

RSI,GARD Meta-Analysis

1. Data Summary

Recurrence Pool:

	No. of patients	No. of events	References
Breast	629	202	
TNBC	113	29	
Endometrium	204	18	
Head and Neck	92	28	
NSCLC	60	23	
Total	1098	300	

Survival Pool:

	No. of patients	No. of events	References
Breast	159	40	
TNBC	55	9	
Endometrium	204	62	
Glioma	270	209	
NSCLC	60	38	
Pancreas	73	50	
Total	821	408	

Descriptive stats at 1, 5 yrs:

Recurrence:

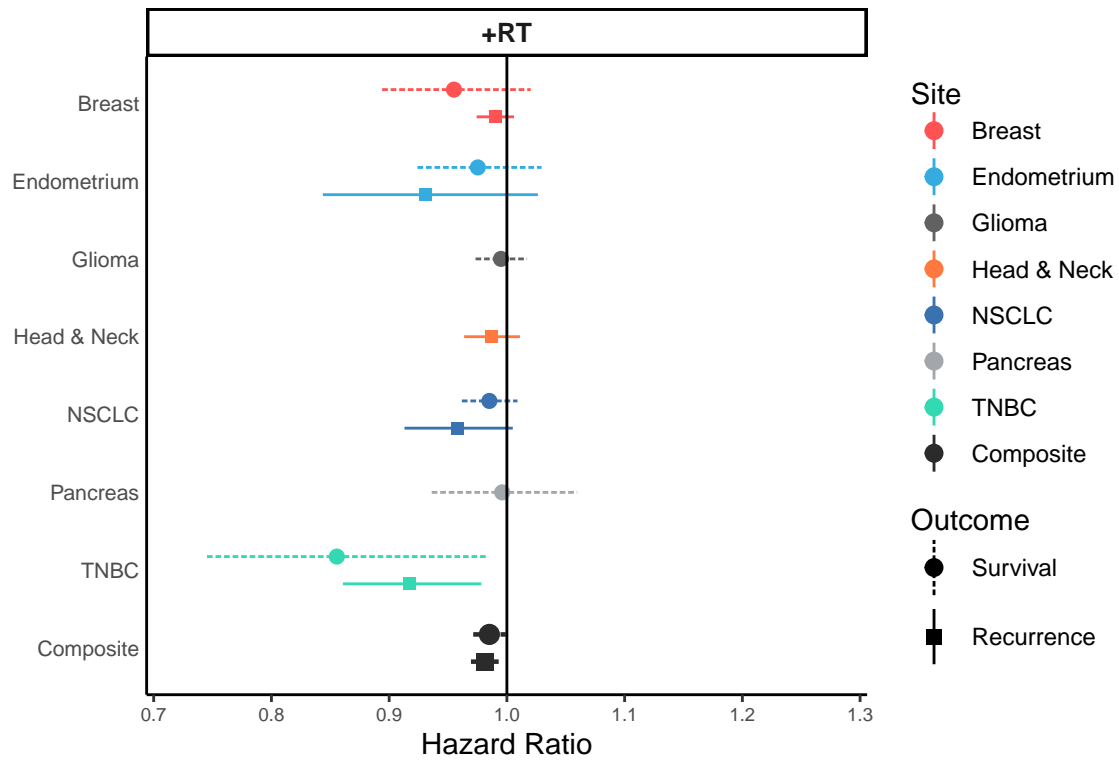
Site	1_+XRT	1_-XRT	5_+XRT	5_-XRT
Breast	0.968	0.952	0.708	0.806
TNBC	0.902	NA	0.754	NA
Endometrium	0.968	0.963	0.768	0.924
Head and Neck	0.741	NA	0.618	NA
NSCLC	0.809	NA	0.534	NA

Survival:

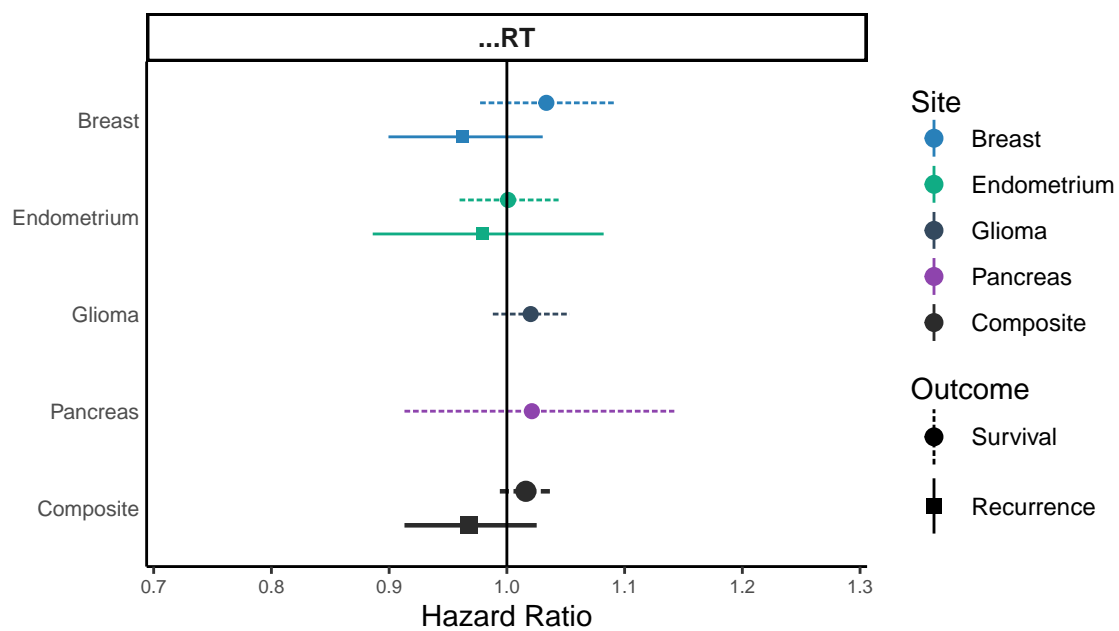
Site	1_+XRT	1_-XRT	5_+XRT	5_-XRT
Breast	0.99	0.95	0.81	0.747
TNBC	1.00	NA	0.88	NA
Endometrium	0.94	0.967	0.53	0.774
Glioma	0.70	0.054	0.05	NA
NSCLC	0.88	NA	0.43	NA
Pancreas	0.77	0.8	0.35	0.279

	Site	Source	n1	-RT_R (n/N)	-RT_S (n/N)	+RT_R (n/N)	+RT_S (n/N)
1	Breast	Erasmus	344	-	-	91/282	-
2	Breast	Erasmus	344	12/62	-	-	-
3	Breast	Karolinksa	159	-	-	-	19/77
4	Breast	Karolinksa	159	-	21/82	-	-
5	Breast	NKI	285	-	-	99/285	-
6	Endometrium	TCC	204	-	-	11/63	33/63
7	Endometrium	TCC	204	7/141	29/141	-	-
8	Glioma	TGCA	270	-	-	-	153/214
9	Glioma	TGCA	270	-	56/56	-	-
10	Head and Neck	Pranama	92	-	-	28/92	-
11	NSCLC	MCC	60	-	-	23/60	38/60
12	Pancreas	TCC	73	-	-	-	33/48
13	Pancreas	TCC	73	-	17/25	-	-
14	TNBC	MCC Breast TN	55	-	-	9/55	9/55
15	TNBC	NKI	58	-	-	20/58	-

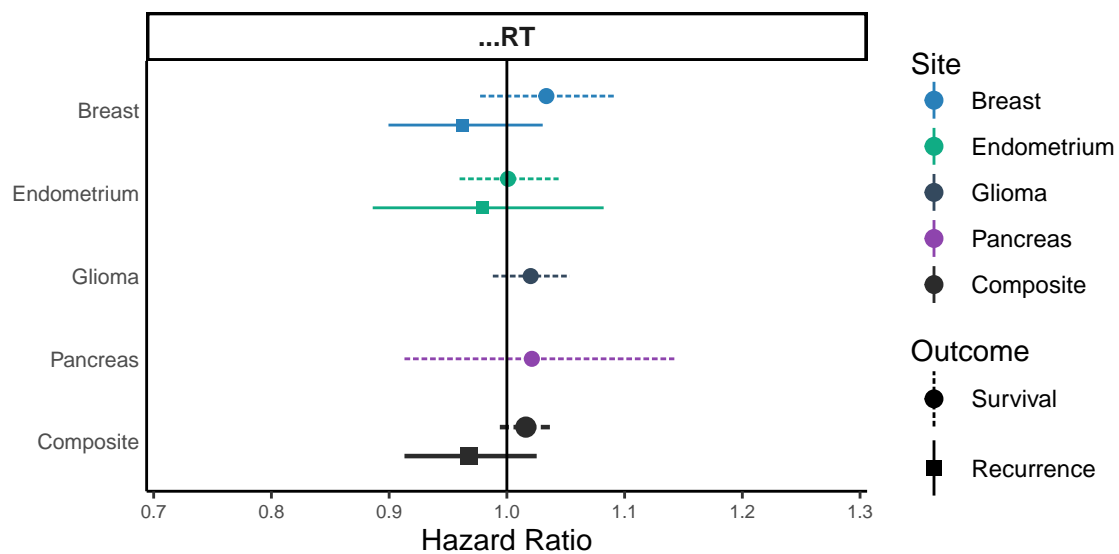
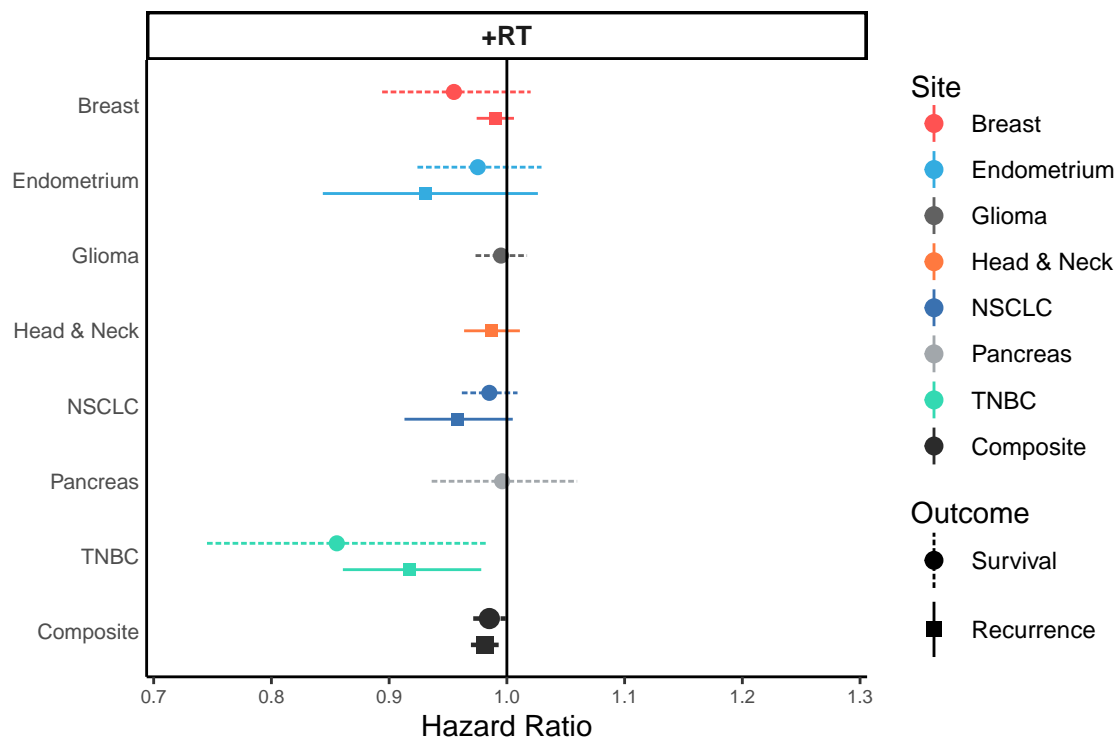
2. Forest Plots



	n	events	RH	lower	upper	p
Recurrence						
Breast	567	190	0.990	0.974	1.006	0.211
Endometrium	63	11	0.931	0.844	1.026	0.139
Glioma						
Head & Neck	92	28	0.987	0.964	1.011	0.269
NSCLC	60	23	0.958	0.913	1.005	0.069
Pancreas						
TNBC	113	29	0.918	0.861	0.978	0.007
Composite	895	281	0.981	0.969	0.993	0.003
Survival						
Breast	77	19	0.955	0.894	1.020	0.161
Endometrium	63	33	0.975	0.924	1.029	0.353
Glioma	214	153	0.995	0.973	1.017	0.635
Head & Neck						
NSCLC	60	38	0.985	0.962	1.009	0.219
Pancreas	48	33	0.996	0.936	1.060	0.887
TNBC	55	9	0.856	0.745	0.982	0.025
Composite	517	285	0.985	0.971	0.999	0.034



Site		n	events	RH	lower	upper	p
		Recurrence					
	Breast	62	12	0.963	0.899	1.030	0.258
	Endometrium	141	7	0.979	0.886	1.082	0.679
	Glioma						
	Pancreas						
	Composite	203	19	0.968	0.913	1.025	0.247
		Survival					
	Breast	82	21	1.034	0.977	1.093	0.236
	Endometrium	141	29	1.001	0.960	1.044	0.980
	Glioma	56	56	1.020	0.988	1.053	0.208
	Pancreas	25	17	1.021	0.913	1.142	0.713
	Composite	304	123	1.016	0.994	1.039	0.148



3. Pooled Analysis

Outcome	chisq_+xrt	p_+xrt	chisq_-xrt	p_-xrt
Recurrence RSI	6.0	0.014	1.8	0.186
Recurrence GARD	8.9	0.003	1.3	0.247
Survival RSI	3.4	0.067	1.5	0.216
Survival GARD	4.5	0.034	2.1	0.148

