

## Supplementary Figure 1

not reported	> -5.01	-4.01 to -5.00	-3.01 to -4.00	-2.01 to -3.00	-1.01 to -2.00	-0.01 to -1.00
non significant (ns)	> 5.01	4.01 to 5.00	3.01 to 4.00	2.01 to 3.00	1.01 to 2.00	0.01 to 1.00

A.

STOMACH CANCER		AGE GROUP												
		20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84
<b>Studies set in the US</b>														
Hussan et al., 2020		0.7					-0.5 (ns)			-1.1		-1.8		
Kehm et al., 2019	male	0.20 (ns)			-0.06 (ns)			-1.71		-1.77				
	female	1.98			1.16			-1.31		-1.64				
Merchant et al., 2017		0.33 (ns)					-2.28			-2.56				
<b>Non-cardia adenocarcinoma</b>														
Anderson et al., 2010	GNCA White	2.7			-0.8			-1.8						
	GNCA Black	-1.7 (ns)			-2.1			-1.4						
Anderson et al., 2018	GNCA NHW	1.3					-2.6							
Islami et al., 2019	GNCA Male	1.3			0 (ns)			0.8 (ns)		-2.5		-2.8		
	GNCA Female	2.9			2.5			0.8		-1.5		-2.5		
Sung et al., 2019	GNCA	1.6	2.16	1.7	1.77	1.14	0.58	-0.75	-1.53	-1.73	-1.63	-1.82	-2.09	
Wang et al., 2020	GNCA NHW	1.24					-2.28							
<b>Adenocarcinoma of the gastric cardia</b>														
Islami et al., 2019	GCA Male	0.3 (ns)			-0.1 (ns)			2.3		1.0		0.3		
	GCA Female	0.3 (ns)			1.9			0.5 (ns)		0.6 (ns)		0.4 (ns)		
Sung et al., 2019	GCA	0.05 (ns)	0.94 (ns)	0.13 (ns)	-0.15 (ns)	-0.22 (ns)	-0.45	-0.64	-0.52	-0.19 (ns)	0.10 (ns)	0.30 (ns)	0.91	
<b>Studies set in Canada</b>														
Brenner et al., 2020	male	-0.42 (ns)			0.84 (ns)			3.05		-2.37		-1.82		-0.56 (ns)
	female	-0.8			0.23 (ns)			0.83 (ns)		9.74 (ns)		-2.46		-9.23
Heer et al., 2020		2.03	0.51 (ns)	0.24 (ns)	0.01 (ns)	-0.71	-1.49	-2.05	-2.24	-2.25	-2.21	-2.10	-2.17	-2.50
<b>Studies set in Asia</b>														
Song et al., 2015 (S. Korea)	male	-3.7			0.2 (ns)			-0.1 (ns)		-0.5 (ns)				
	female	-0.8 (ns)			1.7			-1.1		-1.0				

GNCA: Gastric Non-Cardia Adenocarcinoma; GCA: Adenocarcinoma of the Gastric Cardia

**B.**

OESOPHAGEAL CANCER		AGE GROUP														
		20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85-89	
<b>Studies set in the US</b>																
Hussan et al., 2020		-1.8				-1.1				-1.2			-0.7 (ns)			
<b>Adenocarcinoma</b>																
Anderson et al., 2018	OAC NHW	1.3						1.9								
Islami et al., 2019	OAC Male	0.9 (ns)				-1.0 (ns)		-1.0		-1.4		-0.4 (ns)				
	OAC Female					2.4		1.3		0.5 (ns)		1.4 (ns)				
Sung et al., 2019	OAC	1.90 (ns)	1.42 (ns)	0.61 (ns)	0.38 (ns)	0.17 (ns)	0.3	0.93	1.44	1.47	1.45	1.77	2.28			
Trivers et al., 2008	OAC	2.7 (ns)				1.8 (ns)				1.9			2.7			
<b>Squamous cell carcinoma</b>																
Sung et al., 2019	OSSC		-1.96 (ns)	-4.84	-4.49	-3.46	-3.1	-3.73	-4.37	-3.99	-3.42	-2.44	-1.9			
Trivers et al., 2009	OSSC	-3.4(ns)				-3.7				-4.1			-2.6			
Polednak et al., 2005	OSSC male	-3.9														
	OSSC female	-5.2														
Islami et al., 2019	OSSC Male					-4.7		-2.0		-3.8		-3.0				
	OSSC Female					-2.5		2.1 (ns)		0 (ns)		-2.5				
<b>Studies set in Canada</b>																
Heer et al., 2020		0.20 (ns)	2.57 (ns)	2.27	1.63	1.32	0.99	0.54	0.40	0.26	0.38	0.44	0.72	0.70		
Brenner et al., 2020	male	-0.59		-0.21 (ns)		0.74		0.59		0.53		0.53		-6.06 (ns)		
	female	-1.27		-0.93		-0.47 9ns)		-0.26 (ns)		-0.34		-0.42		-6.31		
<b>Studies set in Europe</b>																
Gilhodes et al., 2015	men	-6.24														

OAC: oesophageal Adenocarcinoma; OSSC: Oesophageal Squamous Cell Carcinoma

**C.**

OVARIAN CANCER *		AGE GROUPS															
		20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85-89		
<b>Studies set in the US</b>																	
Kehm et al., 2019		0.04 (ns)				-0.87				-2.01			-1.35				
Sung et al., 2019		-0.26 (ns)	-0.54 (ns)	-1.01	-1.35	-1.63	-1.94	-2.18	-2.2	-1.91	-1.87	-1.85	-1.4				
Ward et al., 2019		-0.7															
<b>Studies set in Canada</b>																	
Brenner et al., 2020		2.31		-1.21		0.7 (ns)		-1.15		-1.04		-0.68		-7.53			
Heer et al., 2020		0.11 (ns)	-0.8	-0.6	-0.91	-0.72	-0.97	-1.14	-1.23	-1.19	-1.05	-0.86	-0.58	-0.26 (ns)			
<b>Studies set in Asia</b>																	
Kim et al., 2016 (S. Korea)		1.87				2.48				3.02							