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1 **SUPPLEMENTARY DATA**

2

3 **TABLES**

4

5 **Table S1. Adherence to dietary recommendations among childhood cancer survivors (CCS),**
 6 **their siblings and the general population (Swiss Health Survey)**

	CCS	Siblings^a	General population^a		
	(n=1864)	(n=698)	(n=8258)		
	n (%)	n (%_{std})	p-value^b	n (%_{std})	p-value^c
<i>Dietary intake</i>					
Fruit/vegetable, portion: +/-120g					
Non-adherence: <5 portions/day	1741 (93)	654 (94)		7684 (93)	
Adherence: ≥ 5 portions/day	123 (7)	44 (6)	0.702	574 (7)	0.839
Fruit, portion: +/-120g					
Non-adherence: <2 portions/day	1240 (67)	411 (61)		6350 (76)	
Adherence: ≥2 portions/day	624 (34)	287 (39)	0.011	1908 (24)	<0.001
Vegetable, portion: +/-120g					
Non-adherence: <3 portions/day	1668 (90)	632 (91)		7142 (87)	
Adherence: ≥3 portions/day	196 (11)	66 (9)	0.421	1116 (13)	0.009
Meat					
Non-adherence: ≥4-5 days/week	1057 (57)	429 (63)		4479 (61)	
Adherence: ≤1-3 days/week	807 (43)	269 (37)	0.011	3779 (39)	0.003
Fish					
Non-adherence: <1 day/week	1310 (70) ^d	531 (74) ^d		3112 (45) ^d	
Adherence: ≥1 day/week	554 (30)	167 (26)	0.075	5146 (55)	<0.001
Dairy, portion: +/-2dl, 125ml or 30-60g					
Non-adherence: <3 portions/day	1534 (82)	592 (84)		7433 (88)	
Adherence: ≥3 portions/day	330 (18)	106 (16)	0.345	825 (12)	<0.001

7 CCS: childhood cancer survivors;

8 ^a: Standardized on gender, age, migration background and language region according to the CCS
9 population;

10 ^b: p-value calculated from Chi-Square statistics comparing CCS to siblings (2-sided test);

11 ^c: p-value calculated from Chi-Square statistics comparing CCS to general Swiss population (2-
12 sided test);

13 ^d: Missing observation for fish intake: 6% (n=106), 4% (n=31), and <1% (n=10) for CCS, siblings
14 and the general Swiss population, respectively. Missing values were assigned to medium intake

15 **Table S2. Adherence to dietary recommendations among childhood cancer survivors, and lifestyle**
 16 **predictors for adherence (retrieved from multivariable logistic regressions)**

	Fruit/vegetable ≥ 5 portions/day (n=123)			Fruit ≥ 2 portions/day (n=624)			Vegetable ≥ 3 portions/day (n=196)		
	% ^a	OR (95%CI) ^b	p-value ^c	% ^a	OR (95%CI) ^b	p-value ^c	% ^a	OR (95%CI) ^b	p-value ^c
BMI									
Underweight	7	0.99 (0.38; 2.58)	0.303	22	0.48 (0.27; 0.86)	0.019	11	1.01 (0.47; 2.19)	0.167
Normal	6	1.00 (ref)		34	1.00 (ref)		10	1.00 (ref)	
Overweight	7	1.29 (0.80; 2.10)		30	0.97 (0.74; 1.27)		11	1.24 (0.83; 1.85)	
Obese	10	1.82 (0.93; 3.56)		40	1.44 (0.96; 2.16)		16	1.83 (1.05; 3.17)	
Smoking									
Never smoked	7	1.00 (ref)	0.699	35	1.00 (ref)	0.732	10	1.00 (ref)	0.468
Stopped smoking	8	1.26 (0.70; 2.26)		33	0.95 (0.68; 1.32)		12	1.32 (0.82; 2.13)	
Current smoker	6	0.97 (0.60; 1.56)		30	0.91 (0.70; 1.16)		11	1.16 (0.80; 1.68)	
Alcohol									
Never/rarely	7	1.00 (ref)	0.616	36	1.00 (ref)	0.333	12	1.00 (ref)	0.384
Weekly, ≥ 1 std drink/week	6	0.97 (0.64; 1.49)		33	1.02 (0.82; 1.29)		10	0.94 (0.67; 1.33)	
Daily, 1 std drink/day	2	0.26 (0.03; 1.93)		25	0.84 (0.45; 1.54)		3	0.29 (0.07; 1.24)	
Frequently, >1 std drink/day	5	0.87 (0.32; 2.36)		21	0.63 (0.37; 1.08)		10	1.16 (0.55; 2.42)	
Sports									
No	7	1.00 (ref)	0.978	29	1.00 (ref)	<0.001	10	1.00 (ref)	0.311
Yes	6	0.99 (0.68; 1.46)		37	1.60 (1.30; 1.97)		11	1.18 (0.86; 1.61)	
	Meat $\leq 1-3$ days/week (n=807)			Fish ≥ 1 day/week (n=554)			Dairy ≥ 3 portions/day (n=330)		
	% ^a	OR (95%CI) ^b	p-value ^c	% ^a	OR (95%CI) ^b	p-value ^c	% ^a	OR (95%CI) ^b	p-value ^c
BMI									
Underweight	58	1.50 (0.90; 2.51)	0.155	24	0.77 (0.43; 1.37)	0.766	22	1.48 (0.82; 2.67)	0.094
Normal	44	1.00 (ref)		30	1.00 (ref)		17	1.00 (ref)	
Overweight	36	0.81 (0.62; 1.06)		32	1.07 (0.81; 1.41)		16	0.96 (0.69; 1.35)	
Obese	46	0.93 (0.62; 1.40)		29	1.05 (0.68; 1.62)		24	1.68 (1.05; 2.67)	
Smoking									

Never smoked	42	1.00 (ref)	0.005	30	1.00 (ref)	0.051	19	1.00 (ref)	0.450
Stopped smoking	46	1.25 (0.90; 1.72)		37	1.31 (0.94; 1.81)		13	0.75 (0.48; 1.17)	
Current smoker	45	1.50 (1.17; 1.91)		27	0.83 (0.64; 1.08)		16	0.93 (0.69; 1.27)	
Alcohol									
Never/rarely	50	1.00 (ref)	<0.001	27	1.00 (ref)	0.254	19	1.00 (ref)	0.243
Weekly, ≥ 1 std drink/week	40	0.73 (0.58; 0.91)		33	1.27 (1.00; 1.61)		16	0.85 (0.64; 1.12)	
Daily, 1 std drink/day	23	0.32 (0.17; 0.61)		35	1.19 (0.67; 2.13)		9	0.47 (0.19; 1.13)	
Frequently, >1 std drink/day	16	0.26 (0.14; 0.48)		30	1.26 (0.76; 2.08)		19	0.73 (0.41; 1.30)	
Sports									
No	43	1.00 (ref)	0.026	27	1.00 (ref)	0.009	17	1.00 (ref)	0.409
Yes	44	1.26 (1.03; 1.55)		32	1.33 (1.07; 1.65)		18	1.11 (0.86; 1.43)	

17 BMI: body mass index; CI: confidence interval; OR: odds ratio; std: standard alcoholic drink;

18 ^a: Column percentages are given;

19 ^b: Adjusted for: 1) socio-demographic variables: gender, age category, education level, migration
20 background, and language region in Switzerland and 2) lifestyle factors: BMI category, smoking status,
21 alcohol intake, and sport participation;

22 ^c: global p-value for an association between adherence to national dietary recommendations and the
23 variable as a whole (Wald test comparing models with and without the variable).

24 **Table S3. Adherence to dietary recommendations among the general population (Swiss Health**
 25 **Survey), and predictors for adherence (retrieved from multivariable logistic regressions)**

	Fruit/vegetable ≥ 5 portions/day (n=574)			Fruit ≥ 2 portions/day (n=1908)			Vegetable ≥ 3 portions/day (n=1116)		
	% ^a	OR (95%CI) ^b	p-value ^c	% ^a	OR (95%CI) ^b	p-value ^c	% ^a	OR (95%CI) ^b	p-value ^c
Gender									
Male	5	1.00 (ref)	<0.001	15	1.00 (ref)	<0.001	10	1.00 (ref)	<0.001
Female	9	1.90 (1.45; 2.49)		33	2.75 (2.33; 3.25)		16	1.79 (1.46; 2.19)	
Age at survey (years)									
<20	9	1.00 (ref)	0.004	29	1.00 (ref)	<0.001	16	1.00 (ref)	<0.001
20-29	6	0.58 (0.41; 0.82)		22	0.60 (0.48; 0.75)		12	0.57 (0.44; 0.74)	
30-39	6	0.57 (0.41; 0.80)		22	0.60 (0.48; 0.74)		12	0.58 (0.45; 0.75)	
≥ 40	7	0.70 (0.49; 0.99)		23	0.64 (0.51; 0.80)		14	0.74 (0.57; 0.97)	
Education (highest degree)									
Compulsory schooling	6	0.83 (0.44; 1.57)	0.109	20	0.90 (0.64; 1.28)	<0.001	10	0.85 (0.53; 1.37)	<0.001
Vocational training	6	1.00 (ref)		23	1.00 (ref)		12	1.00 (ref)	
Upper secondary education	7	1.28 (0.94; 1.73)		25	1.24 (1.03; 1.49)		14	1.31 (1.05; 1.65)	
University education	8	1.49 (1.01; 2.18)		29	1.63 (1.29; 2.06)		17	1.68 (1.27; 2.23)	
Migration									
No migration background	7	1.00 (ref)	0.850	25	1.00 (ref)	0.004	13	1.00 (ref)	0.458
Migration background	7	0.98 (0.76; 1.26)		21	0.80 (0.68; 0.93)		13	0.93 (0.77; 1.13)	
Language region									
German speaking	5	1.00 (ref)	<0.001	23	1.00 (ref)	0.005	11	1.00 (ref)	<0.001
French speaking	11	2.25 (1.74; 2.91)		26	1.27 (1.08; 1.50)		19	2.09 (1.72; 2.55)	
Italian speaking	9	1.78 (1.09; 2.91)		21	0.86 (0.62; 1.19)		14	1.42 (0.97; 2.08)	
BMI									
Underweight	10	1.38 (0.71; 2.66)	0.459	32	1.20 (0.79; 1.82)	0.349	14	0.97 (0.55; 1.73)	0.173
Normal	7	1.00 (ref)		25	1.00 (ref)		14	1.00 (ref)	
Overweight	5	0.83 (0.60; 1.15)		20	1.04 (0.85; 1.27)		9	0.77 (0.60; 0.98)	

Obese	5	0.86 (0.48; 1.52)		17	0.76 (0.53; 1.10)		13	1.14 (0.73; 1.78)	
Smoking									
Never smoked	5	1.00 (ref)	0.018	18	1.00 (ref)	<0.001	13	1.00 (ref)	0.226
Stopped smoking	9	1.47 (1.06; 2.06)		28	1.24 (0.99; 1.55)		15	1.27 (0.97; 1.66)	
Current smoker	7	0.87 (0.64; 1.17)		26	0.79 (0.66; 0.94)		12	1.03 (0.83; 1.28)	
Alcohol									
Never/rarely	8	1.00 (ref)	0.026	28	1.00 (ref)	0.007	14	1.00 (ref)	0.731
Weekly, ≥ 1 std drink/week	6	0.77 (0.59; 1.00)		20	0.77 (0.66; 0.91)		12	0.95 (0.77; 1.16)	
Daily, 1 std drink/day	7	1.15 (0.57; 2.34)		22	1.22 (0.78; 1.90)		13	1.21 (0.75; 1.97)	
Frequently, >1 std drink/day	2	0.28 (0.10; 0.80)		17	1.15 (0.45; 2.99)		12	1.17 (0.44; 3.10)	
Sports									
No	5	1.00 (ref)	<0.001	19	1.00 (ref)	<0.001	11	1.00 (ref)	<0.001
Yes	8	1.59 (1.21; 2.10)		26	1.51 (1.28; 1.78)		14	1.43 (1.17; 1.76)	
<hr/>									
		Meat $\leq 1-3$ days/week			Fish ≥ 1 day/week			Dairy ≥ 3 portions/day	
		(n=3779)			(n=5146)			(n=825)	
<hr/>									
Gender									
Male	26	1.00 (ref)	<0.001	55	1.00 (ref)	0.299	15	1.00 (ref)	<0.001
Female	54	3.03 (2.64; 3.47)		56	1.08 (0.94; 1.24)		10	0.64 (0.52; 0.79)	
Age at survey (years)									
<20	31	1.00 (ref)	<0.001	50	1.00 (ref)	<0.001	16	1.00 (ref)	0.004
20-29	42	1.52 (1.24; 1.86)		54	1.15 (0.95; 1.41)		12	0.78 (0.59; 1.02)	
30-39	43	1.64 (1.35; 2.00)		61	1.60 (1.31; 1.94)		10	0.69 (0.53; 0.90)	
≥ 40	46	1.98 (1.61; 2.44)		62	1.69 (1.38; 2.07)		9	0.60 (0.45; 0.80)	
Education (highest degree)									
Compulsory schooling	38	0.93 (0.70; 1.23)	<0.001	56	0.96 (0.72; 1.28)	0.971	12	0.96 (0.59; 1.57)	0.392
Vocational training	37	1.00 (ref)		54	1.00 (ref)		13	1.00 (ref)	
Upper secondary education	43	1.14 (0.98; 1.34)		56	0.98 (0.84; 1.15)		12	1.02 (0.80; 1.29)	
University education	50	1.57 (1.27; 1.93)		61	1.03 (0.83; 1.28)		9	0.75 (0.53; 1.06)	
Migration									
No migration background	37	1.00 (ref)	<0.001	52	1.00 (ref)	<0.001	13	1.00 (ref)	0.008

Migration background	48	1.64 (1.44; 1.88)		65	1.62 (1.42; 1.85)		10	0.75 (0.60; 0.93)	
Language region									
German speaking	39	1.00 (ref)	< 0.001	48	1.00 (ref)	< 0.001	13	1.00 (ref)	0.004
French speaking	37	0.89 (0.77; 1.03)		71	2.62 (2.26; 3.03)		11	0.90 (0.72; 1.12)	
Italian speaking	63	2.77 (2.04; 3.74)		74	3.08 (2.31; 4.10)		6	0.41 (0.24; 0.70)	
<hr/>									
BMI									
Underweight	62	1.47 (0.95; 2.27)	< 0.001	59	1.15 (0.74; 1.79)	0.805	4	0.41 (0.19; 0.86)	0.074
Normal	41	1.00 (ref)		55	1.00 (ref)		12	1.00 (ref)	
Overweight	31	0.74 (0.63; 0.88)		55	0.95 (0.80; 1.12)		13	1.10 (0.85; 1.41)	
Obese	32	0.66 (0.49; 0.89)		57	1.05 (0.78; 1.41)		13	1.20 (0.78; 1.86)	
Smoking									
Never smoked	40	1.00 (ref)	0.411	55	1.00 (ref)	0.042	14	1.00 (ref)	0.007
Stopped smoking	45	1.15 (0.94; 1.40)		60	1.00 (0.82; 1.22)		8	0.63 (0.45; 0.87)	
Current smoker	37	1.04 (0.90; 1.21)		53	0.83 (0.72; 0.97)		11	0.77 (0.61; 0.97)	
Alcohol									
Never/rarely	45	1.00 (ref)	0.002	53	1.00 (ref)	< 0.001	12	1.00 (ref)	0.172
Weekly, ≥ 1 std drink/week	35	0.80 (0.69; 0.92)		57	1.30 (1.12; 1.50)		12	0.96 (0.77; 1.19)	
Daily, 1 std drink/day	31	0.66 (0.46; 0.93)		64	1.52 (1.05; 2.20)		15	1.40 (0.85; 2.31)	
Frequently, > 1 std drink/day	22	0.51 (0.27; 0.96)		45	0.54 (0.29; 1.00)		5	0.39 (0.13; 1.22)	
Sports									
No	38	1.00 (ref)	< 0.001	54	1.00 (ref)	0.002	12	1.00 (ref)	0.402
Yes	40	1.28 (1.12; 1.47)		56	1.24 (1.08; 1.43)		12	0.91 (0.74; 1.13)	

26 BMI: body mass index; CI: confidence interval; OR: odds ratio; std: standard alcoholic drink;

27 ^a: Column percentages are given. Percentages for the general population are standardized for gender,
28 age, migration background and language region according to the CCS population;

29 ^b: Adjusted for: 1) socio-demographic variables: gender, age category, education level, migration
30 background, and language region in Switzerland and 2) lifestyle factors: BMI category, smoking
31 status, alcohol intake, and sport participation;

32 ^c: global p-value for an association between adherence to national dietary recommendations and the
33 variable as a whole (Wald test comparing models with and without the variable).

34 **Table S4. Interaction of study group with socio-demographic and lifestyle determinants**
 35 **(retrieved from multivariable logistic regressions^a)**

	Fruit/vegetable ≥5 portions/day		Fruit ≥2 portions/day p-values for interactions		Vegetable ≥3 portions/day p-values for interactions	
	CCS vs. siblings ^b	CCS vs. general population ^c	CCS vs. siblings ^b	CCS vs. general population ^c	CCS vs. siblings ^b	CCS vs. general population ^c
	Socio-demographic					
Gender	0.722	0.098	0.785	0.214	0.611	0.318
Age at survey (years)	0.379	0.194	0.273	0.235	0.733	0.125
Education (highest degree)	0.855	0.003	0.511	0.021	0.392	<0.001
Parents' education (highest degree)	0.494	n.a.	0.459	n.a.	0.972	n.a.
Migration	0.204	0.002	0.615	0.006	0.524	<0.001
Language region	0.183	0.200	0.430	0.866	0.201	0.014
Lifestyle						
BMI	0.011	0.027	0.182	<0.001	0.153	0.026
Smoking	0.969	0.452	0.272	0.173	0.498	0.411
Alcohol	0.852	0.399	0.333	0.136	0.725	0.108
Sports	0.639	0.004	0.679	0.494	0.149	0.016
	Meat ≤1-3 days/week		Fish ≥1 day/week		Dairy ≥3 portions/day	
	CCS vs. siblings ^b	CCS vs. general population ^c	CCS vs. siblings ^b	CCS vs. general population ^c	CCS vs. siblings ^b	CCS vs. general population ^c
	Socio-demographic					
Gender	0.118	0.004	0.062	0.037	0.980	0.451
Age at survey (years)	0.447	0.849	0.606	0.771	0.547	0.278
Education (highest degree)	0.386	0.009	0.693	0.099	0.852	0.129
Parents' education (highest degree)	0.755	n.a.	0.065	n.a.	0.050	n.a.
Migration	0.536	0.662	0.774	0.944	0.814	0.974
Language region	0.589	0.076	0.704	0.487	0.478	0.248
Lifestyle						
BMI	0.324	0.457	0.128	0.574	0.068	0.449

Smoking	0.295	0.199	0.330	0.266	0.279	0.785
Alcohol	0.328	0.005	0.850	0.568	0.476	0.199
Sports	0.428	0.288	0.806	0.768	0.738	0.496

36 BMI: body mass index; CCS: childhood cancer survivors; n.a.: not applicable.

37 ^a: Adjusted for: 1) socio-demographic variables: gender, age category, education level, migration
38 background, and language region in Switzerland and 2) lifestyle factors: BMI category, smoking
39 status, alcohol intake, and sport participation;

40 ^b: p-value for interaction (study group: Siblings versus CCS x determinant) was calculated with the
41 likelihood ratio test;

42 ^c: p-value for interaction (study group: General population versus CCS x determinant) was calculated
43 with the likelihood ratio test.

44 **Table S5. Cancer-related factors associated with adherence to dietary recommendations among childhood cancer survivors (CCS) (retrieved from**
 45 **multivariable logistic regressions)**

	Fruit/vegetable ≥ 5		Fruit ≥ 2		Vegetable ≥ 3		Meat $\leq 1-3$ days/week		Fish ≥ 1 day/week		Dairy ≥ 3 portions/day	
	OR (95%CI) ^a	<i>p-value</i> ^b	OR (95%CI) ^a	<i>p-value</i> ^b	OR (95%CI) ^a	<i>p-value</i> ^b	OR (95%CI) ^a	<i>p-value</i> ^b	OR (95%CI) ^a	<i>p-value</i> ^b	OR (95%CI) ^a	<i>p-value</i> ^b
Clinical treatment												
Paediatric cancer centre ^c	1.00 (ref)	0.959	1.00 (ref)	0.918	1.00 (ref)	0.703	1.00 (ref)	0.230	1.00 (ref)	0.796	1.00 (ref)	0.732
Other clinic	1.02 (0.57; 1.80)		1.02 (0.74; 1.39)		1.10 (0.69; 1.75)		0.83 (0.60; 1.13)		0.96 (0.70; 1.31)		0.93 (0.61; 1.42)	
ICCC3 diagnosis												
I: Leukaemia	1.00 (ref)	0.230	1.00 (ref)	0.349	1.00 (ref)	0.320	1.00 (ref)	0.667	1.00 (ref)	0.897	1.00 (ref)	0.277
II: Lymphoma	0.76 (0.44; 1.32)		1.16 (0.87; 1.55)		0.79 (0.51; 1.23)		0.98 (0.73; 1.30)		0.96 (0.72; 1.30)		0.79 (0.55; 1.14)	
III: CNS tumour	0.66 (0.35; 1.24)		1.12 (0.81; 1.55)		0.64 (0.38; 1.08)		1.01 (0.74; 1.39)		0.98 (0.70; 1.38)		0.87 (0.59; 1.27)	
IV: Neuroblastoma	1.09 (0.44; 2.69)		1.33 (0.79; 2.23)		1.04 (0.49; 2.20)		0.89 (0.53; 1.50)		1.19 (0.69; 2.04)		0.91 (0.50; 1.69)	
V: Retinoblastoma	-		0.62 (0.29; 1.34)		0.14 (0.02; 1.05)		0.67 (0.33; 1.37)		1.65 (0.83; 3.27)		0.46 (0.16; 1.35)	
VI: Renal tumour	0.45 (0.16; 1.30)		1.03 (0.66; 1.62)		0.79 (0.40; 1.57)		1.20 (0.77; 1.88)		0.94 (0.58; 1.54)		0.96 (0.57; 1.64)	
VII: Hepatic tumour	1.97 (0.39; 9.97)		3.84 (1.07; 13.76)		2.19 (0.54; 8.91)		0.79 (0.21; 2.90)		0.58 (0.14; 2.35)		0.90 (0.18; 4.56)	
VIII: Bone tumour	0.98 (0.39; 2.43)		0.90 (0.53; 1.53)		0.96 (0.45; 2.05)		0.58 (0.34; 0.99)		1.27 (0.76; 2.13)		0.71 (0.36; 1.40)	
IX: Soft tissue sarcoma	0.75 (0.31; 1.82)		1.32 (0.85; 2.05)		0.97 (0.50; 1.88)		0.89 (0.57; 1.39)		0.79 (0.48; 1.28)		0.65 (0.36; 1.18)	

X: Germ cell tumour	0.58 (0.20; 1.69)	1.19 (0.73; 1.95)	0.64 (0.28; 1.46)	0.86 (0.53; 1.41)	1.03 (0.62; 1.71)	0.69 (0.36; 1.34)
XI & XII: Other tumour	2.46 (1.08; 5.64)	1.05 (0.56; 1.99)	1.70 (0.79; 3.68)	1.40 (0.73; 2.67)	0.88 (0.46; 1.70)	1.97 (0.97; 4.03)
Langerhans Cell Histiocytosis	0.77 (0.26; 2.26)	1.68 (0.98; 2.87)	0.76 (0.31; 1.84)	1.07 (0.62; 1.86)	0.97 (0.54; 1.74)	1.37 (0.76; 2.47)

CVD risk profile

No chemo- and RT	1.00 (ref)	0.705	1.00 (ref)	0.676	1.00 (ref)	0.474	1.00 (ref)	0.145	1.00 (ref)	0.361	1.00 (ref)	0.978
Other chemo- and/or RT ^d	1.16 (0.66; 2.04)		1.03 (0.77; 1.38)		0.97 (0.62; 1.52)		1.36 (1.02; 1.83)		1.01 (0.75; 1.36)		1.04 (0.72; 1.49)	
Either anthracyclines or chest RT ^e	1.32 (0.76; 2.32)		0.94 (0.70; 1.26)		1.21 (0.78; 1.88)		1.20 (0.90; 1.61)		0.83 (0.61; 1.13)		1.01 (0.70; 1.45)	
Both anthracyclines and chest RT	0.93 (0.38; 2.31)		1.19 (0.77; 1.84)		0.81 (0.39; 1.67)		1.48 (0.96; 2.30)		1.08 (0.69; 1.69)		0.93 (0.53; 1.62)	

Age at diagnosis (years)

<5	1.00 (ref)	0.155	1.00 (ref)	0.481	1.00 (ref)	0.066	1.00 (ref)	0.737	1.00 (ref)	0.510	1.00 (ref)	0.579
5-9	0.54 (0.31; 0.94)		1.12 (0.85; 1.47)		0.57 (0.37; 0.90)		1.06 (0.81; 1.38)		0.94 (0.70; 1.25)		0.85 (0.62; 1.16)	
10-14	0.93 (0.58; 1.49)		1.11 (0.85; 1.45)		0.99 (0.68; 1.46)		0.98 (0.76; 1.28)		1.11 (0.84; 1.47)		0.82 (0.59; 1.12)	
15-20	0.77 (0.41; 1.42)		1.30 (0.93; 1.82)		0.80 (0.49; 1.33)		0.87 (0.62; 1.22)		0.89 (0.63; 1.26)		0.83 (0.53; 1.28)	

Time since diagnosis (years)

<15	1.00 (ref)	0.643	1.00 (ref)	0.920	1.00 (ref)	0.830	1.00 (ref)	0.074	1.00 (ref)	0.606	1.00 (ref)	0.617
≥15	1.11 (0.72; 1.71)		0.99 (0.78; 1.25)		1.04 (0.73; 1.47)		1.24 (0.98; 1.56)		1.07 (0.83; 1.37)		1.07 (0.81; 1.43)	

History of relapse

No	1.00 (ref)	0.286	1.00 (ref)	0.508	1.00 (ref)	0.607	1.00 (ref)	0.292	1.00 (ref)	0.888	1.00 (ref)	0.161
Yes	1.33 (0.79; 2.24)		1.11 (0.82; 1.50)		1.12 (0.72; 1.76)		1.18 (0.87; 1.59)		1.02 (0.75; 1.40)		1.29 (0.90; 1.83)	

46 CI: confidence interval; CNS: central nervous system; CVD: cardiovascular disease; ICC3: International Classification of Childhood Cancer, 3rd edition;
47 OR: odds ratio; RT: radiotherapy;

48 ^a: Multivariable analysis for adherence to nutritional recommendations were adjusted for: 1) socio-demographic variables: gender, age category, education
49 level, parental education level, migration background, and language region in Switzerland and 2) lifestyle factors: BMI category, smoking status, alcohol
50 intake, and sport participation;

51 ^b: global p-value for an association between high/frequent dietary intake and the variable as a whole (Wald test comparing models with and without the
52 variable);

53 ^c: Including the following clinics with paediatric oncology units Kantonsspital Aarau AG, Universitäts-Kinderspital Basel, Ospedale S. Giovanni
54 Bellinzona, Universitäts-Kinderklinik Bern, Hôpital des Enfants Genève, CHUV Lausanne, Kantonsspital Luzern, Ostschweizer Kinderspital St. Gallen,
55 Universitäts-Kinderspital Zurich;

56 ^d: Other chemotherapeutic agents and radiotherapy than anthracyclines and chest radiotherapy;

57 ^e: Chest radiotherapy includes direct radiation applied to the chest, including total body irradiation, mantlefield irradiation or irradiation to the thorax,
58 mediastinum, or thoracic spine.

59 **FIGURES**

60

61 **Figure S1. Swiss Childhood Cancer Survivor Study questionnaire, French and German version**

62

63 **Figure S2. Participants of the Swiss Childhood Cancer Survivor Study**

64 Flow diagram of our study population starting from those eligible in the Swiss Childhood Cancer

65 Registry to those included in the analysis.

Alimentation



90. Combien de jours par semaine, en général, mangez-vous de la viande ou de la saucisse et du poisson?

	Jamais	Moins de 1 fois par semaine	1 - 3 jours par semaine	4 - 5 jours par semaine	Quotidien- nement	Plusieurs fois par jour
Viande/ saucisse	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Poisson	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

91. Combien des portions de **fruits, légumes et lait/ produits laitiers** prenez-vous par jour en moyenne?

Combien de portions par jour?

Fruits 1 portion de fruits= taille du votre poing (ou bien 120g)	_____ portions par jour
Légumes (sans les pommes de terre et le maïs) 1 portion de légumes= taille du votre poing (ou bien 120g)	_____ portions par jour
Lait/Produits laitiers 1 portion= 2dl de lait ou 1 yoghurt/fromage blanc ou 30-60g de fromage	_____ portions par jour

92. Combien de jours par semaine mangez-vous habituellement dans un snack-bar ou dans la rue (par ex. Mc Donalds, Migros Take Away etc.)?

_____ jours par semaine

66

Ernährung



90. An wie vielen Tagen pro Woche konsumieren Sie im Allgemeinen **Fleisch oder Wurstwaren und Fisch**?

	Nie	Seltener als 1 Tag pro Woche	1 - 3 Tage pro Woche	4 - 5 Tage pro Woche	Täglich	Mehrmals pro Tag
Fleisch/ Wurstwaren	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fisch	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

91. Wie viele Portionen **Früchte, Gemüse und Milch/Milchprodukte** nehmen Sie pro Tag im Durchschnitt zu sich?

Wieviele Portionen pro Tag?

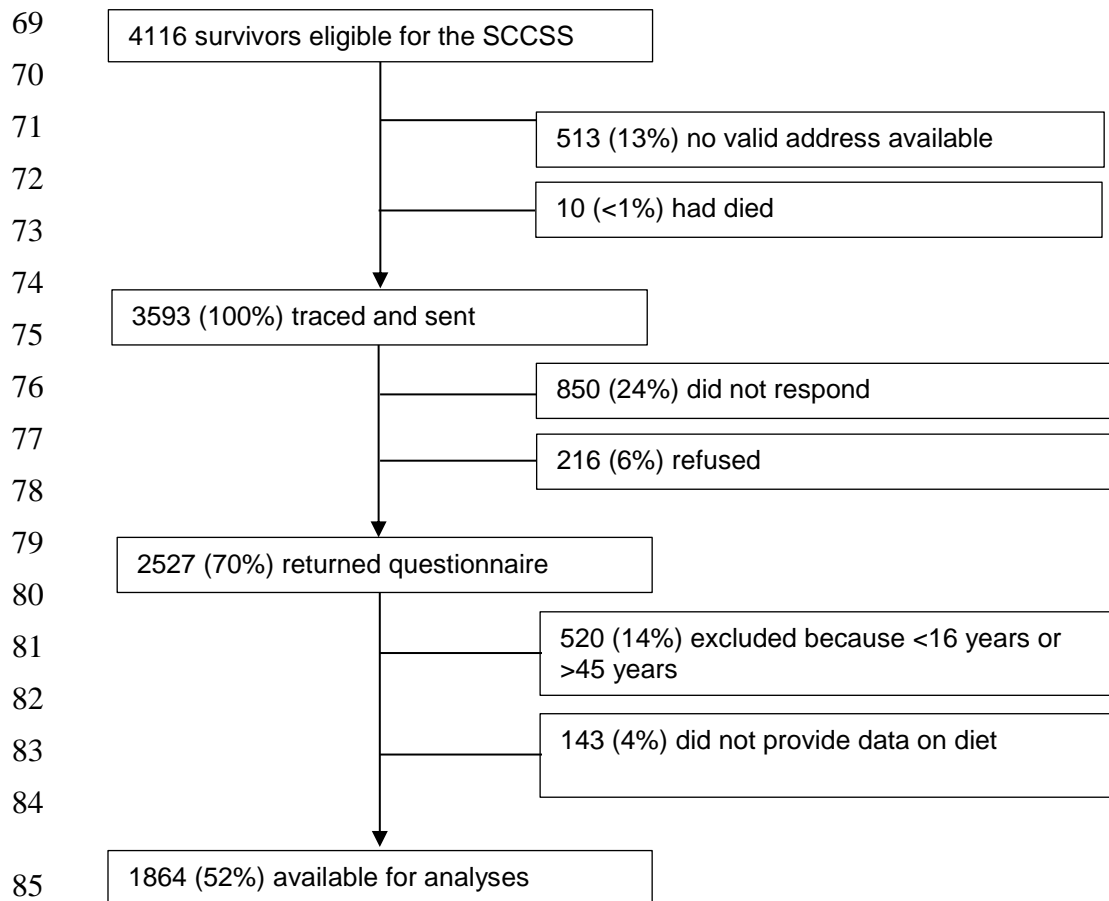
Früchte 1 Portion Früchte= Grösse Ihrer Faust (oder etwa 120g)	_____ Portionen pro Tag
Gemüse (ohne Kartoffeln und Mais) 1 Portion Gemüse= Grösse Ihrer Faust (oder etwa 120g)	_____ Portionen pro Tag
Milch/Milchprodukte 1 Portion= 2 dl Milch oder 1 Joghurt/Quark oder 30-60g Käse	_____ Portionen pro Tag

92. An wie vielen Tagen pro Woche essen Sie gewöhnlich in einem **Fast Food Lokal** (z.B. Mc Donalds, Migros Take Away usw.)?

An _____ Tagen pro Woche

67

68 **Figure S1.**



86 **Figure S2.**