7.8
		30-34	440	189	43.0	382	301	78.8	3	0.8	49	12.8	19	5.0	10	2.6
		35+	223	127	57.0	306	237	77.5	2	0.7	41	13.4	16	5.2	10	3.3
	Years since diagnosis	5-9	557	12	2.2	20	8	40.0	1	5.0	1	5.0	2	10.0	8	40.0
		10-14	1414	104	7.4	161	113	70.2	3	1.9	24	14.9	16	9.9	5	3.1
		15-19	1254	242	19.3	457	327	71.6	5	1.1	60	13.1	47	10.3	18	3.9
		20+	975	289	29.6	597	437	73.2	2	0.3	91	15.2	38	6.4	29	4.9
	Age at diagnosis	<1	112	1	0.9	3	1	33.3	0	0.0	1	33.3	0	0.0	1	33.3
		1-4	1985	136	6.9	221	137	62.0	4	1.8	40	18.1	24	10.9	16	7.2
		5-9	1038	133	12.8	229	155	67.7	1	0.4	42	18.3	21	9.2	10	4.4
		10-14	647	187	28.9	380	283	74.5	3	0.8	48	12.6	27	7.1	19	5.0
		15-20	418	190	45.5	402	309	76.9	3	0.7	45	11.2	31	7.7	14	3.5
	Treatment	Surgery only	1	.	.	.	.	.	.	.	.	.	.	.	.	.
		Chemotherapy, no radiation	1689	305	18.1	599	427	71.3	3	0.5	94	15.7	41	6.8	34	5.7
		Radiation, no chemotherapy	3	1	33.3	3	3	100.0	0	0.0	0	0.0	0	0.0	0	0.0
		Chemotherapy and radiation	2066	265	12.8	499	354	70.9	7	1.4	68	13.6	51	10.2	19	3.8
		Unknown	441	76	17.2	134	101	75.4	1	0.7	14	10.4	11	8.2	7	5.2
Females	All cases		3672	929	25.3	1925	1240	64.4	22	1.1	319	16.6	260	13.5	84	4.4

CCSS data from Jan2020 data freeze

Based on items in M11/N8

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Pregnancy Outcomes: All leukemias

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				Any pregnancy ¹			Live Births		Stillbirths		Miscarriages		Abortions		Unknown ³	
			All cases	N	%	Total # pregnancies	N	%	N	%	N	%	N	%	N	%
	Age at baseline	<18	1014	12	1.2	12	4	33.3	1	8.3	0	0.0	2	16.7	5	41.7
		18-19	389	28	7.2	38	17	44.7	1	2.6	7	18.4	7	18.4	6	15.8
		20-24	968	237	24.5	391	242	61.9	1	0.3	59	15.1	66	16.9	23	5.9
		25-29	731	305	41.7	585	375	64.1	4	0.7	99	16.9	86	14.7	21	3.6
		30-34	397	229	57.7	572	365	63.8	8	1.4	98	17.1	77	13.5	24	4.2
		35+	173	118	68.2	327	237	72.5	7	2.1	56	17.1	22	6.7	5	1.5
	Years since diagnosis	5-9	423	21	5.0	34	23	67.6	0	0.0	2	5.9	7	20.6	2	5.9
		10-14	1223	164	13.4	295	177	60.0	2	0.7	40	13.6	55	18.6	21	7.1
		15-19	1185	333	28.1	635	412	64.9	7	1.1	91	14.3	90	14.2	35	5.5
		20+	841	411	48.9	961	628	65.3	13	1.4	186	19.4	108	11.2	26	2.7
	Age at diagnosis	<1	129	11	8.5	16	8	50.0	0	0.0	3	18.8	4	25.0	1	6.3
		1-4	1724	223	12.9	388	234	60.3	2	0.5	69	17.8	60	15.5	23	5.9
		5-9	886	261	29.5	539	328	60.9	6	1.1	108	20.0	73	13.5	24	4.5
		10-14	664	314	47.3	698	468	67.0	11	1.6	100	14.3	94	13.5	25	3.6
		15-20	269	120	44.6	284	202	71.1	3	1.1	39	13.7	29	10.2	11	3.9
	Treatment	Surgery only	2	.	.	.	.	.	.	.	.	.	.	.	.	.
		Chemotherapy, no radiation	1678	434	25.9	903	594	65.8	8	0.9	149	16.5	115	12.7	37	4.1
		Radiation, no chemotherapy	1	1	100.0	3	1	33.3	0	0.0	2	66.7	0	0.0	0	0.0
		Chemotherapy and radiation	1696	402	23.7	834	522	62.6	14	1.7	139	16.7	117	14.0	42	5.0
		Unknown	295	92	31.2	185	123	66.5	0	0.0	29	15.7	28	15.1	5	2.7

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			Any pregnancy ¹			Live Births		Stillbirths		Miscarriages		Abortions		Unknown ³		
			All cases	N	%	Total # pregnancies	N	%	N	%	N	%	N	%	N	%
Both sexes	All cases		6615	1324	20.0	2623	1774	67.6	29	1.1	400	15.2	296	11.3	124	4.7
	Age at baseline	<18	1940	10	0.5	10	5	50.0	0	0.0	0	0.0	0	0.0	5	50.0
		18-19	730	38	5.2	51	21	41.2	3	5.9	14	27.5	7	13.7	6	11.8
		20-24	1687	315	18.7	502	311	62.0	5	1.0	77	15.3	77	15.3	32	6.4
		25-29	1329	452	34.0	853	565	66.2	4	0.5	130	15.2	108	12.7	46	5.4
		30-34	649	322	49.6	725	506	69.8	10	1.4	113	15.6	73	10.1	23	3.2
		35+	280	187	66.8	482	366	75.9	7	1.5	66	13.7	31	6.4	12	2.5
	Years since diagnosis	5-9	844	27	3.2	46	27	58.7	1	2.2	3	6.5	8	17.4	7	15.2
		10-14	2223	220	9.9	369	235	63.7	4	1.1	51	13.8	56	15.2	23	6.2
		15-19	2022	479	23.7	902	611	67.7	11	1.2	124	13.7	112	12.4	44	4.9
		20+	1526	598	39.2	1306	901	69.0	13	1.0	222	17.0	120	9.2	50	3.8
	Age at diagnosis	<1	133	7	5.3	14	6	42.9	0	0.0	4	28.6	2	14.3	2	14.3
		1-4	3298	334	10.1	575	360	62.6	5	0.9	99	17.2	73	12.7	38	6.6
		5-9	1691	353	20.9	666	420	63.1	7	1.1	126	18.9	81	12.2	32	4.8
		10-14	1026	408	39.8	874	619	70.8	11	1.3	119	13.6	91	10.4	34	3.9
		15-20	467	222	47.5	494	369	74.7	6	1.2	52	10.5	49	9.9	18	3.6
	Treatment	Chemotherapy, no radiation	2684	581	21.6	1155	788	68.2	9	0.8	183	15.8	117	10.1	58	5.0
		Radiation, no chemotherapy	4	2	50.0	6	4	66.7	0	0.0	2	33.3	0	0.0	0	0.0
		Chemotherapy and radiation	3298	599	18.2	1200	797	66.4	19	1.6	180	15.0	145	12.1	59	4.9
		Unknown	629	142	22.6	262	185	70.6	1	0.4	35	13.4	34	13.0	7	2.7
Males	All cases		3562	545	15.3	1038	734	70.7	10	1.0	148	14.3	94	9.1	52	5.0
	Age at baseline	<18	1060	1	0.1	1	1	100.0	0	0.0	0	0.0	0	0.0	0	0.0
		18-19	398	11	2.8	14	5	35.7	2	14.3	7	50.0	0	0.0	0	0.0
		20-24	857	98	11.4	141	81	57.4	4	2.8	26	18.4	20	14.2	10	7.1
		25-29	733	189	25.8	343	232	67.6	0	0.0	42	12.2	42	12.2	27	7.9
		30-34	347	143	41.2	284	217	76.4	2	0.7	40	14.1	17	6.0	8	2.8
		35+	167	103	61.7	255	198	77.6	2	0.8	33	12.9	15	5.9	7	2.7
	Years since diagnosis	5-9	481	10	2.1	17	7	41.2	1	5.9	1	5.9	2	11.8	6	35.3
		10-14	1201	84	7.0	127	87	68.5	3	2.4	17	13.4	15	11.8	5	3.9
		15-19	1054	196	18.6	370	258	69.7	4	1.1	51	13.8	42	11.4	15	4.1
		20+	826	255	30.9	524	382	72.9	2	0.4	79	15.1	35	6.7	26	5.0
	Age at diagnosis	<1	64	1	1.6	3	1	33.3	0	0.0	1	33.3	0	0.0	1	33.3
		1-4	1758	126	7.2	210	133	63.3	4	1.9	38	18.1	20	9.5	15	7.1
		5-9	922	123	13.3	209	139	66.5	1	0.5	38	18.2	21	10.0	10	4.8
		10-14	525	155	29.5	315	233	74.0	2	0.6	39	12.4	25	7.9	16	5.1
		15-20	293	140	47.8	301	228	75.7	3	1.0	32	10.6	28	9.3	10	3.3
	Treatment	Chemotherapy, no radiation	1344	236	17.6	464	325	70.0	2	0.4	74	15.9	35	7.5	28	6.0
		Radiation, no chemotherapy	3	1	33.3	3	3	100.0	0	0.0	0	0.0	0	0.0	0	0.0
		Chemotherapy and radiation	1834	244	13.3	459	320	69.7	7	1.5	64	13.9	49	10.7	19	4.1
		Unknown	381	64	16.8	112	86	76.8	1	0.9	10	8.9	10	8.9	5	4.5
Females	All cases		3053	779	25.5	1585	1040	65.6	19	1.2	252	15.9	202	12.7	72	4.5
	Age at baseline	<18	880	9	1.0	9	4	44.4	0	0.0	0	0.0	0	0.0	5	55.6
		18-19	332	27	8.1	37	16	43.2	1	2.7	7	18.9	7	18.9	6	16.2

CCSS data from Jan2020 data freeze

Based on items in M11/N8

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Pregnancy Outcomes: ALL
Pregnancies in female survivors or female partners of male survivors

6

							Pregnancy Outcome ²									
				Any pregnancy ¹			Live Births		Stillbirths		Miscarriages		Abortions		Unknown ³	
			All cases	N	%	Total # pregnancies	N	%	N	%	N	%	N	%	N	%
		20-24	830	217	26.1	361	230	63.7	1	0.3	51	14.1	57	15.8	22	6.1
		25-29	596	263	44.1	510	333	65.3	4	0.8	88	17.3	66	12.9	19	3.7
		30-34	302	179	59.3	441	289	65.5	8	1.8	73	16.6	56	12.7	15	3.4
		35+	113	84	74.3	227	168	74.0	5	2.2	33	14.5	16	7.0	5	2.2
	Years since diagnosis	5-9	363	17	4.7	29	20	69.0	0	0.0	2	6.9	6	20.7	1	3.4
		10-14	1022	136	13.3	242	148	61.2	1	0.4	34	14.0	41	16.9	18	7.4
		15-19	968	283	29.2	532	353	66.4	7	1.3	73	13.7	70	13.2	29	5.5
		20+	700	343	49.0	782	519	66.4	11	1.4	143	18.3	85	10.9	24	3.1
	Age at diagnosis	<1	69	6	8.7	11	5	45.5	0	0.0	3	27.3	2	18.2	1	9.1
		1-4	1540	208	13.5	365	227	62.2	1	0.3	61	16.7	53	14.5	23	6.3
		5-9	769	230	29.9	457	281	61.5	6	1.3	88	19.3	60	13.1	22	4.8
		10-14	501	253	50.5	559	386	69.1	9	1.6	80	14.3	66	11.8	18	3.2
		15-20	174	82	47.1	193	141	73.1	3	1.6	20	10.4	21	10.9	8	4.1
	Treatment	Chemotherapy, no radiation	1340	345	25.7	691	463	67.0	7	1.0	109	15.8	82	11.9	30	4.3
		Radiation, no chemotherapy	1	1	100.0	3	1	33.3	0	0.0	2	66.7	0	0.0	0	0.0
		Chemotherapy and radiation	1464	355	24.2	741	477	64.4	12	1.6	116	15.7	96	13.0	40	5.4
		Unknown	248	78	31.5	150	99	66.0	0	0.0	25	16.7	24	16.0	2	1.3

CCSS data from Jan2020 data freeze

Based on items in M11/N8

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Pregnancy Outcomes: AML
Pregnancies in female survivors or female partners of male survivors

7

							Pregnancy Outcome ²										
				Any pregnancy ¹			Live Births		Stillbirths		Miscarriages		Abortions		Unknown ³		
				All cases	N	%	Total # pregnancies	N	%	N	%	N	%	N	%	N	%
Both sexes	All cases		927	186	20.1		404	262	64.9	3	0.7	70	17.3	57	14.1	12	3.0
	Age at baseline	<18	230	3	1.3		3	0	0.0	1	33.3	0	0.0	2	66.7	0	0.0
		18-19	89	2	2.2		2	1	50.0	0	0.0	0	0.0	1	50.0	0	0.0
		20-24	199	21	10.6		29	12	41.4	0	0.0	7	24.1	9	31.0	1	3.4
		25-29	200	48	24.0		84	48	57.1	0	0.0	18	21.4	17	20.2	1	1.2
		30-34	133	74	55.6		186	130	69.9	1	0.5	27	14.5	21	11.3	7	3.8
		35+	76	38	50.0		100	71	71.0	1	1.0	18	18.0	7	7.0	3	3.0
	Years since diagnosis	5-9	85	4	4.7		4	2	50.0	0	0.0	0	0.0	1	25.0	1	25.0
		10-14	319	34	10.7		62	39	62.9	1	1.6	11	17.7	10	16.1	1	1.6
		15-19	323	75	23.2		151	101	66.9	1	0.7	17	11.3	25	16.6	7	4.6
		20+	200	73	36.5		187	120	64.2	1	0.5	42	22.5	21	11.2	3	1.6
	Age at diagnosis	<1	93	5	5.4		5	3	60.0	0	0.0	0	0.0	2	40.0	0	0.0
		1-4	314	17	5.4		23	7	30.4	1	4.3	8	34.8	7	30.4	0	0.0
		5-9	171	34	19.9		89	55	61.8	0	0.0	21	23.6	12	13.5	1	1.1
		10-14	198	70	35.4		152	95	62.5	2	1.3	18	11.8	29	19.1	8	5.3
		15-20	151	60	39.7		135	102	75.6	0	0.0	23	17.0	7	5.2	3	2.2
	Treatment	Surgery only	3	.	.		.	.	.	.	.	.	.	.	.	.	.
		Chemotherapy, no radiation	557	126	22.6		278	183	65.8	2	0.7	49	17.6	35	12.6	9	3.2
		Chemotherapy and radiation	295	42	14.2		87	54	62.1	1	1.1	14	16.1	17	19.5	1	1.1
		Unknown	72	18	25.0		39	25	64.1	0	0.0	7	17.9	5	12.8	2	5.1
Males	All cases		454	69	15.2		138	105	76.1	1	0.7	20	14.5	7	5.1	5	3.6
	Age at baseline	<18	125	.	.		.	.	.	.	.	.	.	.	.	.	.
		18-19	45	1	2.2		1	0	0.0	0	0.0	0	0.0	1	100.0	0	0.0
		20-24	95	4	4.2		4	2	50.0	0	0.0	1	25.0	1	25.0	0	0.0
		25-29	90	16	17.8		26	17	65.4	0	0.0	7	26.9	2	7.7	0	0.0
		30-34	64	34	53.1		74	62	83.8	1	1.4	7	9.5	2	2.7	2	2.7
		35+	35	14	40.0		33	24	72.7	0	0.0	5	15.2	1	3.0	3	9.1
	Years since diagnosis	5-9	50	1	2.0		1	1	100.0	0	0.0	0	0.0	0	0.0	0	0.0
		10-14	159	12	7.5		20	15	75.0	0	0.0	5	25.0	0	0.0	0	0.0
		15-19	149	34	22.8		66	51	77.3	1	1.5	6	9.1	5	7.6	3	4.5
		20+	96	22	22.9		51	38	74.5	0	0.0	9	17.6	2	3.9	2	3.9
	Age at diagnosis	<1	40	.	.		.	.	.	.	.	.	.	.	.	.	.
		1-4	171	7	4.1		7	3	42.9	0	0.0	1	14.3	3	42.9	0	0.0
		5-9	79	7	8.9		17	14	82.4	0	0.0	3	17.6	0	0.0	0	0.0
		10-14	81	23	28.4		47	35	74.5	1	2.1	6	12.8	2	4.3	3	6.4
		15-20	83	32	38.6		67	53	79.1	0	0.0	10	14.9	2	3.0	2	3.0
	Treatment	Surgery only	1	.	.		.	.	.	.	.	.	.	.	.	.	.
		Chemotherapy, no radiation	269	51	19.0		101	76	75.2	1	1.0	15	14.9	5	5.0	4	4.0
		Chemotherapy and radiation	145	10	6.9		21	18	85.7	0	0.0	2	9.5	1	4.8	0	0.0
		Unknown	39	8	20.5		16	11	68.8	0	0.0	3	18.8	1	6.3	1	6.3
Females	All cases		473	117	24.7		266	157	59.0	2	0.8	50	18.8	50	18.8	7	2.6
	Age at baseline	<18	105	3	2.9		3	0	0.0	1	33.3	0	0.0	2	66.7	0	0.0
		18-19	44	1	2.3		1	1	100.0	0	0.0	0	0.0	0	0.0	0	0.0

CCSS data from Jan2020 data freeze

Based on items in M11/N8

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Pregnancy Outcomes: AML
Pregnancies in female survivors or female partners of male survivors

8

							Pregnancy Outcome ²									
				Any pregnancy ¹			Live Births		Stillbirths		Miscarriages		Abortions		Unknown ³	
			All cases	N	%	Total # pregnancies	N	%	N	%	N	%	N	%	N	%
		20-24	104	17	16.3	25	10	40.0	0	0.0	6	24.0	8	32.0	1	4.0
		25-29	110	32	29.1	58	31	53.4	0	0.0	11	19.0	15	25.9	1	1.7
		30-34	69	40	58.0	112	68	60.7	0	0.0	20	17.9	19	17.0	5	4.5
		35+	41	24	58.5	67	47	70.1	1	1.5	13	19.4	6	9.0	0	0.0
	Years since diagnosis	5-9	35	3	8.6	3	1	33.3	0	0.0	0	0.0	1	33.3	1	33.3
		10-14	160	22	13.8	42	24	57.1	1	2.4	6	14.3	10	23.8	1	2.4
		15-19	174	41	23.6	85	50	58.8	0	0.0	11	12.9	20	23.5	4	4.7
		20+	104	51	49.0	136	82	60.3	1	0.7	33	24.3	19	14.0	1	0.7
	Age at diagnosis	<1	53	5	9.4	5	3	60.0	0	0.0	0	0.0	2	40.0	0	0.0
		1-4	143	10	7.0	16	4	25.0	1	6.3	7	43.8	4	25.0	0	0.0
		5-9	92	27	29.3	72	41	56.9	0	0.0	18	25.0	12	16.7	1	1.4
		10-14	117	47	40.2	105	60	57.1	1	1.0	12	11.4	27	25.7	5	4.8
		15-20	68	28	41.2	68	49	72.1	0	0.0	13	19.1	5	7.4	1	1.5
	Treatment	Surgery only	2	.	.	.	.	.	.	.	.	.	.	.	.	.
		Chemotherapy, no radiation	288	75	26.0	177	107	60.5	1	0.6	34	19.2	30	16.9	5	2.8
		Chemotherapy and radiation	150	32	21.3	66	36	54.5	1	1.5	12	18.2	16	24.2	1	1.5
		Unknown	33	10	30.3	23	14	60.9	0	0.0	4	17.4	4	17.4	1	4.3

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Pregnancy Outcomes: All CNS
Pregnancies in female survivors or female partners of male survivors

9

							Pregnancy Outcome ²									
				Any pregnancy ¹			Live Births		Stillbirths		Miscarriages		Abortions		Unknown ³	
			All cases	N	%	Total # pregnancies	N	%	N	%	N	%	N	%	N	%
Both sexes	All cases		4490	702	15.6	1315	858	65.2	16	1.2	218	16.6	172	13.1	51	3.9
	Age at baseline	<18	953	3	0.3	3	1	33.3	0	0.0	0	0.0	2	66.7	0	0.0
		18-19	377	8	2.1	8	3	37.5	0	0.0	1	12.5	2	25.0	2	25.0
		20-24	1179	107	9.1	163	88	54.0	2	1.2	40	24.5	21	12.9	12	7.4
		25-29	1084	228	21.0	399	253	63.4	4	1.0	62	15.5	65	16.3	15	3.8
		30-34	623	222	35.6	443	304	68.6	4	0.9	69	15.6	47	10.6	19	4.3
		35+	274	134	48.9	299	209	69.9	6	2.0	46	15.4	35	11.7	3	1.0
	Years since diagnosis	5-9	463	18	3.9	33	15	45.5	1	3.0	5	15.2	5	15.2	7	21.2
		10-14	1540	139	9.0	224	144	64.3	2	0.9	26	11.6	43	19.2	9	4.0
		15-19	1415	257	18.2	478	298	62.3	5	1.0	87	18.2	66	13.8	22	4.6
		20+	1072	288	26.9	580	401	69.1	8	1.4	100	17.2	58	10.0	13	2.2
	Age at diagnosis	<1	218	4	1.8	11	6	54.5	0	0.0	3	27.3	1	9.1	1	9.1
		1-4	1322	71	5.4	101	59	58.4	1	1.0	18	17.8	18	17.8	5	5.0
		5-9	1405	169	12.0	305	186	61.0	2	0.7	65	21.3	36	11.8	16	5.2
		10-14	1067	277	26.0	531	359	67.6	10	1.9	79	14.9	71	13.4	12	2.3
		15-20	478	181	37.9	367	248	67.6	3	0.8	53	14.4	46	12.5	17	4.6
	Treatment	Surgery only	1272	336	26.4	638	416	65.2	10	1.6	110	17.2	88	13.8	14	2.2
		Chemotherapy, no radiation	355	38	10.7	87	57	65.5	1	1.1	15	17.2	8	9.2	6	6.9
		Radiation, no chemotherapy	1171	193	16.5	362	233	64.4	4	1.1	58	16.0	47	13.0	20	5.5
		Chemotherapy and radiation	1249	71	5.7	112	71	63.4	0	0.0	16	14.3	18	16.1	7	6.3
		Unknown	443	64	14.4	116	81	69.8	1	0.9	19	16.4	11	9.5	4	3.4
Males	All cases		2452	298	12.2	517	366	70.8	3	0.6	66	12.8	56	10.8	26	5.0
	Age at baseline	<18	529	2	0.4	2	1	50.0	0	0.0	0	0.0	1	50.0	0	0.0
		18-19	191	4	2.1	4	2	50.0	0	0.0	0	0.0	2	50.0	0	0.0
		20-24	633	31	4.9	44	28	63.6	0	0.0	9	20.5	3	6.8	4	9.1
		25-29	618	101	16.3	169	114	67.5	1	0.6	24	14.2	23	13.6	7	4.1
		30-34	332	99	29.8	173	123	71.1	1	0.6	19	11.0	17	9.8	13	7.5
		35+	149	61	40.9	125	98	78.4	1	0.8	14	11.2	10	8.0	2	1.6
	Years since diagnosis	5-9	263	10	3.8	20	11	55.0	0	0.0	3	15.0	1	5.0	5	25.0
		10-14	832	55	6.6	84	56	66.7	0	0.0	10	11.9	14	16.7	4	4.8
		15-19	772	106	13.7	171	113	66.1	1	0.6	25	14.6	22	12.9	10	5.8
		20+	585	127	21.7	242	186	76.9	2	0.8	28	11.6	19	7.9	7	2.9
	Age at diagnosis	<1	128	.	.	.	.	.	.	.	.	.	.	.	.	.
		1-4	698	35	5.0	48	31	64.6	1	2.1	7	14.6	7	14.6	2	4.2
		5-9	786	66	8.4	111	73	65.8	0	0.0	16	14.4	14	12.6	8	7.2
		10-14	570	115	20.2	205	150	73.2	2	1.0	27	13.2	20	9.8	6	2.9
		15-20	270	82	30.4	153	112	73.2	0	0.0	16	10.5	15	9.8	10	6.5
	Treatment	Surgery only	649	137	21.1	238	170	71.4	2	0.8	30	12.6	32	13.4	4	1.7
		Chemotherapy, no radiation	191	21	11.0	40	30	75.0	1	2.5	3	7.5	3	7.5	3	7.5
		Radiation, no chemotherapy	616	80	13.0	139	100	71.9	0	0.0	15	10.8	10	7.2	14	10.1
		Chemotherapy and radiation	742	29	3.9	49	34	69.4	0	0.0	8	16.3	5	10.2	2	4.1
		Unknown	254	31	12.2	51	32	62.7	0	0.0	10	19.6	6	11.8	3	5.9
Females	All cases		2038	404	19.8	798	492	61.7	13	1.6	152	19.0	116	14.5	25	3.1

CCSS data from Jan2020 data freeze

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Pregnancy Outcomes: All CNS
Pregnancies in female survivors or female partners of male survivors

10

							Pregnancy Outcome ²									
				Any pregnancy ¹			Live Births		Stillbirths		Miscarriages		Abortions		Unknown ³	
			All cases	N	%	Total # pregnancies	N	%	N	%	N	%	N	%	N	%
	Age at baseline	<18	424	1	0.2	1	0	0.0	0	0.0	0	0.0	1	100.0	0	0.0
		18-19	186	4	2.2	4	1	25.0	0	0.0	1	25.0	0	0.0	2	50.0
		20-24	546	76	13.9	119	60	50.4	2	1.7	31	26.1	18	15.1	8	6.7
		25-29	466	127	27.3	230	139	60.4	3	1.3	38	16.5	42	18.3	8	3.5
		30-34	291	123	42.3	270	181	67.0	3	1.1	50	18.5	30	11.1	6	2.2
		35+	125	73	58.4	174	111	63.8	5	2.9	32	18.4	25	14.4	1	0.6
	Years since diagnosis	5-9	200	8	4.0	13	4	30.8	1	7.7	2	15.4	4	30.8	2	15.4
		10-14	708	84	11.9	140	88	62.9	2	1.4	16	11.4	29	20.7	5	3.6
		15-19	643	151	23.5	307	185	60.3	4	1.3	62	20.2	44	14.3	12	3.9
		20+	487	161	33.1	338	215	63.6	6	1.8	72	21.3	39	11.5	6	1.8
	Age at diagnosis	<1	90	4	4.4	11	6	54.5	0	0.0	3	27.3	1	9.1	1	9.1
		1-4	624	36	5.8	53	28	52.8	0	0.0	11	20.8	11	20.8	3	5.7
		5-9	619	103	16.6	194	113	58.2	2	1.0	49	25.3	22	11.3	8	4.1
		10-14	497	162	32.6	326	209	64.1	8	2.5	52	16.0	51	15.6	6	1.8
		15-20	208	99	47.6	214	136	63.6	3	1.4	37	17.3	31	14.5	7	3.3
	Treatment	Surgery only	623	199	31.9	400	246	61.5	8	2.0	80	20.0	56	14.0	10	2.5
		Chemotherapy, no radiation	164	17	10.4	47	27	57.4	0	0.0	12	25.5	5	10.6	3	6.4
		Radiation, no chemotherapy	555	113	20.4	223	133	59.6	4	1.8	43	19.3	37	16.6	6	2.7
		Chemotherapy and radiation	507	42	8.3	63	37	58.7	0	0.0	8	12.7	13	20.6	5	7.9
		Unknown	189	33	17.5	65	49	75.4	1	1.5	9	13.8	5	7.7	1	1.5

CCSS data from Jan2020 data freeze

Based on items in M11/N8

¹ Indicates at least one pregnancy for the survivor. Denominator for percentage is all cases.

² Reported outcomes for all pregnancies, including multiple pregnancies per survivor. Denominator for percentages is all pregnancies

³ Unknown includes pregnancies with outcome unknown or currently pregnant

n=7 participants with no baseline information are not included

Pregnancy Outcomes: Astrocytomas

Pregnancies in female survivors or female partners of male survivors

11

							Pregnancy Outcome ²										
				Any pregnancy ¹			Live Births		Stillbirths		Miscarriages		Abortions		Unknown ³		
				All cases	N	%	Total # pregnancies	N	%	N	%	N	%	N	%	N	%
Both sexes	All cases		2688	517	19.2	978	642	65.6	12	1.2	169	17.3	119	12.2	36	3.7	
	Age at baseline	<18	528	1	0.2	1	1	100.0	0	0.0	0	0.0	0	0.0	0	0.0	
		18-19	215	5	2.3	5	3	60.0	0	0.0	1	20.0	1	20.0	0	0.0	
		20-24	713	84	11.8	130	70	53.8	2	1.5	31	23.8	17	13.1	10	7.7	
		25-29	664	178	26.8	307	192	62.5	2	0.7	48	15.6	54	17.6	11	3.6	
		30-34	386	152	39.4	323	220	68.1	3	0.9	59	18.3	29	9.0	12	3.7	
		35+	182	97	53.3	212	156	73.6	5	2.4	30	14.2	18	8.5	3	1.4	
	Years since diagnosis	5-9	237	14	5.9	26	12	46.2	1	3.8	5	19.2	5	19.2	3	11.5	
		10-14	906	96	10.6	156	104	66.7	0	0.0	17	10.9	30	19.2	5	3.2	
		15-19	831	188	22.6	355	223	62.8	4	1.1	69	19.4	42	11.8	17	4.8	
		20+	714	219	30.7	441	303	68.7	7	1.6	78	17.7	42	9.5	11	2.5	
	Age at diagnosis	<1	150	2	1.3	7	2	28.6	0	0.0	3	42.9	1	14.3	1	14.3	
		1-4	801	62	7.7	86	49	57.0	1	1.2	16	18.6	15	17.4	5	5.8	
		5-9	793	130	16.4	239	146	61.1	2	0.8	54	22.6	27	11.3	10	4.2	
		10-14	641	192	30.0	373	255	68.4	7	1.9	51	13.7	50	13.4	10	2.7	
		15-20	303	131	43.2	273	190	69.6	2	0.7	45	16.5	26	9.5	10	3.7	
	Treatment	Surgery only	1047	283	27.0	532	348	65.4	6	1.1	94	17.7	72	13.5	12	2.3	
		Chemotherapy, no radiation	255	30	11.8	61	44	72.1	1	1.6	8	13.1	2	3.3	6	9.8	
		Radiation, no chemotherapy	730	131	17.9	249	159	63.9	4	1.6	44	17.7	30	12.0	12	4.8	
		Chemotherapy and radiation	371	25	6.7	47	32	68.1	0	0.0	7	14.9	6	12.8	2	4.3	
		Unknown	285	48	16.8	89	59	66.3	1	1.1	16	18.0	9	10.1	4	4.5	
Males	All cases		1405	215	15.3	375	266	70.9	2	0.5	53	14.1	39	10.4	15	4.0	
	Age at baseline	<18	279	1	0.4	1	1	100.0	0	0.0	0	0.0	0	0.0	0	0.0	
		18-19	109	3	2.8	3	2	66.7	0	0.0	0	0.0	1	33.3	0	0.0	
		20-24	354	25	7.1	35	25	71.4	0	0.0	6	17.1	2	5.7	2	5.7	
		25-29	371	83	22.4	137	93	67.9	1	0.7	19	13.9	20	14.6	4	2.9	
		30-34	195	58	29.7	106	71	67.0	0	0.0	19	17.9	9	8.5	7	6.6	
		35+	97	45	46.4	93	74	79.6	1	1.1	9	9.7	7	7.5	2	2.2	
	Years since diagnosis	5-9	125	7	5.6	14	9	64.3	0	0.0	3	21.4	1	7.1	1	7.1	
		10-14	479	40	8.4	57	42	73.7	0	0.0	5	8.8	8	14.0	2	3.5	
		15-19	422	76	18.0	124	80	64.5	0	0.0	22	17.7	16	12.9	6	4.8	
		20+	379	92	24.3	180	135	75.0	2	1.1	23	12.8	14	7.8	6	3.3	
	Age at diagnosis	<1	86	.	.	.	.	.	.	.	.	.	.	.	.	.
		1-4	403	31	7.7	43	27	62.8	1	2.3	7	16.3	6	14.0	2	4.7	
		5-9	421	47	11.2	78	51	65.4	0	0.0	13	16.7	9	11.5	5	6.4	
		10-14	328	79	24.1	148	106	71.6	1	0.7	20	13.5	16	10.8	5	3.4	
		15-20	167	58	34.7	106	82	77.4	0	0.0	13	12.3	8	7.5	3	2.8	
	Treatment	Surgery only	524	114	21.8	200	142	71.0	1	0.5	27	13.5	28	14.0	2	1.0	
		Chemotherapy, no radiation	142	19	13.4	36	28	77.8	1	2.8	3	8.3	1	2.8	3	8.3	
		Radiation, no chemotherapy	370	49	13.2	81	62	76.5	0	0.0	10	12.3	2	2.5	7	8.6	
		Chemotherapy and radiation	211	9	4.3	18	11	61.1	0	0.0	4	22.2	3	16.7	0	0.0	
		Unknown	158	24	15.2	40	23	57.5	0	0.0	9	22.5	5	12.5	3	7.5	
Females	All cases		1283	302	23.5	603	376	62.4	10	1.7	116	19.2	80	13.3	21	3.5	

CCSS data from Jan2020 data freeze

Based on items in M11/N8

¹ Indicates at least one pregnancy for the survivor. Denominator for percentage is all cases.

² Reported outcomes for all pregnancies, including multiple pregnancies per survivor. Denominator for percentages is all pregnancies

³ Unknown includes pregnancies with outcome unknown or currently pregnant

n=7 participants with no baseline information are not included

Pregnancy Outcomes: Astrocytomas

Pregnancies in female survivors or female partners of male survivors

12

							Pregnancy Outcome ²									
				Any pregnancy ¹			Live Births		Stillbirths		Miscarriages		Abortions		Unknown ³	
			All cases	N	%	Total # pregnancies	N	%	N	%	N	%	N	%	N	%
	Age at baseline	<18	249	.	.	.	.	.	.	.	.	.	.	.	.	.
		18-19	106	2	1.9	2	1	50.0	0	0.0	1	50.0	0	0.0	0	0.0
		20-24	359	59	16.4	95	45	47.4	2	2.1	25	26.3	15	15.8	8	8.4
		25-29	293	95	32.4	170	99	58.2	1	0.6	29	17.1	34	20.0	7	4.1
		30-34	191	94	49.2	217	149	68.7	3	1.4	40	18.4	20	9.2	5	2.3
		35+	85	52	61.2	119	82	68.9	4	3.4	21	17.6	11	9.2	1	0.8
	Years since diagnosis	5-9	112	7	6.3	12	3	25.0	1	8.3	2	16.7	4	33.3	2	16.7
		10-14	427	56	13.1	99	62	62.6	0	0.0	12	12.1	22	22.2	3	3.0
		15-19	409	112	27.4	231	143	61.9	4	1.7	47	20.3	26	11.3	11	4.8
		20+	335	127	37.9	261	168	64.4	5	1.9	55	21.1	28	10.7	5	1.9
	Age at diagnosis	<1	64	2	3.1	7	2	28.6	0	0.0	3	42.9	1	14.3	1	14.3
		1-4	398	31	7.8	43	22	51.2	0	0.0	9	20.9	9	20.9	3	7.0
		5-9	372	83	22.3	161	95	59.0	2	1.2	41	25.5	18	11.2	5	3.1
		10-14	313	113	36.1	225	149	66.2	6	2.7	31	13.8	34	15.1	5	2.2
		15-20	136	73	53.7	167	108	64.7	2	1.2	32	19.2	18	10.8	7	4.2
	Treatment	Surgery only	523	169	32.3	332	206	62.0	5	1.5	67	20.2	44	13.3	10	3.0
		Chemotherapy, no radiation	113	11	9.7	25	16	64.0	0	0.0	5	20.0	1	4.0	3	12.0
		Radiation, no chemotherapy	360	82	22.8	168	97	57.7	4	2.4	34	20.2	28	16.7	5	3.0
		Chemotherapy and radiation	160	16	10.0	29	21	72.4	0	0.0	3	10.3	3	10.3	2	6.9
		Unknown	127	24	18.9	49	36	73.5	1	2.0	7	14.3	4	8.2	1	2.0

CCSS data from Jan2020 data freeze

Based on items in M11/N8

¹ Indicates at least one pregnancy for the survivor. Denominator for percentage is all cases.

² Reported outcomes for all pregnancies, including multiple pregnancies per survivor. Denominator for percentages is all pregnancies

³ Unknown includes pregnancies with outcome unknown or currently pregnant

n=7 participants with no baseline information are not included

Pregnancy Outcomes: Medulloblastoma/PNET
Pregnancies in female survivors or female partners of male survivors

13

							Pregnancy Outcome ²									
				Any pregnancy ¹			Live Births		Stillbirths		Miscarriages		Abortions		Unknown ³	
			All cases	N	%	Total # pregnancies	N	%	N	%	N	%	N	%	N	%
Both sexes	All cases		1040	66	6.3	101	68	67.3	0	0.0	11	10.9	14	13.9	8	7.9
	Age at baseline	<18	246	1	0.4	1	0	0.0	0	0.0	0	0.0	1	100.0	0	0.0
		18-19	83	2	2.4	2	0	0.0	0	0.0	0	0.0	1	50.0	1	50.0
		20-24	291	4	1.4	8	5	62.5	0	0.0	2	25.0	1	12.5	0	0.0
		25-29	252	21	8.3	34	22	64.7	0	0.0	6	17.6	3	8.8	3	8.8
		30-34	131	28	21.4	41	28	68.3	0	0.0	2	4.9	7	17.1	4	9.8
		35+	37	10	27.0	15	13	86.7	0	0.0	1	6.7	1	6.7	0	0.0
	Years since diagnosis	5-9	124	.	.	.	.	.	.	.	.	.	.	.	.	.
		10-14	355	12	3.4	17	8	47.1	0	0.0	3	17.6	3	17.6	3	17.6
		15-19	344	32	9.3	46	28	60.9	0	0.0	5	10.9	9	19.6	4	8.7
		20+	217	22	10.1	38	32	84.2	0	0.0	3	7.9	2	5.3	1	2.6
	Age at diagnosis	<1	28	1	3.6	3	3	100.0	0	0.0	0	0.0	0	0.0	0	0.0
		1-4	298	3	1.0	7	5	71.4	0	0.0	2	28.6	0	0.0	0	0.0
		5-9	422	18	4.3	25	13	52.0	0	0.0	2	8.0	7	28.0	3	12.0
		10-14	230	30	13.0	43	34	79.1	0	0.0	5	11.6	2	4.7	2	4.7
		15-20	62	14	22.6	23	13	56.5	0	0.0	2	8.7	5	21.7	3	13.0
	Treatment	Surgery only	8	2	25.0	3	3	100.0	0	0.0	0	0.0	0	0.0	0	0.0
		Chemotherapy, no radiation	53	3	5.7	9	5	55.6	0	0.0	2	22.2	2	22.2	0	0.0
		Radiation, no chemotherapy	208	21	10.1	34	25	73.5	0	0.0	3	8.8	3	8.8	3	8.8
		Chemotherapy and radiation	692	34	4.9	46	28	60.9	0	0.0	5	10.9	8	17.4	5	10.9
		Unknown	79	6	7.6	9	7	77.8	0	0.0	1	11.1	1	11.1	0	0.0
Males	All cases		632	34	5.4	53	37	69.8	0	0.0	5	9.4	6	11.3	5	9.4
	Age at baseline	<18	147	.	.	.	.	.	.	.	.	.	.	.	.	.
		18-19	47	1	2.1	1	0	0.0	0	0.0	0	0.0	1	100.0	0	0.0
		20-24	185	2	1.1	3	0	0.0	0	0.0	2	66.7	1	33.3	0	0.0
		25-29	157	9	5.7	14	9	64.3	0	0.0	2	14.3	1	7.1	2	14.3
		30-34	73	15	20.5	23	17	73.9	0	0.0	0	0.0	3	13.0	3	13.0
		35+	23	7	30.4	12	11	91.7	0	0.0	1	8.3	0	0.0	0	0.0
	Years since diagnosis	5-9	76	.	.	.	.	.	.	.	.	.	.	.	.	.
		10-14	208	5	2.4	9	3	33.3	0	0.0	3	33.3	1	11.1	2	22.2
		15-19	217	17	7.8	23	14	60.9	0	0.0	1	4.3	5	21.7	3	13.0
		20+	131	12	9.2	21	20	95.2	0	0.0	1	4.8	0	0.0	0	0.0
	Age at diagnosis	<1	16	.	.	.	.	.	.	.	.	.	.	.	.	.
		1-4	180	2	1.1	3	3	100.0	0	0.0	0	0.0	0	0.0	0	0.0
		5-9	267	10	3.7	14	9	64.3	0	0.0	1	7.1	3	21.4	1	7.1
		10-14	132	14	10.6	20	15	75.0	0	0.0	3	15.0	1	5.0	1	5.0
		15-20	37	8	21.6	16	10	62.5	0	0.0	1	6.3	2	12.5	3	18.8
	Treatment	Surgery only	5	2	40.0	3	3	100.0	0	0.0	0	0.0	0	0.0	0	0.0
		Chemotherapy, no radiation	27	1	3.7	2	0	0.0	0	0.0	0	0.0	2	100.0	0	0.0
		Radiation, no chemotherapy	115	12	10.4	17	10	58.8	0	0.0	2	11.8	2	11.8	3	17.6
		Chemotherapy and radiation	437	16	3.7	25	18	72.0	0	0.0	3	12.0	2	8.0	2	8.0
		Unknown	48	3	6.3	6	6	100.0	0	0.0	0	0.0	0	0.0	0	0.0
Females	All cases		408	32	7.8	48	31	64.6	0	0.0	6	12.5	8	16.7	3	6.3

CCSS data from Jan2020 data freeze

Based on items in M11/N8

¹ Indicates at least one pregnancy for the survivor. Denominator for percentage is all cases.

² Reported outcomes for all pregnancies, including multiple pregnancies per survivor. Denominator for percentages is all pregnancies

³ Unknown includes pregnancies with outcome unknown or currently pregnant

n=7 participants with no baseline information are not included

Pregnancy Outcomes: Medulloblastoma/PNET
Pregnancies in female survivors or female partners of male survivors

14

							Pregnancy Outcome ²									
				Any pregnancy ¹			Live Births		Stillbirths		Miscarriages		Abortions		Unknown ³	
			All cases	N	%	Total # pregnancies	N	%	N	%	N	%	N	%	N	%
	Age at baseline	<18	99	1	1.0	1	0	0.0	0	0.0	0	0.0	1	100.0	0	0.0
		18-19	36	1	2.8	1	0	0.0	0	0.0	0	0.0	0	0.0	1	100.0
		20-24	106	2	1.9	5	5	100.0	0	0.0	0	0.0	0	0.0	0	0.0
		25-29	95	12	12.6	20	13	65.0	0	0.0	4	20.0	2	10.0	1	5.0
		30-34	58	13	22.4	18	11	61.1	0	0.0	2	11.1	4	22.2	1	5.6
		35+	14	3	21.4	3	2	66.7	0	0.0	0	0.0	1	33.3	0	0.0
	Years since diagnosis	5-9	48	.	.	.	.	.	.	.	.	.	.	.	.	.
		10-14	147	7	4.8	8	5	62.5	0	0.0	0	0.0	2	25.0	1	12.5
		15-19	127	15	11.8	23	14	60.9	0	0.0	4	17.4	4	17.4	1	4.3
		20+	86	10	11.6	17	12	70.6	0	0.0	2	11.8	2	11.8	1	5.9
	Age at diagnosis	<1	12	1	8.3	3	3	100.0	0	0.0	0	0.0	0	0.0	0	0.0
		1-4	118	1	0.8	4	2	50.0	0	0.0	2	50.0	0	0.0	0	0.0
		5-9	155	8	5.2	11	4	36.4	0	0.0	1	9.1	4	36.4	2	18.2
		10-14	98	16	16.3	23	19	82.6	0	0.0	2	8.7	1	4.3	1	4.3
		15-20	25	6	24.0	7	3	42.9	0	0.0	1	14.3	3	42.9	0	0.0
	Treatment	Surgery only	3	.	.	.	.	.	.	.	.	.	.	.	.	.
		Chemotherapy, no radiation	26	2	7.7	7	5	71.4	0	0.0	2	28.6	0	0.0	0	0.0
		Radiation, no chemotherapy	93	9	9.7	17	15	88.2	0	0.0	1	5.9	1	5.9	0	0.0
		Chemotherapy and radiation	255	18	7.1	21	10	47.6	0	0.0	2	9.5	6	28.6	3	14.3
		Unknown	31	3	9.7	3	1	33.3	0	0.0	1	33.3	1	33.3	0	0.0

CCSS data from Jan2020 data freeze

Based on items in M11/N8

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² Reported outcomes for all pregnancies, including multiple pregnancies per survivor. Denominator for percentages is all pregnancies

³ Unknown includes pregnancies with outcome unknown or currently pregnant

n=7 participants with no baseline information are not included

Pregnancy Outcomes: Hodgkin

Pregnancies in female survivors or female partners of male survivors

15

							Pregnancy Outcome ²									
				Any pregnancy ¹			Live Births		Stillbirths		Miscarriages		Abortions		Unknown ³	
			All cases	N	%	Total # pregnancies	N	%	N	%	N	%	N	%	N	%
Both sexes	All cases		3107	1297	41.7	2953	2026	68.6	32	1.1	440	14.9	350	11.9	105	3.6
	Age at baseline	<18	61	1	1.6	1	0	0.0	0	0.0	0	0.0	0	0.0	1	100.0
		18-19	62	6	9.7	7	3	42.9	0	0.0	4	57.1	0	0.0	0	0.0
		20-24	376	67	17.8	106	59	55.7	0	0.0	13	12.3	24	22.6	10	9.4
		25-29	798	286	35.8	559	353	63.1	8	1.4	82	14.7	70	12.5	46	8.2
		30-34	949	434	45.7	979	689	70.4	7	0.7	137	14.0	122	12.5	24	2.5
		35+	861	503	58.4	1301	922	70.9	17	1.3	204	15.7	134	10.3	24	1.8
	Years since diagnosis	5-9	242	49	20.2	81	42	51.9	0	0.0	12	14.8	10	12.3	17	21.0
		10-14	947	324	34.2	650	418	64.3	7	1.1	95	14.6	95	14.6	35	5.4
		15-19	1010	469	46.4	1064	753	70.8	11	1.0	151	14.2	113	10.6	36	3.4
		20+	908	455	50.1	1158	813	70.2	14	1.2	182	15.7	132	11.4	17	1.5
	Age at diagnosis	1-4	84	12	14.3	17	7	41.2	0	0.0	4	23.5	5	29.4	1	5.9
		5-9	421	95	22.6	184	112	60.9	0	0.0	35	19.0	26	14.1	11	6.0
		10-14	1118	440	39.4	1021	704	69.0	16	1.6	145	14.2	125	12.2	31	3.0
		15-20	1484	750	50.5	1731	1203	69.5	16	0.9	256	14.8	194	11.2	62	3.6
	Treatment	Surgery only	2	.	.	.	.	.	.	.	.	.	.	.	.	.
		Chemotherapy, no radiation	363	141	38.8	352	231	65.6	4	1.1	55	15.6	49	13.9	13	3.7
		Radiation, no chemotherapy	651	354	54.4	801	541	67.5	12	1.5	118	14.7	103	12.9	27	3.4
		Chemotherapy and radiation	1759	666	37.9	1484	1029	69.3	16	1.1	222	15.0	165	11.1	52	3.5
		Unknown	332	136	41.0	316	225	71.2	0	0.0	45	14.2	33	10.4	13	4.1
Males	All cases		1631	442	27.1	913	642	70.3	9	1.0	128	14.0	84	9.2	50	5.5
	Age at baseline	<18	46	1	2.2	1	0	0.0	0	0.0	0	0.0	0	0.0	1	100.0
		18-19	49	5	10.2	6	2	33.3	0	0.0	4	66.7	0	0.0	0	0.0
		20-24	239	28	11.7	44	20	45.5	0	0.0	6	13.6	11	25.0	7	15.9
		25-29	445	93	20.9	164	99	60.4	2	1.2	28	17.1	19	11.6	16	9.8
		30-34	480	148	30.8	298	220	73.8	1	0.3	39	13.1	23	7.7	15	5.0
		35+	372	167	44.9	400	301	75.3	6	1.5	51	12.8	31	7.8	11	2.8
	Years since diagnosis	5-9	138	15	10.9	23	9	39.1	0	0.0	4	17.4	3	13.0	7	30.4
		10-14	492	96	19.5	163	101	62.0	1	0.6	31	19.0	17	10.4	13	8.0
		15-19	539	160	29.7	330	244	73.9	1	0.3	40	12.1	22	6.7	23	7.0
		20+	462	171	37.0	397	288	72.5	7	1.8	53	13.4	42	10.6	7	1.8
	Age at diagnosis	1-4	63	8	12.7	11	3	27.3	0	0.0	2	18.2	5	45.5	1	9.1
		5-9	305	53	17.4	99	56	56.6	0	0.0	17	17.2	17	17.2	9	9.1
		10-14	579	133	23.0	276	197	71.4	3	1.1	45	16.3	19	6.9	12	4.3
		15-20	684	248	36.3	527	386	73.2	6	1.1	64	12.1	43	8.2	28	5.3
	Treatment	Surgery only	1	.	.	.	.	.	.	.	.	.	.	.	.	.
		Chemotherapy, no radiation	186	44	23.7	108	76	70.4	1	0.9	16	14.8	10	9.3	5	4.6
		Radiation, no chemotherapy	336	148	44.0	317	222	70.0	3	0.9	44	13.9	36	11.4	12	3.8
		Chemotherapy and radiation	911	198	21.7	389	274	70.4	5	1.3	55	14.1	29	7.5	26	6.7
		Unknown	197	52	26.4	99	70	70.7	0	0.0	13	13.1	9	9.1	7	7.1
Females	All cases		1476	855	57.9	2040	1384	67.8	23	1.1	312	15.3	266	13.0	55	2.7
	Age at baseline	<18	15	.	.	.	.	.	.	.	.	.	.	.	.	.
		18-19	13	1	7.7	1	1	100.0	0	0.0	0	0.0	0	0.0	0	0.0

CCSS data from Jan2020 data freeze

Based on items in M11/N8

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Pregnancy Outcomes: Hodgkin

Pregnancies in female survivors or female partners of male survivors

16

							Pregnancy Outcome ²									
			Any pregnancy ¹				Live Births		Stillbirths		Miscarriages		Abortions		Unknown ³	
			All cases	N	%	Total # pregnancies	N	%	N	%	N	%	N	%	N	%
		20-24	137	39	28.5	62	39	62.9	0	0.0	7	11.3	13	21.0	3	4.8
		25-29	353	193	54.7	395	254	64.3	6	1.5	54	13.7	51	12.9	30	7.6
		30-34	469	286	61.0	681	469	68.9	6	0.9	98	14.4	99	14.5	9	1.3
		35+	489	336	68.7	901	621	68.9	11	1.2	153	17.0	103	11.4	13	1.4
	Years since diagnosis	5-9	104	34	32.7	58	33	56.9	0	0.0	8	13.8	7	12.1	10	17.2
		10-14	455	228	50.1	487	317	65.1	6	1.2	64	13.1	78	16.0	22	4.5
		15-19	471	309	65.6	734	509	69.3	10	1.4	111	15.1	91	12.4	13	1.8
		20+	446	284	63.7	761	525	69.0	7	0.9	129	17.0	90	11.8	10	1.3
	Age at diagnosis	1-4	21	4	19.0	6	4	66.7	0	0.0	2	33.3	0	0.0	0	0.0
		5-9	116	42	36.2	85	56	65.9	0	0.0	18	21.2	9	10.6	2	2.4
		10-14	539	307	57.0	745	507	68.1	13	1.7	100	13.4	106	14.2	19	2.6
		15-20	800	502	62.8	1204	817	67.9	10	0.8	192	15.9	151	12.5	34	2.8
	Treatment	Surgery only	1	.	.	.	.	.	.	.	.	.	.	.	.	.
		Chemotherapy, no radiation	177	97	54.8	244	155	63.5	3	1.2	39	16.0	39	16.0	8	3.3
		Radiation, no chemotherapy	315	206	65.4	484	319	65.9	9	1.9	74	15.3	67	13.8	15	3.1
		Chemotherapy and radiation	848	468	55.2	1095	755	68.9	11	1.0	167	15.3	136	12.4	26	2.4
		Unknown	135	84	62.2	217	155	71.4	0	0.0	32	14.7	24	11.1	6	2.8

CCSS data from Jan2020 data freeze

Based on items in M11/N8

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Pregnancy Outcomes: NHL

Pregnancies in female survivors or female partners of male survivors

17

							Pregnancy Outcome ²										
				Any pregnancy ¹			Live Births		Stillbirths		Miscarriages		Abortions		Unknown ³		
				All cases	N	%	Total # pregnancies	N	%	N	%	N	%	N	%	N	%
Both sexes	All cases		2114	670	31.7		1461	1003	68.7	13	0.9	225	15.4	164	11.2	56	3.8
	Age at baseline	<18	212	.	.		.	.	.	.	.	.	.	.	.	.	.
		18-19	132	2	1.5		2	0	0.0	0	0.0	1	50.0	1	50.0	0	0.0
		20-24	469	77	16.4		119	64	53.8	0	0.0	22	18.5	22	18.5	11	9.2
		25-29	569	200	35.1		386	266	68.9	6	1.6	53	13.7	40	10.4	21	5.4
		30-34	483	230	47.6		525	385	73.3	4	0.8	70	13.3	52	9.9	14	2.7
		35+	249	161	64.7		429	288	67.1	3	0.7	79	18.4	49	11.4	10	2.3
	Years since diagnosis	5-9	144	5	3.5		7	4	57.1	0	0.0	1	14.3	2	28.6	0	0.0
		10-14	672	153	22.8		289	191	66.1	2	0.7	44	15.2	39	13.5	13	4.5
		15-19	730	250	34.2		517	382	73.9	6	1.2	64	12.4	47	9.1	18	3.5
		20+	568	262	46.1		648	426	65.7	5	0.8	116	17.9	76	11.7	25	3.9
	Age at diagnosis	<1	15	.	.		.	.	.	.	.	.	.	.	.	.	.
		1-4	344	34	9.9		67	34	50.7	1	1.5	14	20.9	11	16.4	7	10.4
		5-9	647	148	22.9		300	189	63.0	3	1.0	52	17.3	39	13.0	17	5.7
		10-14	674	259	38.4		577	404	70.0	2	0.3	86	14.9	63	10.9	22	3.8
		15-20	434	229	52.8		517	376	72.7	7	1.4	73	14.1	51	9.9	10	1.9
	Treatment	Surgery only	16	6	37.5		14	13	92.9	0	0.0	1	7.1	0	0.0	0	0.0
		Chemotherapy, no radiation	1075	359	33.4		730	510	69.9	2	0.3	106	14.5	74	10.1	38	5.2
		Radiation, no chemotherapy	38	25	65.8		69	48	69.6	3	4.3	12	17.4	4	5.8	2	2.9
		Chemotherapy and radiation	766	211	27.5		469	315	67.2	6	1.3	75	16.0	63	13.4	10	2.1
		Unknown	219	69	31.5		179	117	65.4	2	1.1	31	17.3	23	12.8	6	3.4
Males	All cases		1436	387	26.9		792	568	71.7	5	0.6	107	13.5	81	10.2	31	3.9
	Age at baseline	<18	146	.	.		.	.	.	.	.	.	.	.	.	.	.
		18-19	97	1	1.0		1	0	0.0	0	0.0	0	0.0	1	100.0	0	0.0
		20-24	304	28	9.2		38	17	44.7	0	0.0	6	15.8	9	23.7	6	15.8
		25-29	405	118	29.1		216	156	72.2	2	0.9	29	13.4	19	8.8	10	4.6
		30-34	319	138	43.3		274	216	78.8	1	0.4	24	8.8	25	9.1	8	2.9
		35+	165	102	61.8		263	179	68.1	2	0.8	48	18.3	27	10.3	7	2.7
	Years since diagnosis	5-9	109	3	2.8		4	3	75.0	0	0.0	0	0.0	1	25.0	0	0.0
		10-14	457	79	17.3		143	102	71.3	0	0.0	19	13.3	16	11.2	6	4.2
		15-19	480	139	29.0		261	202	77.4	2	0.8	28	10.7	20	7.7	9	3.4
		20+	390	166	42.6		384	261	68.0	3	0.8	60	15.6	44	11.5	16	4.2
	Age at diagnosis	<1	5	.	.		.	.	.	.	.	.	.	.	.	.	.
		1-4	232	14	6.0		25	15	60.0	0	0.0	3	12.0	5	20.0	2	8.0
		5-9	451	81	18.0		151	93	61.6	3	2.0	25	16.6	18	11.9	12	7.9
		10-14	463	151	32.6		303	230	75.9	0	0.0	31	10.2	30	9.9	12	4.0
		15-20	285	141	49.5		313	230	73.5	2	0.6	48	15.3	28	8.9	5	1.6
	Treatment	Surgery only	13	6	46.2		14	13	92.9	0	0.0	1	7.1	0	0.0	0	0.0
		Chemotherapy, no radiation	727	212	29.2		416	294	70.7	1	0.2	55	13.2	46	11.1	20	4.8
		Radiation, no chemotherapy	28	17	60.7		43	37	86.0	2	4.7	3	7.0	1	2.3	0	0.0
		Chemotherapy and radiation	511	110	21.5		215	155	72.1	0	0.0	30	14.0	23	10.7	7	3.3
		Unknown	157	42	26.8		104	69	66.3	2	1.9	18	17.3	11	10.6	4	3.8
Females	All cases		678	283	41.7		669	435	65.0	8	1.2	118	17.6	83	12.4	25	3.7

CCSS data from Jan2020 data freeze

Based on items in M11/N8

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Pregnancy Outcomes: NHL

Pregnancies in female survivors or female partners of male survivors

18

							Pregnancy Outcome ²									
				Any pregnancy ¹			Live Births		Stillbirths		Miscarriages		Abortions		Unknown ³	
			All cases	N	%	Total # pregnancies	N	%	N	%	N	%	N	%	N	%
	Age at baseline	<18	66	.	.	.	.	.	.	.	.	.	.	.	.	.
		18-19	35	1	2.9	1	0	0.0	0	0.0	1	100.0	0	0.0	0	0.0
		20-24	165	49	29.7	81	47	58.0	0	0.0	16	19.8	13	16.0	5	6.2
		25-29	164	82	50.0	170	110	64.7	4	2.4	24	14.1	21	12.4	11	6.5
		30-34	164	92	56.1	251	169	67.3	3	1.2	46	18.3	27	10.8	6	2.4
		35+	84	59	70.2	166	109	65.7	1	0.6	31	18.7	22	13.3	3	1.8
	Years since diagnosis	5-9	35	2	5.7	3	1	33.3	0	0.0	1	33.3	1	33.3	0	0.0
		10-14	215	74	34.4	146	89	61.0	2	1.4	25	17.1	23	15.8	7	4.8
		15-19	250	111	44.4	256	180	70.3	4	1.6	36	14.1	27	10.5	9	3.5
		20+	178	96	53.9	264	165	62.5	2	0.8	56	21.2	32	12.1	9	3.4
	Age at diagnosis	<1	10	.	.	.	.	.	.	.	.	.	.	.	.	.
		1-4	112	20	17.9	42	19	45.2	1	2.4	11	26.2	6	14.3	5	11.9
		5-9	196	67	34.2	149	96	64.4	0	0.0	27	18.1	21	14.1	5	3.4
		10-14	211	108	51.2	274	174	63.5	2	0.7	55	20.1	33	12.0	10	3.6
		15-20	149	88	59.1	204	146	71.6	5	2.5	25	12.3	23	11.3	5	2.5
	Treatment	Surgery only	3	.	.	.	.	.	.	.	.	.	.	.	.	.
		Chemotherapy, no radiation	348	147	42.2	314	216	68.8	1	0.3	51	16.2	28	8.9	18	5.7
		Radiation, no chemotherapy	10	8	80.0	26	11	42.3	1	3.8	9	34.6	3	11.5	2	7.7
		Chemotherapy and radiation	255	101	39.6	254	160	63.0	6	2.4	45	17.7	40	15.7	3	1.2
		Unknown	62	27	43.5	75	48	64.0	0	0.0	13	17.3	12	16.0	2	2.7

CCSS data from Jan2020 data freeze

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Pregnancy Outcomes: Wilms

Pregnancies in female survivors or female partners of male survivors

19

							Pregnancy Outcome ²									
				Any pregnancy ¹			Live Births		Stillbirths		Miscarriages		Abortions		Unknown ³	
			All cases	N	%	Total # pregnancies	N	%	N	%	N	%	N	%	N	%
Both sexes	All cases		2274	372	16.4	689	400	58.1	9	1.3	119	17.3	114	16.5	47	6.8
	Age at baseline	<18	833	10	1.2	12	3	25.0	0	0.0	1	8.3	1	8.3	7	58.3
		18-19	306	26	8.5	37	16	43.2	1	2.7	8	21.6	12	32.4	0	0.0
		20-24	669	132	19.7	213	123	57.7	2	0.9	41	19.2	31	14.6	16	7.5
		25-29	374	147	39.3	299	177	59.2	6	2.0	53	17.7	46	15.4	17	5.7
		30-34	74	48	64.9	100	64	64.0	0	0.0	12	12.0	17	17.0	7	7.0
		35+	18	9	50.0	28	17	60.7	0	0.0	4	14.3	7	25.0	0	0.0
	Years since diagnosis	5-9	176	1	0.6	1	1	100.0	0	0.0	0	0.0	0	0.0	0	0.0
		10-14	740	29	3.9	51	21	41.2	1	2.0	8	15.7	16	31.4	5	9.8
		15-19	760	119	15.7	189	115	60.8	1	0.5	34	18.0	29	15.3	10	5.3
		20+	598	223	37.3	448	263	58.7	7	1.6	77	17.2	69	15.4	32	7.1
	Age at diagnosis	<1	330	32	9.7	53	30	56.6	1	1.9	9	17.0	7	13.2	6	11.3
		1-4	1395	200	14.3	367	209	56.9	5	1.4	71	19.3	59	16.1	23	6.3
		5-9	468	107	22.9	195	113	57.9	3	1.5	32	16.4	29	14.9	18	9.2
		10-14	58	22	37.9	47	32	68.1	0	0.0	5	10.6	10	21.3	0	0.0
		15-20	23	11	47.8	27	16	59.3	0	0.0	2	7.4	9	33.3	0	0.0
	Treatment	Surgery only	34	4	11.8	9	5	55.6	0	0.0	0	0.0	4	44.4	0	0.0
		Chemotherapy, no radiation	869	124	14.3	229	140	61.1	1	0.4	33	14.4	38	16.6	17	7.4
		Radiation, no chemotherapy	4	2	50.0	2	0	0.0	0	0.0	1	50.0	0	0.0	1	50.0
		Chemotherapy and radiation	1153	190	16.5	345	196	56.8	6	1.7	69	20.0	54	15.7	20	5.8
		Unknown	214	52	24.3	104	59	56.7	2	1.9	16	15.4	18	17.3	9	8.7
Males	All cases		1020	123	12.1	221	130	58.8	3	1.4	36	16.3	37	16.7	15	6.8
	Age at baseline	<18	404	3	0.7	3	1	33.3	0	0.0	0	0.0	0	0.0	2	66.7
		18-19	127	7	5.5	9	4	44.4	0	0.0	1	11.1	4	44.4	0	0.0
		20-24	285	39	13.7	60	31	51.7	0	0.0	17	28.3	7	11.7	5	8.3
		25-29	166	49	29.5	91	57	62.6	3	3.3	10	11.0	16	17.6	5	5.5
		30-34	30	21	70.0	47	28	59.6	0	0.0	6	12.8	10	21.3	3	6.4
		35+	8	4	50.0	11	9	81.8	0	0.0	2	18.2	0	0.0	0	0.0
	Years since diagnosis	5-9	79	.	.	.	.	.	.	.	.	.	.	.	.	.
		10-14	334	7	2.1	9	5	55.6	0	0.0	0	0.0	2	22.2	2	22.2
		15-19	336	30	8.9	46	24	52.2	0	0.0	11	23.9	10	21.7	1	2.2
		20+	271	86	31.7	166	101	60.8	3	1.8	25	15.1	25	15.1	12	7.2
	Age at diagnosis	<1	168	9	5.4	15	8	53.3	1	6.7	2	13.3	1	6.7	3	20.0
		1-4	629	66	10.5	121	69	57.0	1	0.8	22	18.2	21	17.4	8	6.6
		5-9	193	38	19.7	65	38	58.5	1	1.5	10	15.4	12	18.5	4	6.2
		10-14	21	8	38.1	17	13	76.5	0	0.0	2	11.8	2	11.8	0	0.0
		15-20	9	2	22.2	3	2	66.7	0	0.0	0	0.0	1	33.3	0	0.0
	Treatment	Surgery only	18	.	.	.	.	.	.	.	.	.	.	.	.	.
		Chemotherapy, no radiation	395	42	10.6	75	43	57.3	1	1.3	11	14.7	14	18.7	6	8.0
		Chemotherapy and radiation	499	60	12.0	111	70	63.1	1	0.9	20	18.0	16	14.4	4	3.6
		Unknown	108	21	19.4	35	17	48.6	1	2.9	5	14.3	7	20.0	5	14.3
Females	All cases		1254	249	19.9	468	270	57.7	6	1.3	83	17.7	77	16.5	32	6.8
	Age at baseline	<18	429	7	1.6	9	2	22.2	0	0.0	1	11.1	1	11.1	5	55.6

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Pregnancy Outcomes: Wilms

Pregnancies in female survivors or female partners of male survivors

20

							Pregnancy Outcome ²									
				Any pregnancy ¹			Live Births		Stillbirths		Miscarriages		Abortions		Unknown ³	
			All cases	N	%	Total # pregnancies	N	%	N	%	N	%	N	%	N	%
		18-19	179	19	10.6	28	12	42.9	1	3.6	7	25.0	8	28.6	0	0.0
		20-24	384	93	24.2	153	92	60.1	2	1.3	24	15.7	24	15.7	11	7.2
		25-29	208	98	47.1	208	120	57.7	3	1.4	43	20.7	30	14.4	12	5.8
		30-34	44	27	61.4	53	36	67.9	0	0.0	6	11.3	7	13.2	4	7.5
		35+	10	5	50.0	17	8	47.1	0	0.0	2	11.8	7	41.2	0	0.0
	Years since diagnosis	5-9	97	1	1.0	1	1	100.0	0	0.0	0	0.0	0	0.0	0	0.0
		10-14	406	22	5.4	42	16	38.1	1	2.4	8	19.0	14	33.3	3	7.1
		15-19	424	89	21.0	143	91	63.6	1	0.7	23	16.1	19	13.3	9	6.3
		20+	327	137	41.9	282	162	57.4	4	1.4	52	18.4	44	15.6	20	7.1
	Age at diagnosis	<1	162	23	14.2	38	22	57.9	0	0.0	7	18.4	6	15.8	3	7.9
		1-4	766	134	17.5	246	140	56.9	4	1.6	49	19.9	38	15.4	15	6.1
		5-9	275	69	25.1	130	75	57.7	2	1.5	22	16.9	17	13.1	14	10.8
		10-14	37	14	37.8	30	19	63.3	0	0.0	3	10.0	8	26.7	0	0.0
		15-20	14	9	64.3	24	14	58.3	0	0.0	2	8.3	8	33.3	0	0.0
	Treatment	Surgery only	16	4	25.0	9	5	55.6	0	0.0	0	0.0	4	44.4	0	0.0
		Chemotherapy, no radiation	474	82	17.3	154	97	63.0	0	0.0	22	14.3	24	15.6	11	7.1
		Radiation, no chemotherapy	4	2	50.0	2	0	0.0	0	0.0	1	50.0	0	0.0	1	50.0
		Chemotherapy and radiation	654	130	19.9	234	126	53.8	5	2.1	49	20.9	38	16.2	16	6.8
		Unknown	106	31	29.2	69	42	60.9	1	1.4	11	15.9	11	15.9	4	5.8

CCSS data from Jan2020 data freeze

Based on items in M11/N8

¹ Indicates at least one pregnancy for the survivor. Denominator for percentage is all cases.

² Reported outcomes for all pregnancies, including multiple pregnancies per survivor. Denominator for percentages is all pregnancies

³ Unknown includes pregnancies with outcome unknown or currently pregnant

n=7 participants with no baseline information are not included

Pregnancy Outcomes: Neuroblastoma

Pregnancies in female survivors or female partners of male survivors

21

							Pregnancy Outcome ²									
				Any pregnancy ¹			Live Births		Stillbirths		Miscarriages		Abortions		Unknown ³	
			All cases	N	%	Total # pregnancies	N	%	N	%	N	%	N	%	N	%
Both sexes	All cases		1947	198	10.2	349	206	59.0	0	0.0	56	16.0	60	17.2	27	7.7
	Age at baseline	<18	956	10	1.0	12	5	41.7	0	0.0	0	0.0	1	8.3	6	50.0
		18-19	237	22	9.3	32	18	56.3	0	0.0	6	18.8	6	18.8	2	6.3
		20-24	540	89	16.5	149	85	57.0	0	0.0	25	16.8	25	16.8	14	9.4
		25-29	170	54	31.8	102	60	58.8	0	0.0	17	16.7	20	19.6	5	4.9
		30-34	36	19	52.8	46	30	65.2	0	0.0	8	17.4	8	17.4	0	0.0
		35+	8	4	50.0	8	8	100.0	0	0.0	0	0.0	0	0.0	0	0.0
	Years since diagnosis	5-9	160	.	.	.	.	.	.	.	.	.	.	.	.	.
		10-14	609	10	1.6	17	9	52.9	0	0.0	2	11.8	3	17.6	3	17.6
		15-19	640	57	8.9	94	47	50.0	0	0.0	16	17.0	19	20.2	12	12.8
		20+	538	131	24.3	238	150	63.0	0	0.0	38	16.0	38	16.0	12	5.0
	Age at diagnosis	<1	989	78	7.9	140	82	58.6	0	0.0	21	15.0	26	18.6	11	7.9
		1-4	760	81	10.7	131	79	60.3	0	0.0	21	16.0	20	15.3	11	8.4
		5-9	149	25	16.8	50	25	50.0	0	0.0	11	22.0	10	20.0	4	8.0
		10-14	30	8	26.7	15	9	60.0	0	0.0	3	20.0	2	13.3	1	6.7
		15-20	19	6	31.6	13	11	84.6	0	0.0	0	0.0	2	15.4	0	0.0
	Treatment	Surgery only	545	66	12.1	110	66	60.0	0	0.0	18	16.4	15	13.6	11	10.0
		Chemotherapy, no radiation	559	38	6.8	74	44	59.5	0	0.0	16	21.6	8	10.8	6	8.1
		Radiation, no chemotherapy	138	21	15.2	32	20	62.5	0	0.0	2	6.3	7	21.9	3	9.4
		Chemotherapy and radiation	531	49	9.2	84	41	48.8	0	0.0	12	14.3	25	29.8	6	7.1
		Unknown	174	24	13.8	49	35	71.4	0	0.0	8	16.3	5	10.2	1	2.0
Males	All cases		949	47	5.0	72	47	65.3	0	0.0	9	12.5	15	20.8	1	1.4
	Age at baseline	<18	478	.	.	.	.	.	.	.	.	.	.	.	.	.
		18-19	104	4	3.8	5	3	60.0	0	0.0	0	0.0	2	40.0	0	0.0
		20-24	272	24	8.8	34	20	58.8	0	0.0	6	17.6	7	20.6	1	2.9
		25-29	78	15	19.2	25	19	76.0	0	0.0	2	8.0	4	16.0	0	0.0
		30-34	14	3	21.4	6	3	50.0	0	0.0	1	16.7	2	33.3	0	0.0
		35+	3	1	33.3	2	2	100.0	0	0.0	0	0.0	0	0.0	0	0.0
	Years since diagnosis	5-9	75	.	.	.	.	.	.	.	.	.	.	.	.	.
		10-14	303	1	0.3	1	1	100.0	0	0.0	0	0.0	0	0.0	0	0.0
		15-19	308	12	3.9	14	10	71.4	0	0.0	1	7.1	2	14.3	1	7.1
		20+	263	34	12.9	57	36	63.2	0	0.0	8	14.0	13	22.8	0	0.0
	Age at diagnosis	<1	514	23	4.5	37	20	54.1	0	0.0	6	16.2	11	29.7	0	0.0
		1-4	342	13	3.8	19	15	78.9	0	0.0	2	10.5	1	5.3	1	5.3
		5-9	74	8	10.8	12	8	66.7	0	0.0	1	8.3	3	25.0	0	0.0
		10-14	13	2	15.4	3	3	100.0	0	0.0	0	0.0	0	0.0	0	0.0
		15-20	6	1	16.7	1	1	100.0	0	0.0	0	0.0	0	0.0	0	0.0
	Treatment	Surgery only	261	16	6.1	27	14	51.9	0	0.0	4	14.8	9	33.3	0	0.0
		Chemotherapy, no radiation	277	6	2.2	6	5	83.3	0	0.0	1	16.7	0	0.0	0	0.0
		Radiation, no chemotherapy	62	5	8.1	8	5	62.5	0	0.0	1	12.5	2	25.0	0	0.0
		Chemotherapy and radiation	259	11	4.2	15	10	66.7	0	0.0	2	13.3	2	13.3	1	6.7
		Unknown	90	9	10.0	16	13	81.3	0	0.0	1	6.3	2	12.5	0	0.0
Females	All cases		998	151	15.1	277	159	57.4	0	0.0	47	17.0	45	16.2	26	9.4

CCSS data from Jan2020 data freeze

Based on items in M11/N8

¹ Indicates at least one pregnancy for the survivor. Denominator for percentage is all cases.

² Reported outcomes for all pregnancies, including multiple pregnancies per survivor. Denominator for percentages is all pregnancies

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Pregnancy Outcomes: Neuroblastoma

Pregnancies in female survivors or female partners of male survivors

22

							Pregnancy Outcome ²									
				Any pregnancy ¹			Live Births		Stillbirths		Miscarriages		Abortions		Unknown ³	
			All cases	N	%	Total # pregnancies	N	%	N	%	N	%	N	%	N	%
	Age at baseline	<18	478	10	2.1	12	5	41.7	0	0.0	0	0.0	1	8.3	6	50.0
		18-19	133	18	13.5	27	15	55.6	0	0.0	6	22.2	4	14.8	2	7.4
		20-24	268	65	24.3	115	65	56.5	0	0.0	19	16.5	18	15.7	13	11.3
		25-29	92	39	42.4	77	41	53.2	0	0.0	15	19.5	16	20.8	5	6.5
		30-34	22	16	72.7	40	27	67.5	0	0.0	7	17.5	6	15.0	0	0.0
		35+	5	3	60.0	6	6	100.0	0	0.0	0	0.0	0	0.0	0	0.0
	Years since diagnosis	5-9	85	.	.	.	.	.	.	.	.	.	.	.	.	.
		10-14	306	9	2.9	16	8	50.0	0	0.0	2	12.5	3	18.8	3	18.8
		15-19	332	45	13.6	80	37	46.3	0	0.0	15	18.8	17	21.3	11	13.8
		20+	275	97	35.3	181	114	63.0	0	0.0	30	16.6	25	13.8	12	6.6
	Age at diagnosis	<1	475	55	11.6	103	62	60.2	0	0.0	15	14.6	15	14.6	11	10.7
		1-4	418	68	16.3	112	64	57.1	0	0.0	19	17.0	19	17.0	10	8.9
		5-9	75	17	22.7	38	17	44.7	0	0.0	10	26.3	7	18.4	4	10.5
		10-14	17	6	35.3	12	6	50.0	0	0.0	3	25.0	2	16.7	1	8.3
		15-20	13	5	38.5	12	10	83.3	0	0.0	0	0.0	2	16.7	0	0.0
	Treatment	Surgery only	284	50	17.6	83	52	62.7	0	0.0	14	16.9	6	7.2	11	13.3
		Chemotherapy, no radiation	282	32	11.3	68	39	57.4	0	0.0	15	22.1	8	11.8	6	8.8
		Radiation, no chemotherapy	76	16	21.1	24	15	62.5	0	0.0	1	4.2	5	20.8	3	12.5
		Chemotherapy and radiation	272	38	14.0	69	31	44.9	0	0.0	10	14.5	23	33.3	5	7.2
		Unknown	84	15	17.9	33	22	66.7	0	0.0	7	21.2	3	9.1	1	3.0

CCSS data from Jan2020 data freeze

Based on items in M11/N8

¹ Indicates at least one pregnancy for the survivor. Denominator for percentage is all cases.

² Reported outcomes for all pregnancies, including multiple pregnancies per survivor. Denominator for percentages is all pregnancies

³ Unknown includes pregnancies with outcome unknown or currently pregnant

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Pregnancy Outcomes: STS

Pregnancies in female survivors or female partners of male survivors

23

							Pregnancy Outcome ²									
				Any pregnancy ¹			Live Births		Stillbirths		Miscarriages		Abortions		Unknown ³	
			All cases	N	%	Total # pregnancies	N	%	N	%	N	%	N	%	N	%
Both sexes	All cases		1756	450	25.6	965	639	66.2	9	0.9	149	15.4	132	13.7	36	3.7
	Age at baseline	<18	341	1	0.3	1	1	100.0	0	0.0	0	0.0	0	0.0	0	0.0
		18-19	125	8	6.4	10	5	50.0	0	0.0	2	20.0	2	20.0	1	10.0
		20-24	425	66	15.5	105	60	57.1	0	0.0	18	17.1	24	22.9	3	2.9
		25-29	392	122	31.1	239	138	57.7	1	0.4	41	17.2	38	15.9	21	8.8
		30-34	297	137	46.1	313	230	73.5	2	0.6	39	12.5	33	10.5	9	2.9
		35+	176	116	65.9	297	205	69.0	6	2.0	49	16.5	35	11.8	2	0.7
	Years since diagnosis	5-9	182	24	13.2	42	21	50.0	0	0.0	6	14.3	4	9.5	11	26.2
		10-14	521	87	16.7	161	107	66.5	2	1.2	19	11.8	27	16.8	6	3.7
		15-19	540	148	27.4	324	215	66.4	1	0.3	49	15.1	50	15.4	9	2.8
		20+	513	191	37.2	438	296	67.6	6	1.4	75	17.1	51	11.6	10	2.3
	Age at diagnosis	<1	124	9	7.3	15	9	60.0	0	0.0	3	20.0	3	20.0	0	0.0
		1-4	560	51	9.1	89	50	56.2	0	0.0	15	16.9	19	21.3	5	5.6
		5-9	397	84	21.2	165	109	66.1	1	0.6	29	17.6	23	13.9	3	1.8
		10-14	346	130	37.6	278	192	69.1	2	0.7	43	15.5	32	11.5	9	3.2
		15-20	329	176	53.5	418	279	66.7	6	1.4	59	14.1	55	13.2	19	4.5
	Treatment	Surgery only	171	80	46.8	212	141	66.5	4	1.9	38	17.9	24	11.3	5	2.4
		Chemotherapy, no radiation	359	104	29.0	209	131	62.7	1	0.5	33	15.8	37	17.7	7	3.3
		Radiation, no chemotherapy	63	30	47.6	71	46	64.8	1	1.4	10	14.1	13	18.3	1	1.4
		Chemotherapy and radiation	971	177	18.2	348	234	67.2	1	0.3	55	15.8	46	13.2	12	3.4
		Unknown	192	59	30.7	125	87	69.6	2	1.6	13	10.4	12	9.6	11	8.8
Males	All cases		949	168	17.7	354	251	70.9	4	1.1	50	14.1	34	9.6	15	4.2
	Age at baseline	<18	192	.	.	.	.	.	.	.	.	.	.	.	.	.
		18-19	66	5	7.6	6	1	16.7	0	0.0	2	33.3	2	33.3	1	16.7
		20-24	242	23	9.5	34	22	64.7	0	0.0	4	11.8	8	23.5	0	0.0
		25-29	207	34	16.4	59	36	61.0	0	0.0	11	18.6	6	10.2	6	10.2
		30-34	158	55	34.8	124	96	77.4	1	0.8	13	10.5	8	6.5	6	4.8
		35+	84	51	60.7	131	96	73.3	3	2.3	20	15.3	10	7.6	2	1.5
	Years since diagnosis	5-9	100	6	6.0	12	7	58.3	0	0.0	1	8.3	0	0.0	4	33.3
		10-14	288	25	8.7	51	37	72.5	0	0.0	6	11.8	6	11.8	2	3.9
		15-19	281	58	20.6	110	81	73.6	1	0.9	13	11.8	10	9.1	5	4.5
		20+	280	79	28.2	181	126	69.6	3	1.7	30	16.6	18	9.9	4	2.2
	Age at diagnosis	<1	52	3	5.8	3	1	33.3	0	0.0	1	33.3	1	33.3	0	0.0
		1-4	330	22	6.7	34	19	55.9	0	0.0	6	17.6	7	20.6	2	5.9
		5-9	224	33	14.7	64	44	68.8	1	1.6	11	17.2	8	12.5	0	0.0
		10-14	186	42	22.6	87	64	73.6	1	1.1	11	12.6	8	9.2	3	3.4
		15-20	157	68	43.3	166	123	74.1	2	1.2	21	12.7	10	6.0	10	6.0
	Treatment	Surgery only	74	31	41.9	87	63	72.4	1	1.1	13	14.9	7	8.0	3	3.4
		Chemotherapy, no radiation	211	48	22.7	86	59	68.6	0	0.0	11	12.8	14	16.3	2	2.3
		Radiation, no chemotherapy	32	13	40.6	33	22	66.7	1	3.0	7	21.2	2	6.1	1	3.0
		Chemotherapy and radiation	521	51	9.8	98	72	73.5	1	1.0	12	12.2	9	9.2	4	4.1
		Unknown	111	25	22.5	50	35	70.0	1	2.0	7	14.0	2	4.0	5	10.0
Females	All cases		807	282	34.9	611	388	63.5	5	0.8	99	16.2	98	16.0	21	3.4

CCSS data from Jan2020 data freeze

Based on items in M11/N8

¹ Indicates at least one pregnancy for the survivor. Denominator for percentage is all cases.

² Reported outcomes for all pregnancies, including multiple pregnancies per survivor. Denominator for percentages is all pregnancies

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Pregnancy Outcomes: STS

Pregnancies in female survivors or female partners of male survivors

24

							Pregnancy Outcome ²									
				Any pregnancy ¹			Live Births		Stillbirths		Miscarriages		Abortions		Unknown ³	
			All cases	N	%	Total # pregnancies	N	%	N	%	N	%	N	%	N	%
	Age at baseline	<18	149	1	0.7	1	1	100.0	0	0.0	0	0.0	0	0.0	0	0.0
		18-19	59	3	5.1	4	4	100.0	0	0.0	0	0.0	0	0.0	0	0.0
		20-24	183	43	23.5	71	38	53.5	0	0.0	14	19.7	16	22.5	3	4.2
		25-29	185	88	47.6	180	102	56.7	1	0.6	30	16.7	32	17.8	15	8.3
		30-34	139	82	59.0	189	134	70.9	1	0.5	26	13.8	25	13.2	3	1.6
		35+	92	65	70.7	166	109	65.7	3	1.8	29	17.5	25	15.1	0	0.0
	Years since diagnosis	5-9	82	18	22.0	30	14	46.7	0	0.0	5	16.7	4	13.3	7	23.3
		10-14	233	62	26.6	110	70	63.6	2	1.8	13	11.8	21	19.1	4	3.6
		15-19	259	90	34.7	214	134	62.6	0	0.0	36	16.8	40	18.7	4	1.9
		20+	233	112	48.1	257	170	66.1	3	1.2	45	17.5	33	12.8	6	2.3
	Age at diagnosis	<1	72	6	8.3	12	8	66.7	0	0.0	2	16.7	2	16.7	0	0.0
		1-4	230	29	12.6	55	31	56.4	0	0.0	9	16.4	12	21.8	3	5.5
		5-9	173	51	29.5	101	65	64.4	0	0.0	18	17.8	15	14.9	3	3.0
		10-14	160	88	55.0	191	128	67.0	1	0.5	32	16.8	24	12.6	6	3.1
		15-20	172	108	62.8	252	156	61.9	4	1.6	38	15.1	45	17.9	9	3.6
	Treatment	Surgery only	97	49	50.5	125	78	62.4	3	2.4	25	20.0	17	13.6	2	1.6
		Chemotherapy, no radiation	148	56	37.8	123	72	58.5	1	0.8	22	17.9	23	18.7	5	4.1
		Radiation, no chemotherapy	31	17	54.8	38	24	63.2	0	0.0	3	7.9	11	28.9	0	0.0
		Chemotherapy and radiation	450	126	28.0	250	162	64.8	0	0.0	43	17.2	37	14.8	8	3.2
		Unknown	81	34	42.0	75	52	69.3	1	1.3	6	8.0	10	13.3	6	8.0

CCSS data from Jan2020 data freeze

Based on items in M11/N8

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Pregnancy Outcomes: All bone
Pregnancies in female survivors or female partners of male survivors

25

							Pregnancy Outcome ²									
				Any pregnancy ¹			Live Births		Stillbirths		Miscarriages		Abortions		Unknown ³	
			All cases	N	%	Total # pregnancies	N	%	N	%	N	%	N	%	N	%
Both sexes	All cases		2098	782	37.3	1735	1139	65.6	14	0.8	282	16.3	219	12.6	81	4.7
	Age at baseline	<18	96	2	2.1	3	1	33.3	0	0.0	0	0.0	2	66.7	0	0.0
		18-19	72	2	2.8	3	1	33.3	0	0.0	1	33.3	0	0.0	1	33.3
		20-24	388	69	17.8	120	66	55.0	3	2.5	19	15.8	19	15.8	13	10.8
		25-29	568	180	31.7	327	211	64.5	2	0.6	48	14.7	38	11.6	28	8.6
		30-34	566	280	49.5	670	446	66.6	5	0.7	107	16.0	83	12.4	29	4.3
		35+	408	249	61.0	612	414	67.6	4	0.7	107	17.5	77	12.6	10	1.6
	Years since diagnosis	5-9	241	24	10.0	35	21	60.0	0	0.0	3	8.6	6	17.1	5	14.3
		10-14	681	194	28.5	368	233	63.3	6	1.6	55	14.9	54	14.7	20	5.4
		15-19	676	287	42.5	646	426	65.9	6	0.9	99	15.3	75	11.6	40	6.2
		20+	500	277	55.4	686	459	66.9	2	0.3	125	18.2	84	12.2	16	2.3
	Age at diagnosis	<1	9	1	11.1	3	2	66.7	0	0.0	1	33.3	0	0.0	0	0.0
		1-4	88	10	11.4	19	10	52.6	0	0.0	4	21.1	3	15.8	2	10.5
		5-9	371	71	19.1	151	94	62.3	0	0.0	31	20.5	13	8.6	13	8.6
		10-14	840	327	38.9	739	479	64.8	8	1.1	113	15.3	100	13.5	39	5.3
		15-20	790	373	47.2	823	554	67.3	6	0.7	133	16.2	103	12.5	27	3.3
	Treatment	Surgery only	119	68	57.1	157	110	70.1	1	0.6	24	15.3	15	9.6	7	4.5
		Chemotherapy, no radiation	1189	478	40.2	1077	705	65.5	7	0.6	174	16.2	144	13.4	47	4.4
		Radiation, no chemotherapy	17	9	52.9	17	11	64.7	1	5.9	3	17.6	2	11.8	0	0.0
		Chemotherapy and radiation	580	153	26.4	321	201	62.6	4	1.2	52	16.2	47	14.6	17	5.3
		Unknown	193	74	38.3	163	112	68.7	1	0.6	29	17.8	11	6.7	10	6.1
Males	All cases		1084	274	25.3	589	392	66.6	3	0.5	108	18.3	61	10.4	25	4.2
	Age at baseline	<18	48	.	.	.	.	.	.	.	.	.	.	.	.	.
		18-19	36	.	.	.	.	.	.	.	.	.	.	.	.	.
		20-24	193	14	7.3	22	12	54.5	0	0.0	5	22.7	1	4.5	4	18.2
		25-29	299	55	18.4	93	58	62.4	1	1.1	17	18.3	9	9.7	8	8.6
		30-34	283	100	35.3	213	145	68.1	1	0.5	30	14.1	30	14.1	7	3.3
		35+	225	105	46.7	261	177	67.8	1	0.4	56	21.5	21	8.0	6	2.3
	Years since diagnosis	5-9	132	5	3.8	6	2	33.3	0	0.0	0	0.0	1	16.7	3	50.0
		10-14	349	67	19.2	117	79	67.5	1	0.9	17	14.5	14	12.0	6	5.1
		15-19	347	102	29.4	219	148	67.6	2	0.9	37	16.9	23	10.5	9	4.1
		20+	256	100	39.1	247	163	66.0	0	0.0	54	21.9	23	9.3	7	2.8
	Age at diagnosis	<1	4	.	.	.	.	.	.	.	.	.	.	.	.	.
		1-4	47	5	10.6	10	4	40.0	0	0.0	4	40.0	0	0.0	2	20.0
		5-9	190	15	7.9	29	23	79.3	0	0.0	4	13.8	2	6.9	0	0.0
		10-14	401	94	23.4	205	128	62.4	1	0.5	42	20.5	25	12.2	9	4.4
		15-20	442	160	36.2	345	237	68.7	2	0.6	58	16.8	34	9.9	14	4.1
	Treatment	Surgery only	48	17	35.4	38	25	65.8	0	0.0	7	18.4	5	13.2	1	2.6
		Chemotherapy, no radiation	611	170	27.8	377	250	66.3	2	0.5	74	19.6	33	8.8	18	4.8
		Radiation, no chemotherapy	9	4	44.4	7	3	42.9	0	0.0	2	28.6	2	28.6	0	0.0
		Chemotherapy and radiation	296	46	15.5	97	64	66.0	1	1.0	14	14.4	15	15.5	3	3.1
		Unknown	120	37	30.8	70	50	71.4	0	0.0	11	15.7	6	8.6	3	4.3
Females	All cases		1014	508	50.1	1146	747	65.2	11	1.0	174	15.2	158	13.8	56	4.9

CCSS data from Jan2020 data freeze

Based on items in M11/N8

¹ Indicates at least one pregnancy for the survivor. Denominator for percentage is all cases.

² Reported outcomes for all pregnancies, including multiple pregnancies per survivor. Denominator for percentages is all pregnancies

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Pregnancy Outcomes: All bone
Pregnancies in female survivors or female partners of male survivors

26

							Pregnancy Outcome ²									
				Any pregnancy ¹			Live Births		Stillbirths		Miscarriages		Abortions		Unknown ³	
			All cases	N	%	Total # pregnancies	N	%	N	%	N	%	N	%	N	%
	Age at baseline	<18	48	2	4.2	3	1	33.3	0	0.0	0	0.0	2	66.7	0	0.0
		18-19	36	2	5.6	3	1	33.3	0	0.0	1	33.3	0	0.0	1	33.3
		20-24	195	55	28.2	98	54	55.1	3	3.1	14	14.3	18	18.4	9	9.2
		25-29	269	125	46.5	234	153	65.4	1	0.4	31	13.2	29	12.4	20	8.5
		30-34	283	180	63.6	457	301	65.9	4	0.9	77	16.8	53	11.6	22	4.8
		35+	183	144	78.7	351	237	67.5	3	0.9	51	14.5	56	16.0	4	1.1
	Years since diagnosis	5-9	109	19	17.4	29	19	65.5	0	0.0	3	10.3	5	17.2	2	6.9
		10-14	332	127	38.3	251	154	61.4	5	2.0	38	15.1	40	15.9	14	5.6
		15-19	329	185	56.2	427	278	65.1	4	0.9	62	14.5	52	12.2	31	7.3
		20+	244	177	72.5	439	296	67.4	2	0.5	71	16.2	61	13.9	9	2.1
	Age at diagnosis	<1	5	1	20.0	3	2	66.7	0	0.0	1	33.3	0	0.0	0	0.0
		1-4	41	5	12.2	9	6	66.7	0	0.0	0	0.0	3	33.3	0	0.0
		5-9	181	56	30.9	122	71	58.2	0	0.0	27	22.1	11	9.0	13	10.7
		10-14	439	233	53.1	534	351	65.7	7	1.3	71	13.3	75	14.0	30	5.6
		15-20	348	213	61.2	478	317	66.3	4	0.8	75	15.7	69	14.4	13	2.7
	Treatment	Surgery only	71	51	71.8	119	85	71.4	1	0.8	17	14.3	10	8.4	6	5.0
		Chemotherapy, no radiation	578	308	53.3	700	455	65.0	5	0.7	100	14.3	111	15.9	29	4.1
		Radiation, no chemotherapy	8	5	62.5	10	8	80.0	1	10.0	1	10.0	0	0.0	0	0.0
		Chemotherapy and radiation	284	107	37.7	224	137	61.2	3	1.3	38	17.0	32	14.3	14	6.3
		Unknown	73	37	50.7	93	62	66.7	1	1.1	18	19.4	5	5.4	7	7.5

CCSS data from Jan2020 data freeze

Based on items in M11/N8

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² Reported outcomes for all pregnancies, including multiple pregnancies per survivor. Denominator for percentages is all pregnancies

³ Unknown includes pregnancies with outcome unknown or currently pregnant

n=7 participants with no baseline information are not included

Pregnancy Outcomes: Ewings

Pregnancies in female survivors or female partners of male survivors

27

							Pregnancy Outcome ²									
				Any pregnancy ¹			Live Births		Stillbirths		Miscarriages		Abortions		Unknown ³	
			All cases	N	%	Total # pregnancies	N	%	N	%	N	%	N	%	N	%
Both sexes	All cases		738	186	25.2	413	251	60.8	4	1.0	76	18.4	49	11.9	33	8.0
	Age at baseline	<18	61	1	1.6	1	0	0.0	0	0.0	0	0.0	1	100.0	0	0.0
		18-19	36	1	2.8	2	1	50.0	0	0.0	1	50.0	0	0.0	0	0.0
		20-24	170	22	12.9	45	19	42.2	3	6.7	8	17.8	4	8.9	11	24.4
		25-29	204	46	22.5	75	46	61.3	0	0.0	16	21.3	7	9.3	6	8.0
		30-34	164	61	37.2	151	87	57.6	1	0.7	26	17.2	23	15.2	14	9.3
		35+	103	55	53.4	139	98	70.5	0	0.0	25	18.0	14	10.1	2	1.4
	Years since diagnosis	5-9	103	3	2.9	3	1	33.3	0	0.0	1	33.3	0	0.0	1	33.3
		10-14	247	46	18.6	84	46	54.8	4	4.8	15	17.9	11	13.1	8	9.5
		15-19	223	63	28.3	140	91	65.0	0	0.0	19	13.6	12	8.6	18	12.9
		20+	165	74	44.8	186	113	60.8	0	0.0	41	22.0	26	14.0	6	3.2
	Age at diagnosis	<1	5	.	.	.	.	.	.	.	.	.	.	.	.	.
		1-4	54	6	11.1	13	5	38.5	0	0.0	4	30.8	2	15.4	2	15.4
		5-9	185	30	16.2	60	32	53.3	0	0.0	16	26.7	4	6.7	8	13.3
		10-14	277	68	24.5	164	87	53.0	3	1.8	33	20.1	25	15.2	16	9.8
		15-20	217	82	37.8	176	127	72.2	1	0.6	23	13.1	18	10.2	7	4.0
	Treatment	Surgery only	1	1	100.0	1	0	0.0	0	0.0	1	100.0	0	0.0	0	0.0
		Chemotherapy, no radiation	210	56	26.7	127	78	61.4	0	0.0	26	20.5	14	11.0	9	7.1
		Radiation, no chemotherapy	2	1	50.0	2	2	100.0	0	0.0	0	0.0	0	0.0	0	0.0
		Chemotherapy and radiation	461	114	24.7	249	151	60.6	4	1.6	44	17.7	34	13.7	16	6.4
		Unknown	64	14	21.9	34	20	58.8	0	0.0	5	14.7	1	2.9	8	23.5
Males	All cases		385	55	14.3	121	72	59.5	1	0.8	25	20.7	13	10.7	10	8.3
	Age at baseline	<18	27	.	.	.	.	.	.	.	.	.	.	.	.	.
		18-19	20	.	.	.	.	.	.	.	.	.	.	.	.	.
		20-24	87	4	4.6	6	1	16.7	0	0.0	3	50.0	0	0.0	2	33.3
		25-29	105	9	8.6	19	10	52.6	0	0.0	6	31.6	0	0.0	3	15.8
		30-34	90	21	23.3	44	24	54.5	1	2.3	4	9.1	11	25.0	4	9.1
		35+	56	21	37.5	52	37	71.2	0	0.0	12	23.1	2	3.8	1	1.9
	Years since diagnosis	5-9	55	1	1.8	1	1	100.0	0	0.0	0	0.0	0	0.0	0	0.0
		10-14	121	15	12.4	26	15	57.7	1	3.8	4	15.4	2	7.7	4	15.4
		15-19	122	16	13.1	34	22	64.7	0	0.0	7	20.6	2	5.9	3	8.8
		20+	87	23	26.4	60	34	56.7	0	0.0	14	23.3	9	15.0	3	5.0
	Age at diagnosis	<1	2	.	.	.	.	.	.	.	.	.	.	.	.	.
		1-4	29	3	10.3	7	1	14.3	0	0.0	4	57.1	0	0.0	2	28.6
		5-9	92	3	3.3	6	4	66.7	0	0.0	1	16.7	1	16.7	0	0.0
		10-14	146	16	11.0	37	17	45.9	0	0.0	11	29.7	6	16.2	3	8.1
		15-20	116	33	28.4	71	50	70.4	1	1.4	9	12.7	6	8.5	5	7.0
	Treatment	Chemotherapy, no radiation	111	15	13.5	41	21	51.2	0	0.0	13	31.7	2	4.9	5	12.2
		Radiation, no chemotherapy	1	1	100.0	2	2	100.0	0	0.0	0	0.0	0	0.0	0	0.0
		Chemotherapy and radiation	236	36	15.3	75	48	64.0	1	1.3	12	16.0	11	14.7	3	4.0
		Unknown	37	3	8.1	3	1	33.3	0	0.0	0	0.0	0	0.0	2	66.7
Females	All cases		353	131	37.1	292	179	61.3	3	1.0	51	17.5	36	12.3	23	7.9
	Age at baseline	<18	34	1	2.9	1	0	0.0	0	0.0	0	0.0	1	100.0	0	0.0

CCSS data from Jan2020 data freeze

Based on items in M11/N8

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² Reported outcomes for all pregnancies, including multiple pregnancies per survivor. Denominator for percentages is all pregnancies

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n=7 participants with no baseline information are not included

Pregnancy Outcomes: Ewings
Pregnancies in female survivors or female partners of male survivors

28

							Pregnancy Outcome ²									
				Any pregnancy ¹			Live Births		Stillbirths		Miscarriages		Abortions		Unknown ³	
			All cases	N	%	Total # pregnancies	N	%	N	%	N	%	N	%	N	%
		18-19	16	1	6.3	2	1	50.0	0	0.0	1	50.0	0	0.0	0	0.0
		20-24	83	18	21.7	39	18	46.2	3	7.7	5	12.8	4	10.3	9	23.1
		25-29	99	37	37.4	56	36	64.3	0	0.0	10	17.9	7	12.5	3	5.4
		30-34	74	40	54.1	107	63	58.9	0	0.0	22	20.6	12	11.2	10	9.3
		35+	47	34	72.3	87	61	70.1	0	0.0	13	14.9	12	13.8	1	1.1
	Years since diagnosis	5-9	48	2	4.2	2	0	0.0	0	0.0	1	50.0	0	0.0	1	50.0
		10-14	126	31	24.6	58	31	53.4	3	5.2	11	19.0	9	15.5	4	6.9
		15-19	101	47	46.5	106	69	65.1	0	0.0	12	11.3	10	9.4	15	14.2
		20+	78	51	65.4	126	79	62.7	0	0.0	27	21.4	17	13.5	3	2.4
	Age at diagnosis	<1	3	.	.	.	.	.	.	.	.	.	.	.	.	.
		1-4	25	3	12.0	6	4	66.7	0	0.0	0	0.0	2	33.3	0	0.0
		5-9	93	27	29.0	54	28	51.9	0	0.0	15	27.8	3	5.6	8	14.8
		10-14	131	52	39.7	127	70	55.1	3	2.4	22	17.3	19	15.0	13	10.2
		15-20	101	49	48.5	105	77	73.3	0	0.0	14	13.3	12	11.4	2	1.9
	Treatment	Surgery only	1	1	100.0	1	0	0.0	0	0.0	1	100.0	0	0.0	0	0.0
		Chemotherapy, no radiation	99	41	41.4	86	57	66.3	0	0.0	13	15.1	12	14.0	4	4.7
		Radiation, no chemotherapy	1	.	.	.	.	.	.	.	.	.	.	.	.	.
		Chemotherapy and radiation	225	78	34.7	174	103	59.2	3	1.7	32	18.4	23	13.2	13	7.5
		Unknown	27	11	40.7	31	19	61.3	0	0.0	5	16.1	1	3.2	6	19.4

CCSS data from Jan2020 data freeze

Based on items in M11/N8

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Pregnancy Outcomes: Osteosarcoma

Pregnancies in female survivors or female partners of male survivors

29

							Pregnancy Outcome ²									
			Any pregnancy ¹				Live Births		Stillbirths		Miscarriages		Abortions		Unknown ³	
			All cases	N	%	Total # pregnancies	N	%	N	%	N	%	N	%	N	%
Both sexes	All cases		1257	563	44.8	1249	840	67.3	10	0.8	194	15.5	158	12.7	47	3.8
	Age at baseline	<18	29	1	3.4	2	1	50.0	0	0.0	0	0.0	1	50.0	0	0.0
		18-19	30	1	3.3	1	0	0.0	0	0.0	0	0.0	0	0.0	1	100.0
		20-24	198	44	22.2	67	43	64.2	0	0.0	9	13.4	13	19.4	2	3.0
		25-29	344	130	37.8	243	158	65.0	2	0.8	30	12.3	31	12.8	22	9.1
		30-34	373	208	55.8	494	342	69.2	4	0.8	75	15.2	58	11.7	15	3.0
		35+	283	179	63.3	442	296	67.0	4	0.9	80	18.1	55	12.4	7	1.6
	Years since diagnosis	5-9	131	20	15.3	31	20	64.5	0	0.0	2	6.5	5	16.1	4	12.9
		10-14	397	141	35.5	269	176	65.4	2	0.7	37	13.8	42	15.6	12	4.5
		15-19	422	214	50.7	482	318	66.0	6	1.2	75	15.6	61	12.7	22	4.6
		20+	307	188	61.2	467	326	69.8	2	0.4	80	17.1	50	10.7	9	1.9
	Age at diagnosis	1-4	25	4	16.0	6	5	83.3	0	0.0	0	0.0	1	16.7	0	0.0
		5-9	168	40	23.8	88	60	68.2	0	0.0	14	15.9	9	10.2	5	5.7
		10-14	533	249	46.7	550	378	68.7	5	0.9	75	13.6	69	12.5	23	4.2
		15-20	531	270	50.8	605	397	65.6	5	0.8	105	17.4	79	13.1	19	3.1
	Treatment	Surgery only	86	51	59.3	125	87	69.6	1	0.8	19	15.2	11	8.8	7	5.6
		Chemotherapy, no radiation	955	416	43.6	931	616	66.2	7	0.8	144	15.5	127	13.6	37	4.0
		Radiation, no chemotherapy	10	7	70.0	14	8	57.1	1	7.1	3	21.4	2	14.3	0	0.0
		Chemotherapy and radiation	83	31	37.3	55	40	72.7	0	0.0	6	10.9	8	14.5	1	1.8
		Unknown	123	58	47.2	124	89	71.8	1	0.8	22	17.7	10	8.1	2	1.6
Males	All cases		647	207	32.0	443	305	68.8	2	0.5	77	17.4	44	9.9	15	3.4
	Age at baseline	<18	20	.	.	.	.	.	.	.	.	.	.	.	.	.
		18-19	12	.	.	.	.	.	.	.	.	.	.	.	.	.
		20-24	95	10	10.5	16	11	68.8	0	0.0	2	12.5	1	6.3	2	12.5
		25-29	183	44	24.0	70	45	64.3	1	1.4	10	14.3	9	12.9	5	7.1
		30-34	178	74	41.6	159	116	73.0	0	0.0	22	13.8	18	11.3	3	1.9
		35+	159	79	49.7	198	133	67.2	1	0.5	43	21.7	16	8.1	5	2.5
	Years since diagnosis	5-9	74	4	5.4	5	1	20.0	0	0.0	0	0.0	1	20.0	3	60.0
		10-14	209	49	23.4	84	59	70.2	0	0.0	11	13.1	12	14.3	2	2.4
		15-19	210	82	39.0	179	123	68.7	2	1.1	28	15.6	20	11.2	6	3.4
		20+	154	72	46.8	175	122	69.7	0	0.0	38	21.7	11	6.3	4	2.3
	Age at diagnosis	1-4	14	2	14.3	3	3	100.0	0	0.0	0	0.0	0	0.0	0	0.0
		5-9	84	11	13.1	20	17	85.0	0	0.0	2	10.0	1	5.0	0	0.0
		10-14	245	76	31.0	165	110	66.7	1	0.6	30	18.2	18	10.9	6	3.6
		15-20	304	118	38.8	255	175	68.6	1	0.4	45	17.6	25	9.8	9	3.5
	Treatment	Surgery only	30	11	36.7	25	18	72.0	0	0.0	4	16.0	2	8.0	1	4.0
		Chemotherapy, no radiation	488	154	31.6	335	228	68.1	2	0.6	61	18.2	31	9.3	13	3.9
		Radiation, no chemotherapy	6	3	50.0	5	1	20.0	0	0.0	2	40.0	2	40.0	0	0.0
		Chemotherapy and radiation	44	7	15.9	16	12	75.0	0	0.0	1	6.3	3	18.8	0	0.0
		Unknown	79	32	40.5	62	46	74.2	0	0.0	9	14.5	6	9.7	1	1.6
Females	All cases		610	356	58.4	806	535	66.4	8	1.0	117	14.5	114	14.1	32	4.0
	Age at baseline	<18	9	1	11.1	2	1	50.0	0	0.0	0	0.0	1	50.0	0	0.0
		18-19	18	1	5.6	1	0	0.0	0	0.0	0	0.0	0	0.0	1	100.0

CCSS data from Jan2020 data freeze

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² Reported outcomes for all pregnancies, including multiple pregnancies per survivor. Denominator for percentages is all pregnancies

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n=7 participants with no baseline information are not included

Pregnancy Outcomes: Osteosarcoma

Pregnancies in female survivors or female partners of male survivors

30

							Pregnancy Outcome ²									
			Any pregnancy ¹				Live Births		Stillbirths		Miscarriages		Abortions		Unknown ³	
			All cases	N	%	Total # pregnancies	N	%	N	%	N	%	N	%	N	%
		20-24	103	34	33.0	51	32	62.7	0	0.0	7	13.7	12	23.5	0	0.0
		25-29	161	86	53.4	173	113	65.3	1	0.6	20	11.6	22	12.7	17	9.8
		30-34	195	134	68.7	335	226	67.5	4	1.2	53	15.8	40	11.9	12	3.6
		35+	124	100	80.6	244	163	66.8	3	1.2	37	15.2	39	16.0	2	0.8
	Years since diagnosis	5-9	57	16	28.1	26	19	73.1	0	0.0	2	7.7	4	15.4	1	3.8
		10-14	188	92	48.9	185	117	63.2	2	1.1	26	14.1	30	16.2	10	5.4
		15-19	212	132	62.3	303	195	64.4	4	1.3	47	15.5	41	13.5	16	5.3
		20+	153	116	75.8	292	204	69.9	2	0.7	42	14.4	39	13.4	5	1.7
	Age at diagnosis	1-4	11	2	18.2	3	2	66.7	0	0.0	0	0.0	1	33.3	0	0.0
		5-9	84	29	34.5	68	43	63.2	0	0.0	12	17.6	8	11.8	5	7.4
		10-14	288	173	60.1	385	268	69.6	4	1.0	45	11.7	51	13.2	17	4.4
		15-20	227	152	67.0	350	222	63.4	4	1.1	60	17.1	54	15.4	10	2.9
	Treatment	Surgery only	56	40	71.4	100	69	69.0	1	1.0	15	15.0	9	9.0	6	6.0
		Chemotherapy, no radiation	467	262	56.1	596	388	65.1	5	0.8	83	13.9	96	16.1	24	4.0
		Radiation, no chemotherapy	4	4	100.0	9	7	77.8	1	11.1	1	11.1	0	0.0	0	0.0
		Chemotherapy and radiation	39	24	61.5	39	28	71.8	0	0.0	5	12.8	5	12.8	1	2.6
		Unknown	44	26	59.1	62	43	69.4	1	1.6	13	21.0	4	6.5	1	1.6

CCSS data from Jan2020 data freeze

Based on items in M11/N8

¹ Indicates at least one pregnancy for the survivor. Denominator for percentage is all cases.

² Reported outcomes for all pregnancies, including multiple pregnancies per survivor. Denominator for percentages is all pregnancies

³ Unknown includes pregnancies with outcome unknown or currently pregnant

n=7 participants with no baseline information are not included