Study TE seTE SMD 95%-CI (fixed) tendom BLCA 0.68 0.0228 0.025 0.24 0.24 0.24 0.24 0.25 0.25 0.27 0.25 0.27 0.25 0.27											Weight	Weight
BRCA 0.25 0.0025 CESC 0.66 0.0218 CHOL 0.88 0.0173 COAD 1.61 0.0048 ESCA 0.34 0.0141 ← 0.34 [0.31; 0.37] 0.6% 4.4% CBM 1.18 0.0483 HNSC 0.36 0.0059 KICH 0.86 0.0099 KIRC 0.92 0.0032 KIRP 0.95 0.0096 LIHC 0.18 0.0042 LIHC 0.18 0.0042 LUAD 0.66 0.0038 LUSC 0.99 0.0050 PAAD 0.21 0.0584 PCPG 0.51 0.0250 PRAD 0.71 0.0039 READ 1.50 0.0181 SARC 0.71 0.0211 STAD 0.90 0.0122 THCA 0.22 0.0022 THYM 0.19 0.0099 UCEC 0.80 0.0099 LI 0.25 [0.25; 0.26] 19.1% 4.4% 4.	Study	TE	seTE						SMD	95%-CI	(fixed)	(random)
BRCA 0.25 0.0025 CESC 0.66 0.0218 CHOL 0.88 0.0173 COAD 1.61 0.0048 ESCA 0.34 0.0141 ← 0.34 [0.31; 0.37] 0.6% 4.4% CBM 1.18 0.0483 HNSC 0.36 0.0059 KICH 0.86 0.0099 KIRC 0.92 0.0032 KIRP 0.95 0.0096 LIHC 0.18 0.0042 LIHC 0.18 0.0042 LUAD 0.66 0.0038 LUSC 0.99 0.0050 PAAD 0.21 0.0584 PCPG 0.51 0.0250 PRAD 0.71 0.0039 READ 1.50 0.0181 SARC 0.71 0.0211 STAD 0.90 0.0122 THCA 0.22 0.0022 THYM 0.19 0.0099 UCEC 0.80 0.0099 LI 0.25 [0.25; 0.26] 19.1% 4.4% 4.						1						
CESC							+		0.68	[0.64; 0.73]	0.2%	4.4%
CHOL 0.88 0.0173 + 0.88 [0.84; 0.91] 0.4% 4.4% COAD 1.61 0.0048 - 1.61 [1.60; 1.62] 5.3% 4.4% ESCA 0.34 0.0141 + 0.34 [0.31; 0.37] 0.6% 4.4% GBM 1.18 0.0483 + 1.18 [1.09; 1.28] 0.1% 4.3% HNSC 0.36 0.0059 0.36 [0.35; 0.37] 3.5% 4.4% KICH 0.92 0.0032 0.86 [0.84; 0.88] 1.2% 4.4% KIRP 0.95 0.0096 0.92 [0.92; 0.93] 11.7% 4.4% KIRP 0.95 0.0096 0.95 [0.93; 0.96] 1.3% 4.4% LUAD 0.66 0.0038 0.042 0.18 [0.17; 0.19] 6.7% 4.4% LUSC 0.99 0.0050 0.99 [0.98; 1.00] 4.9% 4.4% PCPG 0.51 0.0250 0.51 [0.46; 0.56] 0.2% 4.4% SARC 0.71 0.0031 0.00	BRCA	0.25	0.0025			+	:		0.25	[0.25; 0.26]	19.1%	4.4%
COAD 1.61 0.0048 ESCA 0.34 0.0141 ← 1.18 [1.60; 1.62] 5.3% 4.4% GBM 1.18 0.0483 HNSC 0.36 0.0059 KICH 0.86 0.0099 KIRC 0.92 0.0032 KIRP 0.95 0.0096 LIHC 0.18 0.0042 LUAD 0.66 0.0038 LUSC 0.99 0.0050 PAAD 0.21 0.0584 PCPG 0.51 0.0250 PRAD 0.71 0.0039 READ 1.50 0.0181 SARC 0.71 0.0211 STAD 0.90 0.0122 THCA 0.22 0.0022 THYM 0.19 0.0999 UCEC 0.80 0.0099 Fixed effect model 1 1.61 [1.60; 1.62] 5.3% 4.4% 4.4% 0.34 [0.31; 0.37] 0.6% 4.4% 4.4% 1.18 [1.09; 1.28] 0.1% 4.3% 4.4% 0.36 [0.35; 0.37] 3.5% 4.4% 4.4% 0.90 [0.92; 0.93] 11.7% 4.4% 4.4% 1.09 [0.92; 0.93] 11.7% 4.4% 4.4% 1.09 [0.92; 0.93] 11.7% 4.4% 4.4%	CESC	0.66	0.0218				+		0.66	[0.62; 0.71]	0.3%	4.4%
ESCA 0.34 0.0141 GBM 1.18 0.0483 HNSC 0.36 0.0059 KICH 0.86 0.0099 KIRC 0.92 0.0032 KIRP 0.95 0.0096 LIHC 0.18 0.0042 LUAD 0.66 0.0038 LUSC 0.99 0.0050 PAAD 0.21 0.0584 PCPG 0.51 0.0250 PRAD 0.71 0.0039 READ 1.50 0.0181 SARC 0.71 0.0211 STAD 0.90 0.0122 THCA 0.22 0.0022 THYM 0.19 0.0909 UCEC 0.80 0.0099 Fixed effect model	CHOL	0.88	0.0173				+		0.88	[0.84; 0.91]	0.4%	4.4%
HNSC 0.36 0.0059 KICH 0.86 0.0099 KIRC 0.92 0.0032 KIRP 0.95 0.0096 LUAD 0.66 0.0038 LUSC 0.99 0.0050 PAAD 0.21 0.0584 PCPG 0.51 0.0250 PRAD 0.71 0.0039 READ 1.50 0.0181 SARC 0.71 0.0211 STAD 0.90 0.0122 THYM 0.19 0.0909 LUCEC 0.80 0.0099 Fixed effect model T 1.18 [1.09; 1.28] 0.1% 4.3% 4.4% 4	COAD	1.61	0.0048					+	1.61	[1.60; 1.62]	5.3%	4.4%
HNSC	ESCA	0.34	0.0141			+	:		0.34	[0.31; 0.37]	0.6%	4.4%
KICH 0.86 0.0099 0.86 [0.84; 0.88] 1.2% 4.4% KIRC 0.92 0.0032 0.92 [0.92; 0.93] 11.7% 4.4% KIRP 0.95 0.0096 0.95 [0.93; 0.96] 1.3% 4.4% LIHC 0.18 0.0042 0.18 [0.17; 0.19] 6.7% 4.4% LUAD 0.66 0.0038 0.66 [0.65; 0.66] 8.6% 4.4% LUSC 0.99 0.0050 0.99 [0.99; 1.00] 4.9% 4.4% PAAD 0.21 0.0584 0.21 [0.09; 0.32] 0.0% 4.3% PCPG 0.51 0.0250 0.51 [0.46; 0.56] 0.2% 4.4% PRAD 0.71 0.0039 0.71 [0.70; 0.71] 7.8% 4.4% SARC 0.71 0.0211 0.71 [0.67; 0.75] 0.3% 4.4% STAD 0.90 0.0122 0.22 [0.22; 0.23] 25.3% 4.4% THYM 0.19 0.0909 0.80 [0.78; 0.82] 1.2% 4.4%	GBM	1.18	0.0483				-	_	1.18	[1.09; 1.28]	0.1%	4.3%
KIRC 0.92 0.0032 0.92 0.0032 0.92 0.92; 0.93] 11.7% 4.4% KIRP 0.95 0.0096 0.95 0.096 0.93; 0.96] 1.3% 4.4% LIHC 0.18 0.0042 0.18 [0.17; 0.19] 6.7% 4.4% LUAD 0.66 0.0038 0.66 [0.65; 0.66] 8.6% 4.4% LUSC 0.99 0.0050 0.99 [0.98; 1.00] 4.9% 4.4% PAAD 0.21 0.0584 0.21 [0.09; 0.32] 0.0% 4.3% PCPG 0.51 0.0250 0.51 [0.46; 0.56] 0.2% 4.4% PRAD 0.71 0.0039 0.71 [0.70; 0.71] 7.8% 4.4% SARC 0.71 0.0211 0.71 [0.67; 0.75] 0.3% 4.4% STAD 0.90 0.0122 0.90 [0.88; 0.92] 0.8% 4.4% THCA 0.22 0.0022 0.0022 0.22 [0.22; 0.23] 25.3% 4.4% UCEC 0.80 0.0099 0.80 [0.78; 0.82] 1.2% 4.4% Fixed effect model	HNSC	0.36	0.0059			H	:		0.36	[0.35; 0.37]	3.5%	4.4%
KIRP 0.95 0.0096 0.95 [0.93; 0.96] 1.3% 4.4% LIHC 0.18 0.0042 0.18 [0.17; 0.19] 6.7% 4.4% LUAD 0.66 0.0038 0.66 [0.65; 0.66] 8.6% 4.4% LUSC 0.99 0.0050 0.99 [0.98; 1.00] 4.9% 4.4% PAAD 0.21 0.0584 0.21 [0.09; 0.32] 0.0% 4.3% PCPG 0.51 0.0250 0.51 [0.46; 0.56] 0.2% 4.4% PRAD 0.71 0.0039 0.71 [0.70; 0.71] 7.8% 4.4% SARC 0.71 0.0211 0.71 [0.67; 0.75] 0.3% 4.4% STAD 0.90 0.0122 0.90 [0.88; 0.92] 0.8% 4.4% THYM 0.19 0.0909 0.0909 0.19 [0.01; 0.36] 0.0% 4.2% UCEC 0.80 0.0099 0.54 [0.54; 0.54] 100.0%	KICH	0.86	0.0099				D		0.86	[0.84; 0.88]	1.2%	4.4%
LIHC	KIRC	0.92	0.0032				+		0.92	[0.92; 0.93]	11.7%	4.4%
LUAD 0.66 0.0038 LUSC 0.99 0.0050 PAAD 0.21 0.0584 PCPG 0.51 0.0250 PRAD 0.71 0.0039 READ 1.50 0.0181 SARC 0.71 0.0211 STAD 0.90 0.0122 THYM 0.19 0.0909 UCEC 0.80 0.0099 D.66 [0.65; 0.66] 8.6% 4.4% 0.99 [0.98; 1.00] 4.9% 4.4% 1.09 [0.98; 0.32] 0.0% 4.3% 1.00 0.99 [0.98; 1.00] 4.9% 4.4% 1.00 0.99; 0.32] 0.0% 4.3% 1.00 0.99; 0.32] 0.0% 4.4% 1.00 0.99; 0.32] 0.0% 4.4% 1.00 0.99; 0.71 [0.70; 0.71] 7.8% 4.4% 1.00 0.90 [0.88; 0.92] 0.8% 4.4% 1.00 0.90 [0.88; 0.92] 0.8% 4.4% 1.00 0.90 [0.90; 0.36] 0.0% 4.2% 1.00 0.90 0.0122 1.00 0.90 0.0122 1.00 0.90 0.0122 1.00 0.90 0.0122 1.00 0.90 0.0122 1.00 0.90 0.0122 1.00 0.90 0.0099 1.00 0.90; 0.90 0.0099 1.00 0.90; 0.90 0.0099 1.00 0.90; 0.90; 0.90 0.90 0.90 0.90 0.90	KIRP	0.95	0.0096						0.95	[0.93; 0.96]	1.3%	4.4%
LUSC 0.99 0.0050 PAAD 0.21 0.0584 PCPG 0.51 0.0250 PRAD 0.71 0.0039 READ 1.50 0.0181 SARC 0.71 0.0211 STAD 0.90 0.0122 THCA 0.22 0.0022 THYM 0.19 0.0909 UCEC 0.80 0.0099 1 0.99 [0.98; 1.00] 4.9% 4.4% 1 0.21 [0.09; 0.32] 0.0% 4.3% 1 0.51 [0.46; 0.56] 0.2% 4.4% 1 0.71 [0.70; 0.71] 7.8% 4.4% 1 0.71 [0.67; 0.75] 0.3% 4.4% 1 0.90 [0.88; 0.92] 0.8% 4.4% 1 0.90 [0.88; 0.92] 0.8% 4.4% 1 0.90 [0.88; 0.92] 0.8% 4.4% 1 0.90 [0.88; 0.92] 0.8% 4.4% 1 0.90 [0.88; 0.92] 0.8% 4.4% 1 0.90 [0.88; 0.92] 1.2% 4.4% 1 0.90 [0.78; 0.82] 1.2% 4.4% 1 0.90 [0.78; 0.82] 1.2% 4.4% 1 0.90 [0.78; 0.82] 1.2% 4.4%	LIHC	0.18	0.0042			•			0.18	[0.17; 0.19]	6.7%	4.4%
PAAD 0.21 0.0584 PCPG 0.51 0.0250 PRAD 0.71 0.0039 READ 1.50 0.0181 SARC 0.71 0.0211 STAD 0.90 0.0122 THCA 0.22 0.0022 THYM 0.19 0.0909 UCEC 0.80 0.0099 Time the property of the pro	LUAD	0.66	0.0038				1		0.66	[0.65; 0.66]	8.6%	4.4%
PCPG 0.51 0.0250 PRAD 0.71 0.0039 READ 1.50 0.0181 SARC 0.71 0.0211 STAD 0.90 0.0122 THCA 0.22 0.0022 THYM 0.19 0.0909 UCEC 0.80 0.0099 + 0.51 [0.46; 0.56] 0.2% 4.4% - 1.50 [1.47; 1.54] 0.4% 4.4% - 6.51 [0.46; 0.56] 0.2% 4.4% - 4.4% - 4.4% - 4.4% - 4.4% - 4.4% - 4.4% - 4.4% - 4.4% - 4.4% - 6.54 [0.54; 0.54] 100.0% - 6.54 [0.54; 0.54] 100.0% - 7.54 [0.54; 0.54] 100.0% - 7.54 [0.54; 0.54] 100.0% - 7.54 [0.54; 0.54] 100.0%	LUSC	0.99	0.0050				· ·		0.99	[0.98; 1.00]	4.9%	4.4%
PRAD 0.71 0.0039 READ 1.50 0.0181 SARC 0.71 0.0211 STAD 0.90 0.0122 THCA 0.22 0.0022 THYM 0.19 0.0909 UCEC 0.80 0.0099 D.54 [0.54; 0.54] 100.0%	PAAD	0.21	0.0584			-			0.21	[0.09; 0.32]	0.0%	4.3%
READ 1.50 0.0181 SARC 0.71 0.0211 STAD 0.90 0.0122 THCA 0.22 0.0022 THYM 0.19 0.0909 UCEC 0.80 0.0099 + 1.50 [1.47; 1.54] 0.4% 4.4% + 0.90 [0.88; 0.92] 0.8% 4.4% - 0.22 [0.22; 0.23] 25.3% 4.4% - 0.19 [0.01; 0.36] 0.0% 4.2% - 0.80 [0.78; 0.82] 1.2% 4.4% - 0.54 [0.54; 0.54] 100.0%	PCPG	0.51	0.0250			+			0.51	[0.46; 0.56]	0.2%	4.4%
SARC 0.71 0.0211 STAD 0.90 0.0122 THCA 0.22 0.0022 THYM 0.19 0.0909 UCEC 0.80 0.0099 Time deffect model This is a second of the content	PRAD	0.71	0.0039						0.71	[0.70; 0.71]	7.8%	4.4%
STAD 0.90 0.0122 + 0.90 [0.88; 0.92] 0.8% 4.4% THCA 0.22 0.0022 0.22 [0.22; 0.23] 25.3% 4.4% THYM 0.19 0.0909 0.19 [0.01; 0.36] 0.0% 4.2% UCEC 0.80 0.0099 0.80 [0.78; 0.82] 1.2% 4.4% Fixed effect model	READ	1.50	0.0181				:	+	1.50	[1.47; 1.54]	0.4%	4.4%
THCA 0.22 0.0022 THYM 0.19 0.0909 UCEC 0.80 0.0099 Fixed effect model 0.22 [0.22; 0.23] 25.3% 4.4% 0.19 [0.01; 0.36] 0.0% 4.2% 0.80 [0.78; 0.82] 1.2% 4.4%	SARC	0.71	0.0211				+		0.71	[0.67; 0.75]	0.3%	4.4%
THYM 0.19 0.0909 UCEC 0.80 0.0099 Fixed effect model 0.19 [0.01; 0.36] 0.0% 4.2% 0.80 [0.78; 0.82] 1.2% 4.4%	STAD	0.90	0.0122				•		0.90	[0.88; 0.92]	0.8%	4.4%
UCEC 0.80 0.0099 0.80 [0.78; 0.82] 1.2% 4.4% Fixed effect model 0.54 [0.54; 0.54] 100.0%	THCA	0.22	0.0022			+	:		0.22	[0.22; 0.23]	25.3%	4.4%
Fixed effect model 0.54 [0.54; 0.54] 100.0%	THYM	0.19	0.0909						0.19	[0.01; 0.36]	0.0%	4.2%
	UCEC	0.80	0.0099				E3		0.80	[0.78; 0.82]	1.2%	4.4%
							:					
Overall effect • 0.71 [0.54; 0.88] 100.0%	Fixed effect model						:		0.54	[0.54; 0.54]	100.0%	
	Overall effect						÷		0.71	[0.54; 0.88]		100.0%
Heterogeneity: $I^2 = 100\%$ [100%; 100%], $\rho = 0$	Heterogeneity: $I^2 = 100$	0% [100	%; 100%], p	= 0	0.5	 		1 5				