

Supplementary Table SIII Conception method and cancer risk (classified according to cell type); Cox regression analyses.

Conception method	Total No.	Sarcoma ^b		Blastoma ^c		Carcinoma ^d		Melanoma ^e		Lymphohematopoietic malignancies ^f		Other malignancies ^g	
		No. of cancers	Adjusted HR (95% CI) ^h	No. of cancers	Adjusted HR (95% CI) ^h	No. of cancers	Adjusted HR (95% CI) ⁱ	No. of cancers	Adjusted HR (95% CI) ^h	No. of cancers	Adjusted HR (95% CI) ^j	No. of cancers	Age-adjusted HR (95% CI)
Naturally conceived	13 761	9	1.0 (reference)	7	1.0 (reference)	36	1.0 (reference)	9	1.0 (reference)	25	1.0 (reference)	6	1.0 (reference)
ART-conceived	24 269	11	0.85 (0.33–2.19)	13	1.29 (0.49–3.45)	12	0.99 (0.45–2.20)	10	1.86 (0.66–5.27)	38	1.17 (0.66–2.08)	9	1.07 (0.37–3.12)
FD-conceived (non-ART)	4181	0	–	5	2.54 (0.76–8.46)	1	0.32 (0.04–2.35)	2	1.42 (0.29–6.99)	4	0.67 (0.23–2.01)	1	0.66 (0.79–5.57)
Non-ART ^a	23 421	13	1.0 (reference)	16	1.0 (reference)	44	1.0 (reference)	16	1.0 (reference)	38	1.0 (reference)	10	1.0 (reference)
ART	24 269	11	0.96 (0.41–2.24)	13	0.99 (0.46–2.15)	12	1.26 (0.58–2.73)	10	1.75 (0.72–4.26)	38	1.28 (0.77–2.14)	9	1.07 (0.42–2.72)

FD = fertility drug; HR = hazard ratio.

^aNon-ART includes naturally conceived children and children conceived by FDs (with/without intrauterine insemination).

^bTumors with the following morphology codes were classified as sarcoma: 8801, 8804, 8900, 8910, 8912, 8964, 9180, 9181, 9183, 9186, 9220, 9221, 9260; i.e. central/medullary osteosarcoma, chondroblastic osteosarcoma, chondrosarcoma, embryonal rhabdomyosarcoma, epithelioid sarcoma, Ewing sarcoma, clear cell kidney sarcoma, juxta cortical chondrosarcoma, osteosarcoma, rhabdomyosarcoma, coil cell rhabdomyosarcoma, spindle cell sarcoma, telangiectatic osteosarcoma.

^cTumors with the following morphology codes were classified as blastoma: 8960, 9071, 9080, 9490, 9500, 9470, 9510, 9511, 8000, 8972, 9064, 9061; i.e. Yolk sac tumor, ganglioneuroblastoma, mixed germ cell tumor, medulloblastoma, nephroblastoma (Wilms tumor), neoplasma, neuroblastoma, retinoblastoma, seminoma, teratoma.

^dTumors with the following morphology codes were classified as carcinoma: 8046, 8070, 8074, 8076, 8091, 8092, 8097, 8130, 8140, 8240, 8260, 8310, 8340, 8380, 8430, 8500, 8524, 8550, 8551, 9070, 9081, 9101, 9390; i.e. acinar cell cystadenocarcinoma, acinar cell carcinoma, adenocarcinoma, nodular basal cell carcinoma, carcinoid, choriocarcinoma, ductal carcinoma, embryonal carcinoma, endometrioid carcinoma, clear cell adenocarcinoma, invasive basal cell carcinoma, lobular carcinoma, mucoepidermoid carcinoma, multifocal superficial basal cell carcinoma, non-small cell carcinoma, papillary adenocarcinoma (follicular variant), papillary urothelial carcinoma, papilloma plexus choroideus, squamous cell carcinoma, teratocarcinoma.

^eTumors with the following morphology codes were classified as melanoma: 8720, 8721, 8743; i.e. skin melanoma and penile melanoma.

^fTumors with the following morphology codes were classified as hematologic malignancies: 9590, 9596, 9650, 9651, 9659, 9663, 9665, 9667, 9679, 9680, 9687, 9699, 9702, 9709, 9714, 9729, 9751, 9815, 9821, 9835, 9836, 9837, 9861, 9873, 9891, 9896, 9897, 9910, 9962, 9983; i.e. Hodgkin lymphoma, acute lymphatic leukemia, acute megakaryoblastic leukemia, acute myeloid leukemia, anaplastic large cell b cell lymphoma, essential thrombocythemia, mixed Hodgkin and non-Hodgkin lymphoma, lymphocyte rich Hodgkin lymphoma, nodular sclerosis Hodgkin lymphoma, Langerhans cell histiocytosis, lymphoblastic leukemia lymphoma, malignant lymphoma, marginal zone lymphoma, mature peripheral t cell lymphoma, mediastinal large cell b cell lymphoma, nodular lymphocyte predominant Hodgkin lymphoma, precursor t cell lymphoblastic lymphoma, refractory anemia with excess blasts (RAEB), t cell lymphoblastic leukemia lymphoma.

^gTumors with the following morphology codes were classified as other cancers: 9060, 9261, 9380, 9382, 9391, 9400, 9424, 9451, 9473; i.e. adamantinoma of long bones, astrocytoma, dysgerminoma, ependymoma, mixed glioma, glioma, anaplastic oligodendroglioma, pleiomorf xanthoastrocytoma, primitive neuroectodermal tumor.

^hAdditionally adjusted for parental cause of subfertility.

ⁱAdditionally adjusted for maternal age.

^jAdditionally adjusted for start year of subfertility treatment.