Surgery: All cancers

				Any surgery[1]			Splenectomy[2]		Amputation[3]		Limb-sparing procedure[3]	
			All cases	Yes	No	Unknown	N	%	N	%	N	%
Both sexes	**All cases**		**23716**	**18359**	**5181**	**176**	**1460**	**6.2**	**755**	**3.2**	**1102**	**4.7**
	Age at baseline	<18	5295	3890	1369	36	37	0.7	35	0.7	74	1.4
		18-19	1964	1442	510	12	36	1.8	21	1.1	43	2.2
		20-24	5511	4233	1245	33	160	2.9	134	2.4	203	3.7
		25-29	5150	3994	1112	44	333	6.5	189	3.7	307	6.0
		30-34	3566	2923	611	32	418	11.9	207	5.8	283	8.0
		35+	2230	1877	334	19	476	21.8	169	7.6	192	8.7
	Years since diagnosis	5-9	2391	1793	576	22	124	5.2	81	3.4	137	5.8
		10-14	7681	6006	1626	49	377	4.9	200	2.6	378	4.9
		15-19	7592	5961	1575	56	443	5.9	263	3.5	361	4.8
		20+	6052	4599	1404	49	516	8.6	211	3.5	226	3.8
	Age at diagnosis	<1	1789	1597	184	8	7	0.4	8	0.4	32	1.8
		1-4	7646	5248	2347	51	56	0.7	36	0.5	58	0.8
		5-9	5313	3995	1270	48	185	3.5	129	2.4	160	3.0
		10-14	5026	4092	903	31	521	10.5	310	6.2	429	8.6
		15-20	3942	3427	477	38	691	17.9	272	6.9	423	10.9
Males	**All cases**		**12555**	**10076**	**2380**	**99**	**752**	**6.0**	**393**	**3.1**	**567**	**4.5**
	Age at baseline	<18	2844	2204	613	27	23	0.8	21	0.7	43	1.5
		18-19	1013	805	202	6	26	2.6	10	1.0	21	2.1
		20-24	2866	2334	514	18	96	3.4	67	2.3	102	3.6
		25-29	2820	2253	548	19	195	7.0	100	3.6	157	5.6
		30-34	1889	1559	312	18	200	10.8	103	5.5	138	7.4
		35+	1123	921	191	11	212	19.2	92	8.2	106	9.6
	Years since diagnosis	5-9	1331	1032	283	16	72	5.4	46	3.5	70	5.3
		10-14	4084	3348	712	24	207	5.1	113	2.8	195	4.8
		15-19	3944	3253	661	30	217	5.5	132	3.4	185	4.7
		20+	3196	2443	724	29	256	8.1	102	3.2	117	3.7
	Age at diagnosis	<1	907	818	84	5	3	0.3	3	0.3	20	2.2
		1-4	3967	2910	1023	34	31	0.8	18	0.5	27	0.7
		5-9	2975	2364	584	27	125	4.2	69	2.3	84	2.8
		10-14	2625	2192	417	16	259	10.0	143	5.5	215	8.3
		15-20	2081	1792	272	17	334	16.3	160	7.7	221	10.8
Females	**All cases**		**11161**	**8283**	**2801**	**77**	**708**	**6.4**	**362**	**3.3**	**535**	**4.8**
	Age at baseline	<18	2451	1686	756	9	14	0.6	14	0.6	31	1.3
		18-19	951	637	308	6	10	1.1	11	1.2	22	2.3
		20-24	2645	1899	731	15	64	2.4	67	2.5	101	3.8
		25-29	2330	1741	564	25	138	6.0	89	3.8	150	6.5
		30-34	1677	1364	299	14	218	13.2	104	6.2	145	8.7
		35+	1107	956	143	8	264	24.3	77	7.0	86	7.8
	Years since diagnosis	5-9	1060	761	293	6	52	4.9	35	3.3	67	6.4
		10-14	3597	2658	914	25	170	4.8	87	2.4	183	5.1
		15-19	3648	2708	914	26	226	6.3	131	3.6	176	4.9
		20+	2856	2156	680	20	260	9.2	109	3.8	109	3.9
	Age at diagnosis	<1	882	779	100	3	4	0.5	5	0.6	12	1.4
		1-4	3679	2338	1324	17	25	0.7	18	0.5	31	0.8
		5-9	2338	1631	686	21	60	2.6	60	2.6	76	3.3

CCSS data from the March 2026 freeze; % based on nonmissing values.
Participants had medical record abstraction, a completed baseline questionnaire, and treatment within 5 years of diagnosis.
[1] Any surgery may include biopsy
[2] In expansion, only collected for Hodgkin survivors
[3] In expansion, only collected for STS and Bone tumor survivors

Surgery: All cancers

				Any surgery[1]			Splenectomy[2]		Amputation[3]		Limb-sparing procedure[3]	
			All cases	Yes	No	Unknown	N	%	N	%	N	%
		10-14	2401	1900	486	15	262	11.0	167	7.0	214	9.0
		15-20	1861	1635	205	21	357	19.6	112	6.0	202	10.9

CCSS data from the March 2026 freeze; % based on nonmissing values.
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[1] Any surgery may include biopsy
[2] In expansion, only collected for Hodgkin survivors
[3] In expansion, only collected for STS and Bone tumor survivors

Surgery: All leukemias

				Any surgery[1]			Splenectomy[2]		Amputation[3]		Limb-sparing procedure[3]	
			All cases	Yes	No	Unknown	N	%	N	%	N	%
Both sexes	**All cases**		**7302**	**2623**	**4605**	**74**	**46**	**0.6**	**2**	**0.0**	**22**	**0.3**
	Age at baseline	<18	2099	788	1289	22	11	0.5	1	0.0	4	0.2
		18-19	769	293	473	3	4	0.5	1	0.1	.	.
		20-24	1799	655	1126	18	4	0.2	.	.	5	0.3
		25-29	1471	482	972	17	14	1.0	.	.	7	0.5
		30-34	779	279	488	12	9	1.2	.	.	6	0.8
		35+	385	126	257	2	4	1.0	.	.	.	.
	Years since diagnosis	5-9	906	351	542	13	7	0.8	1	0.1	8	0.9
		10-14	2444	959	1461	24	18	0.7	1	0.0	5	0.2
		15-19	2246	846	1380	20	14	0.6	.	.	6	0.3
		20+	1706	467	1222	17	7	0.4	.	.	3	0.2
	Age at diagnosis	<1	233	83	147	3	3	1.3	.	.	.	.
		1-4	3449	1203	2218	28	9	0.3	2	0.1	2	0.1
		5-9	1767	605	1136	26	7	0.4	.	.	7	0.4
		10-14	1216	457	752	7	16	1.3	.	.	6	0.5
		15-20	637	275	352	10	11	1.7	.	.	7	1.1
Males	**All cases**		**3855**	**1761**	**2050**	**44**	**20**	**0.5**	**.**	**.**	**12**	**0.3**
	Age at baseline	<18	1137	550	569	18	7	0.6	.	.	2	0.2
		18-19	410	224	184	2	1	0.2	.	.	.	.
		20-24	895	441	448	6	.	.	.	.	3	0.3
		25-29	788	314	467	7	7	0.9	.	.	5	0.6
		30-34	411	168	233	10	3	0.7	.	.	2	0.5
		35+	214	64	149	1	2	0.9	.	.	.	.
	Years since diagnosis	5-9	510	237	262	11	4	0.8	.	.	4	0.8
		10-14	1300	663	623	14	12	0.9	.	.	3	0.2
		15-19	1138	575	553	10	2	0.2	.	.	3	0.3
		20+	907	286	612	9	2	0.2	.	.	2	0.2
	Age at diagnosis	<1	111	44	65	2	1	0.9	.	.	.	.
		1-4	1822	847	955	20	4	0.2	.	.	1	0.1
		5-9	942	435	495	12	3	0.3	.	.	5	0.5
		10-14	596	257	336	3	6	1.0	.	.	2	0.3
		15-20	384	178	199	7	6	1.6	.	.	4	1.0
Females	**All cases**		**3447**	**862**	**2555**	**30**	**26**	**0.8**	**2**	**0.1**	**10**	**0.3**
	Age at baseline	<18	962	238	720	4	4	0.4	1	0.1	2	0.2
		18-19	359	69	289	1	3	0.8	1	0.3	.	.
		20-24	904	214	678	12	4	0.4	.	.	2	0.2
		25-29	683	168	505	10	7	1.0	.	.	2	0.3
		30-34	368	111	255	2	6	1.6	.	.	4	1.1
		35+	171	62	108	1	2	1.2	.	.	.	.
	Years since diagnosis	5-9	396	114	280	2	3	0.8	1	0.3	4	1.0
		10-14	1144	296	838	10	6	0.5	1	0.1	2	0.2
		15-19	1108	271	827	10	12	1.1	.	.	3	0.3
		20+	799	181	610	8	5	0.6	.	.	1	0.1
	Age at diagnosis	<1	122	39	82	1	2	1.6	.	.	.	.
		1-4	1627	356	1263	8	5	0.3	2	0.1	1	0.1
		5-9	825	170	641	14	4	0.5	.	.	2	0.2

CCSS data from the March 2026 freeze; % based on nonmissing values.
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[3] In expansion, only collected for STS and Bone tumor survivors

Surgery: All leukemias

				Any surgery[1]			Splenectomy[2]		Amputation[3]		Limb-sparing procedure[3]	
			All cases	Yes	No	Unknown	N	%	N	%	N	%
		10-14	620	200	416	4	10	1.6	.	.	4	0.6
		15-20	253	97	153	3	5	2.0	.	.	3	1.2

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[1] Any surgery may include biopsy
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[3] In expansion, only collected for STS and Bone tumor survivors

				Any surgery[1]			Splenectomy[2]		Amputation[3]		Limb-sparing procedure[3]	
			All cases	Yes	No	Unknown	N	%	N	%	N	%
Both sexes	**All cases**		**6109**	**2097**	**3948**	**64**	**10**	**0.2**	**2**	**0.0**	**19**	**0.3**
	Age at baseline	<18	1814	646	1146	22	2	0.1	1	0.1	3	0.2
		18-19	666	248	415	3	1	0.2	1	0.2	.	.
		20-24	1532	545	975	12	2	0.1	.	.	5	0.3
		25-29	1217	384	819	14	2	0.2	.	.	6	0.5
		30-34	604	192	401	11	1	0.2	.	.	5	0.8
		35+	276	82	192	2	2	0.7	.	.	.	.
	Years since diagnosis	5-9	778	284	482	12	1	0.1	1	0.1	7	0.9
		10-14	2048	766	1260	22	4	0.2	1	0.0	4	0.2
		15-19	1853	685	1152	16	1	0.1	.	.	5	0.3
		20+	1430	362	1054	14	4	0.3	.	.	3	0.2
	Age at diagnosis	<1	128	47	79	2	.	.	.	.	.	.
		1-4	3055	1021	2008	26	2	0.1	2	0.1	2	0.1
		5-9	1545	507	1015	23	2	0.1	.	.	6	0.4
		10-14	949	343	602	4	3	0.3	.	.	6	0.6
		15-20	432	179	244	9	3	0.7	.	.	5	1.2
Males	**All cases**		**3252**	**1494**	**1718**	**40**	**4**	**0.1**	**.**	**.**	**10**	**0.3**
	Age at baseline	<18	982	468	496	18	2	0.2	.	.	1	0.1
		18-19	358	207	149	2	1	0.3	.	.	.	.
		20-24	762	390	368	4	.	.	.	.	3	0.4
		25-29	665	266	394	5	.	.	.	.	5	0.8
		30-34	324	120	194	10	.	.	.	.	1	0.3
		35+	161	43	117	1	1	0.6	.	.	.	.
	Years since diagnosis	5-9	439	198	231	10	1	0.2	.	.	3	0.7
		10-14	1098	561	524	13	2	0.2	.	.	3	0.3
		15-19	950	506	435	9	.	.	.	.	2	0.2
		20+	765	229	528	8	1	0.1	.	.	2	0.3
	Age at diagnosis	<1	64	27	35	2	.	.	.	.	.	.
		1-4	1603	750	835	18	1	0.1	.	.	1	0.1
		5-9	833	387	434	12	2	0.2	.	.	4	0.5
		10-14	483	208	273	2	.	.	.	.	2	0.4
		15-20	269	122	141	6	1	0.4	.	.	3	1.1
Females	**All cases**		**2857**	**603**	**2230**	**24**	**6**	**0.2**	**2**	**0.1**	**9**	**0.3**
	Age at baseline	<18	832	178	650	4	.	.	1	0.1	2	0.2
		18-19	308	41	266	1	.	.	1	0.3	.	.
		20-24	770	155	607	8	2	0.3	.	.	2	0.3
		25-29	552	118	425	9	2	0.4	.	.	1	0.2
		30-34	280	72	207	1	1	0.4	.	.	4	1.4
		35+	115	39	75	1	1	0.9	.	.	.	.
	Years since diagnosis	5-9	339	86	251	2	.	.	1	0.3	4	1.2
		10-14	950	205	736	9	2	0.2	1	0.1	1	0.1
		15-19	903	179	717	7	1	0.1	.	.	3	0.3
		20+	665	133	526	6	3	0.5	.	.	1	0.2
	Age at diagnosis	<1	64	20	44	.	.	.	.	.	.	.
		1-4	1452	271	1173	8	1	0.1	2	0.1	1	0.1
		5-9	712	120	581	11	.	.	.	.	2	0.3

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[2] In expansion, only collected for Hodgkin survivors
[3] In expansion, only collected for STS and Bone tumor survivors

Surgery: ALL

				Any surgery[1]			Splenectomy[2]		Amputation[3]		Limb-sparing procedure[3]	
			All cases	Yes	No	Unknown	N	%	N	%	N	%
		10-14	466	135	329	2	3	0.6	.	.	4	0.9
		15-20	163	57	103	3	2	1.2	.	.	2	1.2

CCSS data from the March 2026 freeze; % based on nonmissing values.
Participants had medical record abstraction, a completed baseline questionnaire, and treatment within 5 years of diagnosis.
[1] Any surgery may include biopsy
[2] In expansion, only collected for Hodgkin survivors
[3] In expansion, only collected for STS and Bone tumor survivors

Surgery: AML

				Any surgery[1]			Splenectomy[2]		Amputation[3]		Limb-sparing procedure[3]	
			All cases	Yes	No	Unknown	N	%	N	%	N	%
Both sexes	**All cases**		**882**	**397**	**479**	**6**	**17**	**1.9**	**.**	**.**	**3**	**0.3**
	Age at baseline	<18	225	110	115	.	2	0.9	.	.	1	0.4
		18-19	82	37	45	.	1	1.2	.	.	.	.
		20-24	193	88	101	4	2	1.0	.	.	.	.
		25-29	188	68	119	1	8	4.3	.	.	1	0.5
		30-34	121	62	58	1	4	3.3	.	.	1	0.8
		35+	73	32	41	.	.	.	.	.	.	.
	Years since diagnosis	5-9	81	42	39	.	1	1.2	.	.	1	1.2
		10-14	307	151	155	1	5	1.6	.	.	1	0.3
		15-19	304	132	169	3	11	3.6	.	.	1	0.3
		20+	190	72	116	2	.	.	.	.	.	.
	Age at diagnosis	<1	90	33	56	1	2	2.2	.	.	.	.
		1-4	301	138	162	1	2	0.7	.	.	.	.
		5-9	166	80	84	2	3	1.8	.	.	1	0.6
		10-14	186	79	105	2	7	3.8	.	.	.	.
		15-20	139	67	72	.	3	2.2	.	.	2	1.4
Males	**All cases**		**430**	**194**	**235**	**1**	**7**	**1.6**	**.**	**.**	**2**	**0.5**
	Age at baseline	<18	122	64	58	.	2	1.6	.	.	1	0.8
		18-19	42	12	30	.	.	.	.	.	.	.
		20-24	92	39	52	1	.	.	.	.	.	.
		25-29	82	28	54	.	3	3.7	.	.	.	.
		30-34	58	35	23	.	2	3.4	.	.	1	1.7
		35+	34	16	18	.	.	.	.	.	.	.
	Years since diagnosis	5-9	47	25	22	.	1	2.1	.	.	1	2.1
		10-14	152	79	73	.	4	2.6	.	.	.	.
		15-19	141	55	85	1	2	1.4	.	.	1	0.7
		20+	90	35	55	.	.	.	.	.	.	.
	Age at diagnosis	<1	39	16	23	.	1	2.6	.	.	.	.
		1-4	165	68	96	1	1	0.6	.	.	.	.
		5-9	76	37	39	.	.	.	.	.	1	1.3
		10-14	75	33	42	.	3	4.0	.	.	.	.
		15-20	75	40	35	.	2	2.7	.	.	1	1.3
Females	**All cases**		**452**	**203**	**244**	**5**	**10**	**2.2**	**.**	**.**	**1**	**0.2**
	Age at baseline	<18	103	46	57	.	.	.	.	.	.	.
		18-19	40	25	15	.	1	2.5	.	.	.	.
		20-24	101	49	49	3	2	2.0	.	.	.	.
		25-29	106	40	65	1	5	4.7	.	.	1	0.9
		30-34	63	27	35	1	2	3.2	.	.	.	.
		35+	39	16	23	.	.	.	.	.	.	.
	Years since diagnosis	5-9	34	17	17	.	.	.	.	.	.	.
		10-14	155	72	82	1	1	0.6	.	.	1	0.6
		15-19	163	77	84	2	9	5.5	.	.	.	.
		20+	100	37	61	2	.	.	.	.	.	.
	Age at diagnosis	<1	51	17	33	1	1	2.0	.	.	.	.
		1-4	136	70	66	.	1	0.7	.	.	.	.
		5-9	90	43	45	2	3	3.3	.	.	.	.

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[1] Any surgery may include biopsy
[2] In expansion, only collected for Hodgkin survivors
[3] In expansion, only collected for STS and Bone tumor survivors

				Any surgery[1]			Splenectomy[2]		Amputation[3]		Limb-sparing procedure[3]	
			All cases	Yes	No	Unknown	N	%	N	%	N	%
		10-14	111	46	63	2	4	3.6	.	.	.	.
		15-20	64	27	37	.	1	1.6	.	.	1	1.6

CCSS data from the March 2026 freeze; % based on nonmissing values.
Participants had medical record abstraction, a completed baseline questionnaire, and treatment within 5 years of diagnosis.
[1] Any surgery may include biopsy
[2] In expansion, only collected for Hodgkin survivors
[3] In expansion, only collected for STS and Bone tumor survivors

Surgery: All CNS

				Any surgery[1]			Splenectomy[2]		Amputation[3]		Limb-sparing procedure[3]	
			All cases	Yes	No	Unknown	N	%	N	%	N	%
Both sexes	**All cases**		**4211**	**3999**	**172**	**40**	**.**	**.**	**1**	**0.0**	**25**	**0.6**
	Age at baseline	<18	891	836	45	10	.	.	.	.	7	0.8
		18-19	349	324	21	4	.	.	.	.	1	0.3
		20-24	1103	1048	48	7	.	.	.	.	3	0.3
		25-29	1029	978	42	9	.	.	1	0.1	8	0.8
		30-34	586	567	13	6	.	.	.	.	4	0.7
		35+	253	246	3	4	.	.	.	.	2	0.8
	Years since diagnosis	5-9	430	409	15	6	.	.	.	.	1	0.2
		10-14	1427	1363	55	9	.	.	1	0.1	12	0.8
		15-19	1335	1262	57	16	.	.	.	.	7	0.5
		20+	1019	965	45	9	.	.	.	.	5	0.5
	Age at diagnosis	<1	206	189	16	1	.	.	.	.	2	1.0
		1-4	1231	1144	75	12	.	.	.	.	6	0.5
		5-9	1331	1266	52	13	.	.	.	.	4	0.3
		10-14	1005	974	22	9	.	.	1	0.1	10	1.0
		15-20	438	426	7	5	.	.	.	.	3	0.7
Males	**All cases**		**2292**	**2173**	**91**	**28**	**.**	**.**	**1**	**0.0**	**11**	**0.5**
	Age at baseline	<18	494	464	23	7	.	.	.	.	2	0.4
		18-19	177	162	12	3	.	.	.	.	1	0.6
		20-24	590	561	24	5	.	.	.	.	.	.
		25-29	584	557	22	5	.	.	1	0.2	3	0.5
		30-34	312	300	8	4	.	.	.	.	4	1.3
		35+	135	129	2	4	.	.	.	.	1	0.8
	Years since diagnosis	5-9	244	234	6	4	.	.	.	.	.	.
		10-14	768	730	33	5	.	.	1	0.1	4	0.5
		15-19	726	687	26	13	.	.	.	.	3	0.4
		20+	554	522	26	6	.	.	.	.	4	0.7
	Age at diagnosis	<1	121	110	10	1	.	.	.	.	1	0.8
		1-4	652	611	33	8	.	.	.	.	2	0.3
		5-9	741	698	34	9	.	.	.	.	1	0.1
		10-14	531	513	12	6	.	.	1	0.2	5	0.9
		15-20	247	241	2	4	.	.	.	.	2	0.8
Females	**All cases**		**1919**	**1826**	**81**	**12**	**.**	**.**	**.**	**.**	**14**	**0.7**
	Age at baseline	<18	397	372	22	3	.	.	.	.	5	1.3
		18-19	172	162	9	1	.	.	.	.	.	.
		20-24	513	487	24	2	.	.	.	.	3	0.6
		25-29	445	421	20	4	.	.	.	.	5	1.1
		30-34	274	267	5	2	.	.	.	.	.	.
		35+	118	117	1	.	.	.	.	.	1	0.8
	Years since diagnosis	5-9	186	175	9	2	.	.	.	.	1	0.5
		10-14	659	633	22	4	.	.	.	.	8	1.2
		15-19	609	575	31	3	.	.	.	.	4	0.7
		20+	465	443	19	3	.	.	.	.	1	0.2
	Age at diagnosis	<1	85	79	6	.	.	.	.	.	1	1.2
		1-4	579	533	42	4	.	.	.	.	4	0.7
		5-9	590	568	18	4	.	.	.	.	3	0.5

CCSS data from the March 2026 freeze; % based on nonmissing values.
Participants had medical record abstraction, a completed baseline questionnaire, and treatment within 5 years of diagnosis.
[1] Any surgery may include biopsy
[2] In expansion, only collected for Hodgkin survivors
[3] In expansion, only collected for STS and Bone tumor survivors

				Any surgery[1]			Splenectomy[2]		Amputation[3]		Limb-sparing procedure[3]	
			All cases	Yes	No	Unknown	N	%	N	%	N	%
		10-14	474	461	10	3	.	.	.	.	5	1.1
		15-20	191	185	5	1	.	.	.	.	1	0.5

CCSS data from the March 2026 freeze; % based on nonmissing values.
Participants had medical record abstraction, a completed baseline questionnaire, and treatment within 5 years of diagnosis.
[1] Any surgery may include biopsy
[2] In expansion, only collected for Hodgkin survivors
[3] In expansion, only collected for STS and Bone tumor survivors

Surgery: Astrocytomas

				Any surgery[1]			Splenectomy[2]		Amputation[3]		Limb-sparing procedure[3]	
			All cases	Yes	No	Unknown	N	%	N	%	N	%
Both sexes	**All cases**		**2528**	**2335**	**164**	**29**	**.**	**.**	**1**	**0.0**	**16**	**0.6**
	Age at baseline	<18	493	441	44	8	.	.	.	.	4	0.8
		18-19	202	178	20	4	.	.	.	.	1	0.5
		20-24	668	616	47	5	.	.	.	.	2	0.3
		25-29	636	589	39	8	.	.	1	0.2	4	0.6
		30-34	360	345	12	3	.	.	.	.	3	0.8
		35+	169	166	2	1	.	.	.	.	2	1.2
	Years since diagnosis	5-9	220	204	13	3	.	.	.	.	.	.
		10-14	840	779	53	8	.	.	1	0.1	7	0.8
		15-19	784	719	53	12	.	.	.	.	4	0.5
		20+	684	633	45	6	.	.	.	.	5	0.7
	Age at diagnosis	<1	145	128	16	1	.	.	.	.	2	1.4
		1-4	748	663	74	11	.	.	.	.	3	0.4
		5-9	753	691	52	10	.	.	.	.	3	0.4
		10-14	603	582	16	5	.	.	1	0.2	8	1.3
		15-20	279	271	6	2	.	.	.	.	.	.
Males	**All cases**		**1315**	**1212**	**84**	**19**	**.**	**.**	**1**	**0.1**	**8**	**0.6**
	Age at baseline	<18	258	230	22	6	.	.	.	.	1	0.4
		18-19	102	88	11	3	.	.	.	.	1	1.0
		20-24	329	303	23	3	.	.	.	.	.	.
		25-29	356	332	20	4	.	.	1	0.3	2	0.6
		30-34	181	172	7	2	.	.	.	.	3	1.7
		35+	89	87	1	1	.	.	.	.	1	1.1
	Years since diagnosis	5-9	118	112	4	2	.	.	.	.	.	.
		10-14	438	403	31	4	.	.	1	0.2	2	0.5
		15-19	396	363	23	10	.	.	.	.	2	0.5
		20+	363	334	26	3	.	.	.	.	4	1.1
	Age at diagnosis	<1	81	70	10	1	.	.	.	.	1	1.2
		1-4	378	339	32	7	.	.	.	.	1	0.3
		5-9	397	356	34	7	.	.	.	.	1	0.3
		10-14	304	294	7	3	.	.	1	0.3	5	1.7
		15-20	155	153	1	1	.	.	.	.	.	.
Females	**All cases**		**1213**	**1123**	**80**	**10**	**.**	**.**	**.**	**.**	**8**	**0.7**
	Age at baseline	<18	235	211	22	2	.	.	.	.	3	1.3
		18-19	100	90	9	1	.	.	.	.	.	.
		20-24	339	313	24	2	.	.	.	.	2	0.6
		25-29	280	257	19	4	.	.	.	.	2	0.7
		30-34	179	173	5	1	.	.	.	.	.	.
		35+	80	79	1	.	.	.	.	.	1	1.3
	Years since diagnosis	5-9	102	92	9	1	.	.	.	.	.	.
		10-14	402	376	22	4	.	.	.	.	5	1.2
		15-19	388	356	30	2	.	.	.	.	2	0.5
		20+	321	299	19	3	.	.	.	.	1	0.3
	Age at diagnosis	<1	64	58	6	.	.	.	.	.	1	1.6
		1-4	370	324	42	4	.	.	.	.	2	0.5
		5-9	356	335	18	3	.	.	.	.	2	0.6

CCSS data from the March 2026 freeze; % based on nonmissing values.
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[1] Any surgery may include biopsy
[2] In expansion, only collected for Hodgkin survivors
[3] In expansion, only collected for STS and Bone tumor survivors

				Any surgery[1]			Splenectomy[2]		Amputation[3]		Limb-sparing procedure[3]	
			All cases	Yes	No	Unknown	N	%	N	%	N	%
		10-14	299	288	9	2	.	.	.	.	3	1.0
		15-20	124	118	5	1	.	.	.	.	.	.

CCSS data from the March 2026 freeze; % based on nonmissing values.
Participants had medical record abstraction, a completed baseline questionnaire, and treatment within 5 years of diagnosis.
[1] Any surgery may include biopsy
[2] In expansion, only collected for Hodgkin survivors
[3] In expansion, only collected for STS and Bone tumor survivors

				Any surgery[1]			Splenectomy[2]		Amputation[3]		Limb-sparing procedure[3]	
			All cases	Yes	No	Unknown	N	%	N	%	N	%
Both sexes	**All cases**		**983**	**974**	**2**	**7**	**.**	**.**	**.**	**.**	**4**	**0.4**
	Age at baseline	<18	233	231	.	2	.	.	.	.	1	0.4
		18-19	77	76	1	.	.	.	.	.	.	.
		20-24	276	274	.	2	.	.	.	.	.	.
		25-29	236	236	.	.	.	.	.	.	2	0.8
		30-34	127	125	1	1	.	.	.	.	1	0.8
		35+	34	32	.	2	.	.	.	.	.	.
	Years since diagnosis	5-9	120	116	1	3	.	.	.	.	.	.
		10-14	334	334	.	.	.	.	.	.	1	0.3
		15-19	325	322	1	2	.	.	.	.	3	0.9
		20+	204	202	.	2	.	.	.	.	.	.
	Age at diagnosis	<1	23	23	.	.	.	.	.	.	.	.
		1-4	280	279	.	1	.	.	.	.	1	0.4
		5-9	402	399	.	3	.	.	.	.	1	0.2
		10-14	220	216	2	2	.	.	.	.	1	0.5
		15-20	58	57	.	1	.	.	.	.	1	1.7
Males	**All cases**		**600**	**593**	**2**	**5**	**.**	**.**	**.**	**.**	**1**	**0.2**
	Age at baseline	<18	141	140	.	1	.	.	.	.	.	.
		18-19	44	43	1	.	.	.	.	.	.	.
		20-24	178	176	.	2	.	.	.	.	.	.
		25-29	145	145	.	.	.	.	.	.	.	.
		30-34	71	70	1	.	.	.	.	.	1	1.4
		35+	21	19	.	2	.	.	.	.	.	.
	Years since diagnosis	5-9	73	70	1	2	.	.	.	.	.	.
		10-14	197	197	.	.	.	.	.	.	.	.
		15-19	207	205	1	1	.	.	.	.	1	0.5
		20+	123	121	.	2	.	.	.	.	.	.
	Age at diagnosis	<1	16	16	.	.	.	.	.	.	.	.
		1-4	168	167	.	1	.	.	.	.	.	.
		5-9	256	254	.	2	.	.	.	.	.	.
		10-14	125	122	2	1	.	.	.	.	.	.
		15-20	35	34	.	1	.	.	.	.	1	2.9
Females	**All cases**		**383**	**381**	**.**	**2**	**.**	**.**	**.**	**.**	**3**	**0.8**
	Age at baseline	<18	92	91	.	1	.	.	.	.	1	1.1
		18-19	33	33	.	.	.	.	.	.	.	.
		20-24	98	98	.	.	.	.	.	.	.	.
		25-29	91	91	.	.	.	.	.	.	2	2.2
		30-34	56	55	.	1	.	.	.	.	.	.
		35+	13	13	.	.	.	.	.	.	.	.
	Years since diagnosis	5-9	47	46	.	1	.	.	.	.	.	.
		10-14	137	137	.	.	.	.	.	.	1	0.7
		15-19	118	117	.	1	.	.	.	.	2	1.7
		20+	81	81	.	.	.	.	.	.	.	.
	Age at diagnosis	<1	7	7	.	.	.	.	.	.	.	.
		1-4	112	112	.	.	.	.	.	.	1	0.9
		5-9	146	145	.	1	.	.	.	.	1	0.7

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[2] In expansion, only collected for Hodgkin survivors
[3] In expansion, only collected for STS and Bone tumor survivors

				Any surgery[1]			Splenectomy[2]		Amputation[3]		Limb-sparing procedure[3]	
			All cases	Yes	No	Unknown	N	%	N	%	N	%
		10-14	95	94	.	1	.	.	.	.	1	1.1
		15-20	23	23	.	.	.	.	.	.	.	.

CCSS data from the March 2026 freeze; % based on nonmissing values.
Participants had medical record abstraction, a completed baseline questionnaire, and treatment within 5 years of diagnosis.
[1] Any surgery may include biopsy
[2] In expansion, only collected for Hodgkin survivors
[3] In expansion, only collected for STS and Bone tumor survivors

Surgery: Hodgkin

				Any surgery[1]			Splenectomy[2]		Amputation[3]		Limb-sparing procedure[3]	
			All cases	Yes	No	Unknown	N	%	N	%	N	%
Both sexes	**All cases**		**2839**	**2689**	**131**	**19**	**1335**	**49.5**	**1**	**0.0**	**14**	**0.5**
	Age at baseline	<18	55	52	3	.	20	37.7	.	.	.	.
		18-19	54	54	.	.	27	50.0	.	.	.	.
		20-24	330	319	10	1	144	44.9	.	.	.	.
		25-29	734	695	35	4	298	42.8	.	.	5	0.7
		30-34	867	818	40	9	393	48.4	1	0.1	6	0.7
		35+	799	751	43	5	453	59.6	.	.	3	0.4
	Years since diagnosis	5-9	222	212	10	.	112	50.9	.	.	1	0.5
		10-14	866	831	28	7	339	41.0	.	.	3	0.3
		15-19	933	886	40	7	408	46.5	1	0.1	6	0.6
		20+	818	760	53	5	476	61.7	.	.	4	0.5
	Age at diagnosis	1-4	70	66	4	.	29	43.3	.	.	.	.
		5-9	356	337	18	1	164	48.1	.	.	1	0.3
		10-14	1029	981	42	6	495	50.8	1	0.1	6	0.6
		15-20	1384	1305	67	12	647	49.3	.	.	7	0.5
Males	**All cases**		**1468**	**1389**	**73**	**6**	**685**	**49.1**	**1**	**0.1**	**7**	**0.5**
	Age at baseline	<18	42	40	2	.	15	36.6	.	.	.	.
		18-19	43	43	.	.	22	51.2	.	.	.	.
		20-24	210	200	9	1	90	44.6	.	.	.	.
		25-29	402	383	18	1	173	44.9	.	.	2	0.5
		30-34	433	408	22	3	187	46.4	1	0.2	3	0.7
		35+	338	315	22	1	198	61.9	.	.	2	0.6
	Years since diagnosis	5-9	127	119	8	.	65	51.6	.	.	1	0.8
		10-14	440	428	11	1	181	42.8	.	.	1	0.2
		15-19	495	471	21	3	209	44.4	1	0.2	3	0.6
		20+	406	371	33	2	230	61.5	.	.	2	0.5
	Age at diagnosis	1-4	52	48	4	.	19	38.8	.	.	.	.
		5-9	261	246	14	1	115	46.4	.	.	1	0.4
		10-14	525	500	22	3	245	49.2	1	0.2	1	0.2
		15-20	630	595	33	2	306	51.1	.	.	5	0.8
Females	**All cases**		**1371**	**1300**	**58**	**13**	**650**	**49.9**	**.**	**.**	**7**	**0.5**
	Age at baseline	<18	13	12	1	.	5	41.7	.	.	.	.
		18-19	11	11	.	.	5	45.5	.	.	.	.
		20-24	120	119	1	.	54	45.4	.	.	.	.
		25-29	332	312	17	3	125	40.2	.	.	3	0.9
		30-34	434	410	18	6	206	50.4	.	.	3	0.7
		35+	461	436	21	4	255	58.0	.	.	1	0.2
	Years since diagnosis	5-9	95	93	2	.	47	50.0	.	.	.	.
		10-14	426	403	17	6	158	39.1	.	.	2	0.5
		15-19	438	415	19	4	199	49.0	.	.	3	0.7
		20+	412	389	20	3	246	61.8	.	.	2	0.5
	Age at diagnosis	1-4	18	18	.	.	10	55.6	.	.	.	.
		5-9	95	91	4	.	49	52.7	.	.	.	.
		10-14	504	481	20	3	250	52.4	.	.	5	1.0
		15-20	754	710	34	10	341	47.8	.	.	2	0.3

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[1] *Any surgery may include biopsy*
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[3] *In expansion, only collected for STS and Bone tumor survivors*

Surgery: NHL

				Any surgery[1]			Splenectomy[2]		Amputation[3]		Limb-sparing procedure[3]	
			All cases	Yes	No	Unknown	N	%	N	%	N	%
Both sexes	**All cases**		**1933**	**1706**	**216**	**11**	**50**	**2.6**	**.**	**.**	**13**	**0.7**
	Age at baseline	<18	200	186	14	.	1	0.5	.	.	.	.
		18-19	119	104	13	2	1	0.8	.	.	.	.
		20-24	409	359	50	.	5	1.2	.	.	4	1.0
		25-29	533	474	53	6	10	1.9	.	.	4	0.8
		30-34	443	379	64	.	14	3.2	.	.	1	0.2
		35+	229	204	22	3	19	8.3	.	.	4	1.8
	Years since diagnosis	5-9	132	125	6	1	3	2.3	.	.	1	0.8
		10-14	608	538	67	3	15	2.5	.	.	2	0.3
		15-19	665	582	80	3	11	1.7	.	.	4	0.6
		20+	528	461	63	4	21	4.0	.	.	6	1.1
	Age at diagnosis	<1	12	9	3	.	.	.	.	.	.	.
		1-4	320	281	38	1	2	0.6	.	.	1	0.3
		5-9	588	529	56	3	7	1.2	.	.	4	0.7
		10-14	604	522	78	4	9	1.5	.	.	5	0.8
		15-20	409	365	41	3	32	7.9	.	.	3	0.7
Males	**All cases**		**1304**	**1160**	**138**	**6**	**35**	**2.7**	**.**	**.**	**11**	**0.8**
	Age at baseline	<18	138	131	7	.	1	0.7	.	.	.	.
		18-19	87	80	6	1	.	.	.	.	.	.
		20-24	268	240	28	.	4	1.5	.	.	3	1.1
		25-29	372	329	39	4	9	2.4	.	.	4	1.1
		30-34	291	246	45	.	9	3.1	.	.	1	0.3
		35+	148	134	13	1	12	8.2	.	.	3	2.0
	Years since diagnosis	5-9	99	94	5	.	3	3.0	.	.	1	1.0
		10-14	412	373	37	2	14	3.4	.	.	2	0.5
		15-19	433	380	52	1	2	0.5	.	.	3	0.7
		20+	360	313	44	3	16	4.5	.	.	5	1.4
	Age at diagnosis	<1	3	3	.	.	.	.	.	.	.	.
		1-4	215	190	24	1	1	0.5	.	.	1	0.5
		5-9	411	371	37	3	4	1.0	.	.	3	0.7
		10-14	412	366	45	1	8	1.9	.	.	5	1.2
		15-20	263	230	32	1	22	8.4	.	.	2	0.8
Females	**All cases**		**629**	**546**	**78**	**5**	**15**	**2.4**	**.**	**.**	**2**	**0.3**
	Age at baseline	<18	62	55	7	.	.	.	.	.	.	.
		18-19	32	24	7	1	1	3.1	.	.	.	.
		20-24	141	119	22	.	1	0.7	.	.	1	0.7
		25-29	161	145	14	2	1	0.6	.	.	.	.
		30-34	152	133	19	.	5	3.3	.	.	.	.
		35+	81	70	9	2	7	8.6	.	.	1	1.2
	Years since diagnosis	5-9	33	31	1	1	.	.	.	.	.	.
		10-14	196	165	30	1	1	0.5	.	.	.	.
		15-19	232	202	28	2	9	3.9	.	.	1	0.4
		20+	168	148	19	1	5	3.0	.	.	1	0.6
	Age at diagnosis	<1	9	6	3	.	.	.	.	.	.	.
		1-4	105	91	14	.	1	1.0	.	.	.	.
		5-9	177	158	19	.	3	1.7	.	.	1	0.6

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[1] Any surgery may include biopsy
[2] In expansion, only collected for Hodgkin survivors
[3] In expansion, only collected for STS and Bone tumor survivors

Surgery: NHL

				Any surgery[1]			Splenectomy[2]		Amputation[3]		Limb-sparing procedure[3]	
			All cases	Yes	No	Unknown	N	%	N	%	N	%
		10-14	192	156	33	3	1	0.5	.	.	.	.
		15-20	146	135	9	2	10	6.8	.	.	1	0.7

CCSS data from the March 2026 freeze; % based on nonmissing values.
Participants had medical record abstraction, a completed baseline questionnaire, and treatment within 5 years of diagnosis.
[1] Any surgery may include biopsy
[2] In expansion, only collected for Hodgkin survivors
[3] In expansion, only collected for STS and Bone tumor survivors

Surgery: Wilms

				Any surgery[1]			Splenectomy[2]		Amputation[3]		Limb-sparing procedure[3]	
			All cases	Yes	No	Unknown	N	%	N	%	N	%
Both sexes	**All cases**		**2087**	**2082**	**3**	**2**	**23**	**1.1**	**1**	**0.0**	**3**	**0.1**
	Age at baseline	<18	762	761	1	.	3	0.4	.	.	.	.
		18-19	276	275	.	1	4	1.4	.	.	.	.
		20-24	616	613	2	1	5	0.8	.	.	1	0.2
		25-29	347	347	.	.	10	2.9	1	0.3	1	0.3
		30-34	69	69	.	.	1	1.4	.	.	1	1.4
		35+	17	17	.	.	.	.	.	.	.	.
	Years since diagnosis	5-9	168	168	.	.	1	0.6	.	.	.	.
		10-14	674	673	1	.	4	0.6	.	.	1	0.1
		15-19	685	684	.	1	8	1.2	.	.	.	.
		20+	560	557	2	1	10	1.8	1	0.2	2	0.4
	Age at diagnosis	<1	305	303	1	1	2	0.7	.	.	.	.
		1-4	1270	1267	2	1	15	1.2	.	.	1	0.1
		5-9	436	436	.	.	5	1.1	1	0.2	1	0.2
		10-14	56	56	.	.	1	1.8	.	.	1	1.8
		15-20	20	20	.	.	.	.	.	.	.	.
Males	**All cases**		**924**	**921**	**2**	**1**	**9**	**1.0**	**.**	**.**	**1**	**0.1**
	Age at baseline	<18	370	369	1	.	.	.	.	.	.	.
		18-19	111	111	.	.	3	2.7	.	.	.	.
		20-24	255	253	1	1	.	.	.	.	1	0.4
		25-29	152	152	.	.	5	3.3	.	.	.	.
		30-34	29	29	.	.	1	3.4	.	.	.	.
		35+	7	7	.	.	.	.	.	.	.	.
	Years since diagnosis	5-9	75	75	.	.	.	.	.	.	.	.
		10-14	306	305	1	.	.	.	.	.	1	0.3
		15-19	292	292	.	.	3	1.0	.	.	.	.
		20+	251	249	1	1	6	2.4	.	.	.	.
	Age at diagnosis	<1	152	150	1	1	1	0.7	.	.	.	.
		1-4	567	566	1	.	6	1.1	.	.	.	.
		5-9	177	177	.	.	2	1.1	.	.	.	.
		10-14	20	20	.	.	.	.	.	.	1	5.0
		15-20	8	8	.	.	.	.	.	.	.	.
Females	**All cases**		**1163**	**1161**	**1**	**1**	**14**	**1.2**	**1**	**0.1**	**2**	**0.2**
	Age at baseline	<18	392	392	.	.	3	0.8	.	.	.	.
		18-19	165	164	.	1	1	0.6	.	.	.	.
		20-24	361	360	1	.	5	1.4	.	.	.	.
		25-29	195	195	.	.	5	2.6	1	0.5	1	0.5
		30-34	40	40	.	.	.	.	.	.	1	2.5
		35+	10	10	.	.	.	.	.	.	.	.
	Years since diagnosis	5-9	93	93	.	.	1	1.1	.	.	.	.
		10-14	368	368	.	.	4	1.1	.	.	.	.
		15-19	393	392	.	1	5	1.3	.	.	.	.
		20+	309	308	1	.	4	1.3	1	0.3	2	0.6
	Age at diagnosis	<1	153	153	.	.	1	0.7	.	.	.	.
		1-4	703	701	1	1	9	1.3	.	.	1	0.1
		5-9	259	259	.	.	3	1.2	1	0.4	1	0.4

CCSS data from the March 2026 freeze; % based on nonmissing values.
Participants had medical record abstraction, a completed baseline questionnaire, and treatment within 5 years of diagnosis.
[1] Any surgery may include biopsy
[2] In expansion, only collected for Hodgkin survivors
[3] In expansion, only collected for STS and Bone tumor survivors

				Any surgery[1]			Splenectomy[2]		Amputation[3]		Limb-sparing procedure[3]	
			All cases	Yes	No	Unknown	N	%	N	%	N	%
		10-14	36	36	.	.	1	2.8	.	.	.	.
		15-20	12	12	.	.	.	.	.	.	.	.

CCSS data from the March 2026 freeze; % based on nonmissing values.
Participants had medical record abstraction, a completed baseline questionnaire, and treatment within 5 years of diagnosis.
[1] Any surgery may include biopsy
[2] In expansion, only collected for Hodgkin survivors
[3] In expansion, only collected for STS and Bone tumor survivors

Surgery: Neuroblastoma

				Any surgery[1]			Splenectomy[2]		Amputation[3]		Limb-sparing procedure[3]	
			All cases	Yes	No	Unknown	N	%	N	%	N	%
Both sexes	**All cases**		**1811**	**1773**	**27**	**11**	**4**	**0.2**	**.**	**.**	**43**	**2.4**
	Age at baseline	<18	890	871	15	4	2	0.2	.	.	18	2.0
		18-19	216	214	2	.	.	.	.	.	10	4.6
		20-24	511	503	6	2	1	0.2	.	.	12	2.3
		25-29	154	148	3	3	1	0.6	.	.	2	1.3
		30-34	34	31	1	2	.	.	.	.	1	3.0
		35+	6	6	.	.	.	.	.	.	.	.
	Years since diagnosis	5-9	152	149	1	2	1	0.7	.	.	5	3.3
		10-14	559	550	7	2	1	0.2	.	.	12	2.1
		15-19	594	583	10	1	.	.	.	.	17	2.9
		20+	506	491	9	6	2	0.4	.	.	9	1.8
	Age at diagnosis	<1	917	898	17	2	2	0.2	.	.	24	2.6
		1-4	713	700	8	5	1	0.1	.	.	13	1.8
		5-9	137	132	2	3	1	0.7	.	.	2	1.5
		10-14	27	26	.	1	.	.	.	.	3	11.1
		15-20	17	17	.	.	.	.	.	.	1	5.9
Males	**All cases**		**876**	**857**	**14**	**5**	**2**	**0.2**	**.**	**.**	**24**	**2.7**
	Age at baseline	<18	441	430	9	2	.	.	.	.	13	2.9
		18-19	94	94	.	.	.	.	.	.	5	5.3
		20-24	259	255	2	2	1	0.4	.	.	6	2.3
		25-29	66	63	2	1	1	1.5	.	.	.	.
		30-34	14	13	1	.	.	.	.	.	.	.
		35+	2	2	.	.	.	.	.	.	.	.
	Years since diagnosis	5-9	72	70	1	1	.	.	.	.	2	2.8
		10-14	275	270	4	1	.	.	.	.	7	2.5
		15-19	284	279	5	.	.	.	.	.	10	3.5
		20+	245	238	4	3	2	0.8	.	.	5	2.0
	Age at diagnosis	<1	472	463	8	1	1	0.2	.	.	17	3.6
		1-4	320	313	4	3	1	0.3	.	.	7	2.2
		5-9	68	65	2	1	.	.	.	.	.	.
		10-14	10	10	.	.	.	.	.	.	.	.
		15-20	6	6	.	.	.	.	.	.	.	.
Females	**All cases**		**935**	**916**	**13**	**6**	**2**	**0.2**	**.**	**.**	**19**	**2.0**
	Age at baseline	<18	449	441	6	2	2	0.4	.	.	5	1.1
		18-19	122	120	2	.	.	.	.	.	5	4.1
		20-24	252	248	4	.	.	.	.	.	6	2.4
		25-29	88	85	1	2	.	.	.	.	2	2.3
		30-34	20	18	.	2	.	.	.	.	1	5.3
		35+	4	4	.	.	.	.	.	.	.	.
	Years since diagnosis	5-9	80	79	.	1	1	1.3	.	.	3	3.8
		10-14	284	280	3	1	1	0.4	.	.	5	1.8
		15-19	310	304	5	1	.	.	.	.	7	2.3
		20+	261	253	5	3	.	.	.	.	4	1.5
	Age at diagnosis	<1	445	435	9	1	1	0.2	.	.	7	1.6
		1-4	393	387	4	2	.	.	.	.	6	1.5
		5-9	69	67	.	2	1	1.5	.	.	2	2.9

CCSS data from the March 2026 freeze; % based on nonmissing values.
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[1] Any surgery may include biopsy
[2] In expansion, only collected for Hodgkin survivors
[3] In expansion, only collected for STS and Bone tumor survivors

				Any surgery[1]			Splenectomy[2]		Amputation[3]		Limb-sparing procedure[3]	
			All cases	Yes	No	Unknown	N	%	N	%	N	%
		10-14	17	16	.	1	.	.	.	.	3	17.6
		15-20	11	11	.	.	.	.	.	.	1	9.1

CCSS data from the March 2026 freeze; % based on nonmissing values.
Participants had medical record abstraction, a completed baseline questionnaire, and treatment within 5 years of diagnosis.
[1] Any surgery may include biopsy
[2] In expansion, only collected for Hodgkin survivors
[3] In expansion, only collected for STS and Bone tumor survivors

Surgery: STS

				Any surgery[1]			Splenectomy[2]		Amputation[3]		Limb-sparing procedure[3]	
			All cases	Yes	No	Unknown	N	%	N	%	N	%
Both sexes	**All cases**		**1596**	**1571**	**10**	**15**	**2**	**0.1**	**75**	**4.7**	**83**	**5.2**
	Age at baseline	<18	313	312	1	.	.	.	10	3.2	12	3.9
		18-19	115	113	.	2	.	.	2	1.8	3	2.7
		20-24	383	379	.	4	1	0.3	10	2.6	19	5.0
		25-29	354	347	3	4	.	.	19	5.4	20	5.7
		30-34	267	265	1	1	1	0.4	12	4.5	19	7.1
		35+	164	155	5	4	.	.	22	13.6	10	6.2
	Years since diagnosis	5-9	165	165	.	.	.	.	11	6.7	15	9.1
		10-14	473	468	2	3	.	.	12	2.5	27	5.7
		15-19	499	487	6	6	2	0.4	20	4.0	24	4.9
		20+	459	451	2	6	.	.	32	7.0	17	3.7
	Age at diagnosis	<1	108	107	.	1	.	.	8	7.4	4	3.8
		1-4	513	508	1	4	.	.	9	1.8	14	2.8
		5-9	361	358	1	2	1	0.3	11	3.0	18	5.0
		10-14	313	307	3	3	.	.	21	6.7	20	6.4
		15-20	301	291	5	5	1	0.3	26	8.8	27	9.1
Males	**All cases**		**853**	**842**	**5**	**6**	**1**	**0.1**	**39**	**4.6**	**44**	**5.2**
	Age at baseline	<18	179	178	1	.	.	.	4	2.2	7	4.0
		18-19	58	58	.	.	.	.	1	1.7	.	.
		20-24	214	211	.	3	1	0.5	5	2.3	10	4.7
		25-29	182	182	.	.	.	.	12	6.6	10	5.5
		30-34	141	140	1	.	.	.	5	3.5	11	7.8
		35+	79	73	3	3	.	.	12	15.2	6	7.6
	Years since diagnosis	5-9	89	89	.	.	.	.	4	4.5	7	7.9
		10-14	264	263	1	.	.	.	7	2.7	15	5.7
		15-19	253	248	3	2	1	0.4	12	4.7	13	5.2
		20+	247	242	1	4	.	.	16	6.5	9	3.7
	Age at diagnosis	<1	44	44	.	.	.	.	3	6.8	2	4.5
		1-4	298	295	1	2	.	.	8	2.7	5	1.7
		5-9	203	202	.	1	1	0.5	4	2.0	9	4.4
		10-14	167	164	1	2	.	.	13	7.8	17	10.2
		15-20	141	137	3	1	.	.	11	7.8	11	7.8
Females	**All cases**		**743**	**729**	**5**	**9**	**1**	**0.1**	**36**	**4.9**	**39**	**5.3**
	Age at baseline	<18	134	134	.	.	.	.	6	4.5	5	3.7
		18-19	57	55	.	2	.	.	1	1.8	3	5.5
		20-24	169	168	.	1	.	.	5	3.0	9	5.4
		25-29	172	165	3	4	.	.	7	4.1	10	5.9
		30-34	126	125	.	1	1	0.8	7	5.6	8	6.4
		35+	85	82	2	1	.	.	10	12.0	4	4.9
	Years since diagnosis	5-9	76	76	.	.	.	.	7	9.3	8	10.5
		10-14	209	205	1	3	.	.	5	2.4	12	5.8
		15-19	246	239	3	4	1	0.4	8	3.3	11	4.6
		20+	212	209	1	2	.	.	16	7.6	8	3.8
	Age at diagnosis	<1	64	63	.	1	.	.	5	7.8	2	3.3
		1-4	215	213	.	2	.	.	1	0.5	9	4.2
		5-9	158	156	1	1	.	.	7	4.4	9	5.7

CCSS data from the March 2026 freeze; % based on nonmissing values.
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[1] Any surgery may include biopsy
[2] In expansion, only collected for Hodgkin survivors
[3] In expansion, only collected for STS and Bone tumor survivors

				Any surgery[1]			Splenectomy[2]		Amputation[3]		Limb-sparing procedure[3]	
			All cases	Yes	No	Unknown	N	%	N	%	N	%
		10-14	146	143	2	1	.	.	8	5.5	3	2.1
		15-20	160	154	2	4	1	0.6	15	9.7	16	10.3

CCSS data from the March 2026 freeze; % based on nonmissing values.
Participants had medical record abstraction, a completed baseline questionnaire, and treatment within 5 years of diagnosis.
[1] Any surgery may include biopsy
[2] In expansion, only collected for Hodgkin survivors
[3] In expansion, only collected for STS and Bone tumor survivors

Surgery: All bone

				Any surgery[1]			Splenectomy[2]		Amputation[3]		Limb-sparing procedure[3]	
			All cases	Yes	No	Unknown	N	%	N	%	N	%
Both sexes	**All cases**		**1937**	**1916**	**17**	**4**	**.**	**.**	**675**	**35.1**	**899**	**49.5**
	Age at baseline	<18	85	84	1	.	.	.	24	28.2	33	39.3
		18-19	66	65	1	.	.	.	18	27.3	29	45.3
		20-24	360	357	3	.	.	.	124	34.6	159	46.9
		25-29	528	523	4	1	.	.	168	32.2	260	53.5
		30-34	521	515	4	2	.	.	194	37.6	245	50.4
		35+	377	372	4	1	.	.	147	39.3	173	48.5
	Years since diagnosis	5-9	216	214	2	.	.	.	69	32.2	106	51.2
		10-14	630	624	5	1	.	.	186	29.7	316	51.9
		15-19	635	631	2	2	.	.	242	38.4	297	50.3
		20+	456	447	8	1	.	.	178	39.6	180	43.9
	Age at diagnosis	<1	8	8	.	.	.	.	.	.	2	25.0
		1-4	80	79	1	.	.	.	25	31.3	21	28.8
		5-9	337	332	5	.	.	.	117	35.1	123	40.9
		10-14	776	769	6	1	.	.	287	37.3	378	51.9
		15-20	736	728	5	3	.	.	246	33.7	375	53.2
Males	**All cases**		**983**	**973**	**7**	**3**	**.**	**.**	**352**	**36.2**	**457**	**49.8**
	Age at baseline	<18	43	42	1	.	.	.	17	39.5	19	44.2
		18-19	33	33	.	.	.	.	9	27.3	15	46.9
		20-24	175	173	2	.	.	.	62	35.6	79	49.1
		25-29	274	273	.	1	.	.	87	32.1	133	51.6
		30-34	258	255	2	1	.	.	97	38.2	117	49.2
		35+	200	197	2	1	.	.	80	40.6	94	50.5
	Years since diagnosis	5-9	115	114	1	.	.	.	42	36.8	55	50.9
		10-14	319	316	2	1	.	.	105	33.1	162	52.4
		15-19	323	321	1	1	.	.	119	37.2	150	49.8
		20+	226	222	3	1	.	.	86	38.9	90	45.0
	Age at diagnosis	<1	4	4	.	.	.	.	.	.	.	.
		1-4	41	40	1	.	.	.	10	24.4	11	30.6
		5-9	172	170	2	.	.	.	65	38.2	65	41.4
		10-14	364	362	1	1	.	.	128	35.5	184	53.6
		15-20	402	397	3	2	.	.	149	37.6	197	52.1
Females	**All cases**		**954**	**943**	**10**	**1**	**.**	**.**	**323**	**34.0**	**442**	**49.2**
	Age at baseline	<18	42	42	.	.	.	.	7	16.7	14	34.1
		18-19	33	32	1	.	.	.	9	27.3	14	43.8
		20-24	185	184	1	.	.	.	62	33.7	80	44.9
		25-29	254	250	4	.	.	.	81	32.3	127	55.7
		30-34	263	260	2	1	.	.	97	37.0	128	51.6
		35+	177	175	2	.	.	.	67	37.9	79	46.2
	Years since diagnosis	5-9	101	100	1	.	.	.	27	27.0	51	51.5
		10-14	311	308	3	.	.	.	81	26.1	154	51.3
		15-19	312	310	1	1	.	.	123	39.5	147	50.9
		20+	230	225	5	.	.	.	92	40.4	90	42.9
	Age at diagnosis	<1	4	4	.	.	.	.	.	.	2	50.0
		1-4	39	39	.	.	.	.	15	38.5	10	27.0
		5-9	165	162	3	.	.	.	52	31.9	58	40.3

CCSS data from the March 2026 freeze; % based on nonmissing values.
Participants had medical record abstraction, a completed baseline questionnaire, and treatment within 5 years of diagnosis.
[1] Any surgery may include biopsy
[2] In expansion, only collected for Hodgkin survivors
[3] In expansion, only collected for STS and Bone tumor survivors

Surgery: All bone

				Any surgery[1]			Splenectomy[2]		Amputation[3]		Limb-sparing procedure[3]	
			All cases	Yes	No	Unknown	N	%	N	%	N	%
		10-14	412	407	5	.	.	.	159	38.9	194	50.3
		15-20	334	331	2	1	.	.	97	29.0	178	54.4

CCSS data from the March 2026 freeze; % based on nonmissing values.
Participants had medical record abstraction, a completed baseline questionnaire, and treatment within 5 years of diagnosis.
[1] Any surgery may include biopsy
[2] In expansion, only collected for Hodgkin survivors
[3] In expansion, only collected for STS and Bone tumor survivors

Surgery: Ewings

				Any surgery[1]			Splenectomy[2]		Amputation[3]		Limb-sparing procedure[3]	
			All cases	Yes	No	Unknown	N	%	N	%	N	%
Both sexes	**All cases**		**686**	**671**	**14**	**1**	**.**	**.**	**82**	**12.1**	**247**	**37.6**
	Age at baseline	<18	54	53	1	.	.	.	8	14.8	16	29.6
		18-19	33	33	.	.	.	.	4	12.1	14	42.4
		20-24	157	155	2	.	.	.	24	15.4	56	37.1
		25-29	193	189	4	.	.	.	23	12.2	77	42.8
		30-34	154	149	4	1	.	.	16	10.5	49	33.1
		35+	95	92	3	.	.	.	7	7.4	35	38.5
	Years since diagnosis	5-9	91	90	1	.	.	.	11	12.2	29	32.2
		10-14	231	227	4	.	.	.	21	9.2	92	40.7
		15-19	214	211	2	1	.	.	38	17.8	86	42.4
		20+	150	143	7	.	.	.	12	8.2	40	29.0
	Age at diagnosis	<1	4	4	.	.	.	.	.	.	2	50.0
		1-4	50	49	1	.	.	.	9	18.0	15	30.6
		5-9	169	165	4	.	.	.	28	16.9	47	30.1
		10-14	258	253	5	.	.	.	29	11.4	107	43.0
		15-20	205	200	4	1	.	.	16	7.9	76	38.2
Males	**All cases**		**354**	**348**	**6**	**.**	**.**	**.**	**47**	**13.4**	**126**	**37.5**
	Age at baseline	<18	24	23	1	.	.	.	4	16.7	7	29.2
		18-19	17	17	.	.	.	.	2	11.8	7	41.2
		20-24	79	78	1	.	.	.	14	17.7	28	37.3
		25-29	99	99	.	.	.	.	11	11.3	36	39.1
		30-34	83	81	2	.	.	.	12	14.6	27	34.6
		35+	52	50	2	.	.	.	4	7.8	21	42.0
	Years since diagnosis	5-9	49	49	.	.	.	.	8	16.3	18	36.7
		10-14	109	107	2	.	.	.	12	11.1	39	36.8
		15-19	116	115	1	.	.	.	19	16.5	43	39.8
		20+	80	77	3	.	.	.	8	10.3	26	35.6
	Age at diagnosis	<1	2	2	.	.	.	.	.	.	.	.
		1-4	26	25	1	.	.	.	3	11.5	7	28.0
		5-9	83	81	2	.	.	.	18	22.2	24	32.4
		10-14	136	135	1	.	.	.	15	11.0	56	42.4
		15-20	107	105	2	.	.	.	11	10.5	39	37.9
Females	**All cases**		**332**	**323**	**8**	**1**	**.**	**.**	**35**	**10.7**	**121**	**37.7**
	Age at baseline	<18	30	30	.	.	.	.	4	13.3	9	30.0
		18-19	16	16	.	.	.	.	2	12.5	7	43.8
		20-24	78	77	1	.	.	.	10	13.0	28	36.8
		25-29	94	90	4	.	.	.	12	13.0	41	46.6
		30-34	71	68	2	1	.	.	4	5.7	22	31.4
		35+	43	42	1	.	.	.	3	7.0	14	34.1
	Years since diagnosis	5-9	42	41	1	.	.	.	3	7.3	11	26.8
		10-14	122	120	2	.	.	.	9	7.4	53	44.2
		15-19	98	96	1	1	.	.	19	19.4	43	45.3
		20+	70	66	4	.	.	.	4	5.9	14	21.5
	Age at diagnosis	<1	2	2	.	.	.	.	.	.	2	100.0
		1-4	24	24	.	.	.	.	6	25.0	8	33.3
		5-9	86	84	2	.	.	.	10	11.8	23	28.0

CCSS data from the March 2026 freeze; % based on nonmissing values.
Participants had medical record abstraction, a completed baseline questionnaire, and treatment within 5 years of diagnosis.
[1] Any surgery may include biopsy
[2] In expansion, only collected for Hodgkin survivors
[3] In expansion, only collected for STS and Bone tumor survivors

				Any surgery[1]			Splenectomy[2]		Amputation[3]		Limb-sparing procedure[3]	
			All cases	Yes	No	Unknown	N	%	N	%	N	%
		10-14	122	118	4	.	.	.	14	11.8	51	43.6
		15-20	98	95	2	1	.	.	5	5.1	37	38.5

CCSS data from the March 2026 freeze; % based on nonmissing values.
Participants had medical record abstraction, a completed baseline questionnaire, and treatment within 5 years of diagnosis.
[1] Any surgery may include biopsy
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Surgery: Osteosarcoma

				Any surgery[1]			Splenectomy[2]		Amputation[3]		Limb-sparing procedure[3]	
			All cases	Yes	No	Unknown	N	%	N	%	N	%
Both sexes	**All cases**		**1154**	**1148**	**3**	**3**	**.**	**.**	**585**	**51.0**	**611**	**57.5**
	Age at baseline	<18	25	25	.	.	.	.	16	64.0	15	62.5
		18-19	27	26	1	.	.	.	14	51.9	13	52.0
		20-24	184	183	1	.	.	.	98	53.6	98	58.0
		25-29	317	316	.	1	.	.	144	45.7	179	62.2
		30-34	340	339	.	1	.	.	176	52.2	180	57.9
		35+	261	259	1	1	.	.	137	52.9	126	51.4
	Years since diagnosis	5-9	119	118	1	.	.	.	58	49.2	75	67.6
		10-14	362	360	1	1	.	.	162	44.9	206	59.5
		15-19	392	391	.	1	.	.	203	52.2	200	55.9
		20+	281	279	1	1	.	.	162	58.3	130	52.6
	Age at diagnosis	1-4	21	21	.	.	.	.	16	76.2	4	26.7
		5-9	151	150	1	.	.	.	88	58.7	68	53.1
		10-14	492	490	1	1	.	.	254	51.9	267	58.8
		15-20	490	487	1	2	.	.	227	46.7	272	58.5
Males	**All cases**		**581**	**577**	**1**	**3**	**.**	**.**	**301**	**52.4**	**307**	**57.5**
	Age at baseline	<18	18	18	.	.	.	.	13	72.2	12	66.7
		18-19	12	12	.	.	.	.	7	58.3	6	54.5
		20-24	86	85	1	.	.	.	48	56.5	46	60.5
		25-29	165	164	.	1	.	.	75	45.7	94	60.3
		30-34	161	160	.	1	.	.	84	53.2	81	55.5
		35+	139	138	.	1	.	.	74	54.0	68	53.5
	Years since diagnosis	5-9	64	63	1	.	.	.	34	54.0	36	63.2
		10-14	191	190	.	1	.	.	92	48.4	111	60.3
		15-19	192	191	.	1	.	.	100	52.6	100	56.2
		20+	134	133	.	1	.	.	75	57.3	60	52.2
	Age at diagnosis	1-4	11	11	.	.	.	.	7	63.6	3	42.9
		5-9	76	76	.	.	.	.	46	60.5	34	48.6
		10-14	221	220	.	1	.	.	113	51.8	126	61.8
		15-20	273	270	1	2	.	.	135	50.2	144	56.9
Females	**All cases**		**573**	**571**	**2**	**.**	**.**	**.**	**284**	**49.7**	**304**	**57.6**
	Age at baseline	<18	7	7	.	.	.	.	3	42.9	3	50.0
		18-19	15	14	1	.	.	.	7	46.7	7	50.0
		20-24	98	98	.	.	.	.	50	51.0	52	55.9
		25-29	152	152	.	.	.	.	69	45.7	85	64.4
		30-34	179	179	.	.	.	.	92	51.4	99	60.0
		35+	122	121	1	.	.	.	63	51.6	58	49.2
	Years since diagnosis	5-9	55	55	.	.	.	.	24	43.6	39	72.2
		10-14	171	170	1	.	.	.	70	40.9	95	58.6
		15-19	200	200	.	.	.	.	103	51.8	100	55.6
		20+	147	146	1	.	.	.	87	59.2	70	53.0
	Age at diagnosis	1-4	10	10	.	.	.	.	9	90.0	1	12.5
		5-9	75	74	1	.	.	.	42	56.8	34	58.6
		10-14	271	270	1	.	.	.	141	52.0	141	56.4
		15-20	217	217	.	.	.	.	92	42.4	128	60.4

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