

Supplementary Figure

Supplementary Figure 1: Sensitivity analysis corresponding to the random-effects meta-analysis of the relationship between (a) overweight and kidney cancer risk; (b) obesity and kidney cancer risk; (c) BMI and kidney cancer risk. BMI, body mass index.

Data for analysis

study	gender	rr	lci	uci
Been 2016	M+W	1.14	0.8	1.6
Geoffrey 2015	W	1.36	0.96	1.91
Kristen 2014	M+W	1.32	1.03	1.7
Kabat 2013	W	1.54	0.97	2.43
Kabat 2013	W	1.43	0.89	2.28
Karami 2013	W	1.41	1.15	1.74
Karami 2013	W	1.54	1.07	2.24
Lieba 2013	M	1.26	0.78	2.02
Lieba 2013	M	2.63	1.67	4.1
Macleod 2013	M+W	1.23	0.88	1.72
Haggstrom 2013	M	0.94	0.68	1.29
Haggstrom 2013	M	1.28	0.95	1.73
Haggstrom 2013	W	1.74	1.02	2.94
Van Hemelrijck 2012	M+W	1.37	1	1.89
Sawada 2010	M	1.39	0.73	2.63
Sawada 2010	M	1.99	1.04	3.81
Sawada 2010	W	1.55	0.76	3.18
Adams 2008	M	1.43	1.07	1.92
Adams 2008	M	1.64	1.22	2.22
Song 2008	W	2.16	0.88	5.3
Song 2008	W	2.12	0.81	5.58
Setiawan 2007	M	1.14	0.84	1.55
Setiawan 2007	W	2.03	1.31	3.15
Reeves 2007	M+W	1.1	0.94	1.28
Reeves 2007	M+W	1.19	0.99	1.44
Luo 2007	W	1.2	0.9	1.7
Lukanova 2006	M	1.3	0.51	3.56
Lukanova 2006	W	0.92	0.31	2.58
Pischon 2006	M	0.67	0.39	1.18
Pischon 2006	M	0.84	0.49	1.43
Pischon 2006	W	1.99	1.03	3.88
Samanic 2006	M	1.28	1.1	1.49

Oh 2005	M	1.23	0.94	1.61
Oh 2005	M	1.89	1.37	2.6
Flaherty 2005	M	2.4	0.9	6.8
Flaherty 2005	M	2.1	0.7	6.6
Flaherty 2005	W	1.6	0.9	2.5
Flaherty 2005	W	2.2	1.2	4.1
Van Dijk 2004	M+W	0.92	0.61	1.38
Van Dijk 2004	M+W	1.46	0.97	2.21
Nicodemus 2004	W	1.46	0.77	2.74
Nicodemus 2004	W	1.87	1.02	3.41
Bjorge 2004	M	1.18	1.11	1.26
Bjorge 2004	W	1.32	1.21	1.45
Chow 2000	M	1.7	1.1	2.5
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Been 2016	M+W	1.04	0.64	1.7
Geoffrey 2015	W	1.73	1.24	2.42
Kristen 2014	M+W	1.47	1.1	1.96
Kristen 2014	M+W	1.91	1.33	2.75
Kristen 2014	M+W	2.48	1.61	3.8
Karami 2013	W	2.41	1.98	2.94
Karami 2013	W	2.49	1.74	3.57
Macleod 2013	M+W	1.2	0.81	1.78
Macleod 2013	M+W	1.71	1.06	2.79
Haggstrom 2013	M	1.51	1.13	2.03
Haggstrom 2013	W	2.21	1.32	3.7
Van Hemelrijck 2012	M+W	1.06	0.58	1.93
Adams 2008	M	1.87	1.38	2.53
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Song 2008	W	3.25	0.95	11.1
Setiawan 2007	M	1.76	1.2	2.58
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Luo 2007	W	1.6	1.1	2.4

Lukanova 2006	M	3.63	1.23	10.66
Lukanova 2006	W	1.79	0.55	5.27
Pischon 2006	M	1.22	0.74	2.03
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Been 2016	Europe	1.14	0.8	1.6
Geoffrey 2015	N A	1.36	0.96	1.91
Kristen 2014	N A	1.32	1.03	1.7
Kabat 2013	N A	1.54	0.97	2.43
Kabat 2013	N A	1.43	0.89	2.28
Karami 2013	N A	1.41	1.15	1.74
Karami 2013	N A	1.54	1.07	2.24
Lieba 2013	Asia	1.26	0.78	2.02
Lieba 2013	Asia	2.63	1.67	4.1
Macleod 2013	N A	1.23	0.88	1.72
Haggstrom 2013	Europe	0.94	0.68	1.29
Haggstrom 2013	Europe	1.28	0.95	1.73
Haggstrom 2013	Europe	1.74	1.02	2.94
Van Hemelrijck 2012	Europe	1.37	1	1.89
Sawada 2010	Asia	1.39	0.73	2.63
Sawada 2010	Asia	1.99	1.04	3.81
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Adams 2008	N A	1.43	1.07	1.92
Adams 2008	N A	1.64	1.22	2.22
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study	smoking	rr	lci	uci
Been 2016	Y	1.14	0.8	1.6
Geoffrey 2015	Y	1.36	0.96	1.91
Kristen 2014	Y	1.32	1.03	1.7
Kabat 2013	Y	1.54	0.97	2.43
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Lieba 2013	N	1.26	0.78	2.02
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Macleod 2013	Y	1.23	0.88	1.72
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Adams 2008	N	1.64	1.22	2.22
Song 2008	Y	2.16	0.88	5.3
Song 2008	Y	2.12	0.81	5.58
Setiawan 2007	Y	1.14	0.84	1.55
Setiawan 2007	Y	2.03	1.31	3.15
Reeves 2007	Y	1.1	0.94	1.28
Reeves 2007	Y	1.19	0.99	1.44
Luo 2007	N	1.2	0.9	1.7
Lukanova 2006	N	1.3	0.51	3.56
Lukanova 2006	N	0.92	0.31	2.58
Pischon 2006	Y	0.67	0.39	1.18
Pischon 2006	Y	0.84	0.49	1.43
Pischon 2006	Y	1.99	1.03	3.88
Samanic 2006	N	1.28	1.1	1.49
Oh 2005	Y	1.23	0.94	1.61
Oh 2005	Y	1.89	1.37	2.6
Flaherty 2005	N	2.4	0.9	6.8
Flaherty 2005	N	2.1	0.7	6.6
Flaherty 2005	N	1.6	0.9	2.5
Flaherty 2005	N	2.2	1.2	4.1
Van Dijk 2004	N	0.92	0.61	1.38
Van Dijk 2004	N	1.46	0.97	2.21
Nicodemus 2004	N	1.46	0.77	2.74
Nicodemus 2004	N	1.87	1.02	3.41
Bjorge 2004	N	1.18	1.11	1.26

Bjorge 2004	N	1.32	1.21	1.45
Chow 2000	N	1.7	1.1	2.5
Chow 2000	N	1.9	1.3	2.7

study	alcohol	rr	lci	uci
Been 2016	Y	1.04	0.64	1.7
Geoffrey 2015	Y	1.73	1.24	2.42
Kristen 2014	N	1.47	1.1	1.96
Kristen 2014	N	1.91	1.33	2.75
Kristen 2014	N	2.48	1.61	3.8
Karami 2013	N	2.41	1.98	2.94
Karami 2013	N	2.49	1.74	3.57
Macleod 2013	Y	1.2	0.81	1.78
Macleod 2013	Y	1.71	1.06	2.79
Haggstrom 2013	N	1.51	1.13	2.03
Haggstrom 2013	N	2.21	1.32	3.7
Van Hemelrijck 2012	N	1.06	0.58	1.93
Adams 2008	N	1.87	1.38	2.53
Adams 2008	N	2.47	1.72	3.53
Song 2008	Y	3.25	0.95	11.1
Setiawan 2007	Y	1.76	1.2	2.58
Setiawan 2007	Y	2.27	1.37	3.74
Reeves 2007	Y	1.52	1.31	1.77
Luo 2007	N	1.5	1	2.1
Luo 2007	N	1.6	1.1	2.4
Lukanova 2006	N	3.63	1.23	10.66
Lukanova 2006	N	1.79	0.55	5.27
Pischon 2006	Y	1.22	0.74	2.03
Pischon 2006	Y	2.25	1.14	4.44
Samanic 2006	N	1.82	1.41	2.35
Oh 2005	Y	1.62	0.66	3.94
Flaherty 2005	N	2.1	0.7	6.8
Van Dijk 2004	N	1.04	0.54	1.99
Nicodemus 2004	N	2.49	1.39	4.44
Bjorge 2004	N	1.55	1.36	1.76
Bjorge 2004	N	1.85	1.66	2.06

study	age	rr	lci	uci
Been 2016	Y	1.14	0.8	1.6
Geoffrey 2015	Y	1.36	0.96	1.91
Kristen 2014	N	1.32	1.03	1.7
Kabat 2013	Y	1.54	0.97	2.43
Kabat 2013	Y	1.43	0.89	2.28
Karami 2013	N	1.41	1.15	1.74

Karami 2013	N	1.54	1.07	2.24
Lieba 2013	N	1.26	0.78	2.02
Lieba 2013	N	2.63	1.67	4.1
Macleod 2013	Y	1.23	0.88	1.72
Haggstrom 2013	Y	0.94	0.68	1.29
Haggstrom 2013	Y	1.28	0.95	1.73
Haggstrom 2013	Y	1.74	1.02	2.94
Van Hemelrijck 2012	N	1.37	1	1.89
Sawada 2010	Y	1.39	0.73	2.63
Sawada 2010	Y	1.99	1.04	3.81
Sawada 2010	Y	1.55	0.76	3.18
Adams 2008	Y	1.43	1.07	1.92
Adams 2008	Y	1.64	1.22	2.22
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Chow 2000	Y	1.9	1.3	2.7

study	age	rr	lci	uci
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Been 2016	Y	1.04	0.64	1.7
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Kristen 2014	N	1.47	1.1	1.96
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