

SUPPLEMENTARY DATA

Supplementary Table 1. Search strategy performed at MedLine, at October 31, 2011

Search	Medline search strategy	Results
1	(metabolic syndrome)	38071
	OR (insulin-resistance syndrome)	63450
	OR (syndrome X)	59523
2	(colorectal cancer) OR (colorectal neoplasm)	141619
	(colon cancer) OR (colon neoplasm)	93082
	(rectal cancer) OR (rectal neoplasm)	59653
3	(gastric cancer) OR (gastric neoplasm)	86286
4	(oesophageal cancer) OR (oesophageal neoplasm)	40341
5	(hepatobiliary cancer) OR (hepatobiliary neoplasm)	4167
	(liver cancer) OR (liver neoplasm)	163880
	(gallbladder cancer) OR (gallbladder neoplasm)	9034
6	(pancreas cancer) OR (pancreas neoplasm)	60045
7	(lung cancer) OR (lung neoplasm)	203484
8	(bladder cancer) OR (bladder neoplasm)	52164
9	(thyroid cancer) OR (thyroid neoplasm)	47066
10	(renal cancer) OR (renal neoplasm)	85275
11	(leukemia)	236298
12	(malignant melanoma)	83093
13	(multiple myeloma)	32929
14	(non-Hodgkin lymphoma)	78996
15	(prostate cancer) OR (prostate neoplasm)	98003
16	(breast cancer) OR (breast neoplasm)	240328
17	(ovary cancer) OR (ovary neoplasm)	71905
18	(endometrium cancer) OR (endometrium neoplasm)	23007
19	(metabolic syndrome) AND (cancer)	3391
20	1 AND 2	130
21	1 AND 3	47
22	1 AND 4	17
23	1 AND 5	341
24	1 AND 6	86
25	1 AND 7	128
26	1 AND 8	20
27	1 AND 9	83
28	1 AND 10	168
29	1 AND 11	186
30	1 AND 12	38
31	1 AND 13	35
32	1 AND 14	50
33	1 AND 15	167
34	1 AND 16	168
35	1 AND 17	81
36	1 AND 18	42

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Supplementary Table 2. Datasets included in meta-analysis

Number of datasets	Author	Site	Design	Outcome	Cases	RR, HR, OR, SIR	95% CI	
Colorectal 38 datasets								
1	Trevisan 2001	Colorectal	Cohort	Mortality	4 M	HR: 2.96	1.05-8.31	
2	Trevisan 2001	Colorectal	Cohort	Mortality	2 W	HR: 2.71	0.59-12.5	
3	Colangelo 2002	Colorectal	Cohort	Mortality	191 M	RR: 1.67	1.04-2.70	
4	Colangelo 2002	Colorectal	Cohort	Mortality	126 W	RR: 1.29	0.70-2.37	
5	Ahmed 2006	Colorectal	Cohort	Incidence	107 M	RR: 1.78	1.00-1.36	
6	Ahmed 2006	Colorectal	Cohort	Incidence	87 W	RR: 1.16	0.60-2.20	
7	Bowers 2006	Colorectal	Cohort RCT	Incidence	410 M	HR: 1.40	1.12-1.74	
8	Bowers 2006	Colon	Cohort RCT	Incidence	227 M	HR: 1.58	1.18-2.10	
9	Bowers 2006	Rectal	Cohort	Incidence	183 M	HR: 1.20	0.85-1.68	
10	Sturmer 2006	Colorectal	Cohort	Incidence	494 M	HR: 1.40	0.90-2.1	
11	Russo 2008	Colorectal	Cohort	Incidence	60 M	SIR: 0.91	0.70-1.17	
12	Russo 2008	Colorectal	Cohort	Incidence	61 W	SIR: 1.32	1.01-1.71	
13	Russo 2008	Colon	Registry	Incidence	44 M	SIR: 0.92	0.67-1.23	
14	Russo 2008	Colon	Registry	Incidence	40 W	SIR: 1.16	0.83-1.58	
15	Russo 2008	Rectal	Registry	Incidence	16 M	SIR: 0.90	0.51-1.46	
16	Russo 2008	Rectal	Registry	Incidence	21 W	SIR: 1.80	1.12-2.76	
17	Stocks 2008	Colorectal	n-c/c	Association	125 M	OR: 1.57	0.53-4.70	
18	Stocks 2008	Colorectal	n-c/c	Association	181 W	OR: 4.16	1.30-13.3	
19	Inoue 2009	Colon	Cohort	Incidence	102 M	HR: 1.29	0.82-2.02	
20	Inoue 2009	Colon	Cohort	Incidence	106 W	HR: 1.03	0.65-1.65	
21	Inoue 2009	Rectal	Cohort	Incidence	53 M	HR: 0.62	0.29-1.34	
22	Inoue 2009	Rectal	Cohort	Incidence	51 W	HR: 0.99	0.51-1.92	
23	Matthews 2010	Colorectal	Cohort	Mortality	57 M	HR: 1.71	0.97-3.02	
24	Stocks 2010	Colorectal	Cohort	Incidence	2834 M	RR: 1.25	1.18-1.32	
25	Stocks 2010	Colorectal	Cohort	Incidence	1861 W	RR: 1.14	1.06-1.22	
26	Osaki 2011	Colon	Cohort R	Incidence	64 M	HR: 0.80	0.44-1.85	

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27	Osaki 2011	Colon	Cohort R	Incidence	94 W	HR: 1.08	0.63-1.85	
28	Osaki 2011	Rectal	Cohort R	Incidence	34 M	HR: 2.04	0.84-4.93	
29	Osaki 2011	Rectal	Cohort R	Incidence	42 W	HR: 0.86	0.35-2.14	
30	Alexandrova 2001	Colon	n-c/c	Association	312 M	RR: 1.70	1.15-2.50	
31	Alexandrova 2001	Colon	n-c/c	Association	377 W	RR: 2.25	1.55-3.26	
32	Alexandrova 2001	Rectal	n-c/c	Association	219 M	RR: 1.35	0.83-2.21	
33	Alexandrova 2001	Rectal	n-c/c	Association	185 W	RR: 2.03	1.14-3.62	
34	Zhanlong 2010	Colorectal	c/c	Survival	507 M & W	OR: 1.50	1.05-2.13	
35	Pelucchi 2010	Colon	c/c	Association	780 M	OR: 1.88	1.13-3.13	
36	Pelucchi 2010	Colon	c/c	Association	598 W	OR: 1.06	0.56-1.99	
37	Pelucchi 2010	Rectal	c/c	Association	530 M	OR: 1.96	1.13-3.40	
38	Pelucchi 2010	Rectal	c/c	Association	348 W	OR: 1.30	0.61-2.78	
Breast 12 datasets								
39	Russo 2008	Pre and postM	Registry	Incidence	99 W	SIR: 1.15	0.93-1.40	
40	Kabat 2009	Postmenopausal	Cohort RCT	Incidence	162 W	HR: 1.12	0.78-1.62	
41	Inoue 2009	Pre and postM	Cohort	Incidence	120 W	HR: 0.82	0.50-1.36	
42	Bjorge 2010	< 50 yrs	Cohort	Incidence	3043 W	RR: 0.83	0.76-0.90	
43	Bjorge 2010	50-59 yrs	Cohort	Incidence	1106 W	RR: 0.95	0.87-1.04	
44	Bjorge 2010	> 60 yrs	Cohort	Incidence	713 W	RR: 1.04	0.97-1.12	
45	Osaki 2011	Pre and postM	Cohort R	Incidence	77 W	HR: 2.87	1.67-4.96	
45 _a	Osaki 2011	Postmenopausal	Cohort R	Incidence	44 W	HR: 6.73	2.93-15.4	
46	Agnoli 2010	Postmenopausal	n-c/c	Association	163 W	RR: 1.58	1.07-2.33	
47	Capasso 2011	Postmenopausal	n-c/c	Association	210 W	OR: 1.61	1.07-1.77	
48	Porto 2011	Pre and postM	c/c	Association	81 W	OR: 2.49	1.17-5.30	
49	Rosato 2011	Postmenopausal	c/c	Association	3869 W	OR: 1.75	1.37-2.22	
Hepatobiliary 14 datasets								
50	Russo 2008	Liver	Registry	Incidence	33 M	SIR: 1.41	0.97-1.98	
51	Russo 2008	Liver	Registry	Incidence	5 W	SIR: 0.57	0.18-1.32	
52	Russo 2008	Gallbladder	Registry	Incidence	54 M	SIR: 1.09	0.82-1.43	
53	Russo 2008	Gallbladder	Registry	Incidence	10 W	SIR: 0.91	0.44-1.68	
54	Inoue 2009	Liver	Cohort	Incidence	74 M	HR: 1.73	1.03-2.91	

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55	Inoue 2009	Liver	Cohort	Incidence	40 W	HR: 1.18	0.55-2.51	
56	Matthews 2010	Liver	Cohort	Mortality	18 M	HR: 1.62	0.59-4.41	
57	Osaki 2011	Liver	Cohort R	Incidence	82 M	HR: 1.89	1.11-3.22	
58	Osaki 2011	Liver	Cohort R	Incidence	47 W	HR: 3.67	1.78-7.57	
59	Borena 2011	Liver	Cohort	Incidence	195 M, 71 W	RR: 1.35	1.12-1.61	
60	Welzel 2011	Liver HCC	c/c	Association	2444 M, 1205 W	OR: 2.13	1.96-2.31	
61	Welzel 2011	Liver ICC	c/c	Association	353 M, 390 W	OR: 1.56	1.32-1.83	
62	Shelb 2011	Gallbladder	c/c	Association	368 M & W	OR: 2.75	1.82-4.15	
63	Shelb 2011	Biliary	c/c	Association	191 M & W	OR: 1.92	1.07-3.42	
Prostate 14 datasets								
64	Laukkanen 2004	Prostate	Cohort	Incidence	56 M	RR: 1.9	1.10-3.50	
65	Lund Håheim 2006	Prostate	Cohort	Incidence	507 M	RR: 1.56	1.21-2.00	
66	Tande 2006	Prostate	Cohort	Incidence	385 M	RR: 0.77	0.60-0.98	
67	Tuohimaa 2007	Prostate	n-c/c	Association	132 M	OR: 3.36	1.19-9.44	
68	Russo 2008	Prostate	Registry	Incidence	94 M	SIR: 0.93	0.75-1.14	
69	Jagger 2009	Prostate	Cohort	Mortality	34 M	HR: 1.32	0.65-2.77	
70	Inoue 2009	Prostate	Cohort	Incidence	119 M	HR: 0.76	0.47-1.22	
71	Martin 2009	Prostate	Cohort	Incidence	687 M	HR: 0.91	0.71-1.09	
72	Wallner 2010	Prostate	Cohort	Incidence	206 M	HR: 0.65	0.37-1.10	
73	Grundmark 2010	Prostate	Cohort	Incidence	237 M	RR: 1.29	0.89-1.88	
74	Osaki 2011	Prostate	Cohort R	Incidence	152 M	HR: 1.22	0.79-1.87	
75	Beebe-Dimmer 2009	Prostate	c/c	Association	637 M Whites	OR: 1.02	0.64-1.62	
76	Pelucchi 2011	Prostate	c/c	Association	1294 M	OR: 1.66	1.22-1.28	
77	De Nunzio 2011	Prostate	Series	Association	83 M	OR: 0.97	0.48-1.95	
Endometrium 5 datasets								
78	Cust 2007	Endometrium	n-c/c	Association	284 W	RR: 2.12	1.51-2.97	
79	Russo 2008	Endometrium	Registry	Incidence	20 W	SIR: 1.56	0.95-2.41	
80	Bjørge 2011	Endometrium	Cohort	Incidence	917 W	RR: 1.37	1.28-1.46	
81	Rosato 2011	Endometrium	c/c	Association	454 W	OR: 1.67	0.99-2.81	
82	Friedenreich 2011	Endometrium	c/c	Association	515 W	OR: 1.57	1.18-2.08	
Pancreas 9 datasets								

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83	Russo 2008	Pancreas	Registry	Incidence	24 M	SIR: 1.78	1.14-2.66	
84	Russo 2008	Pancreas	Registry	Incidence	19 W	SIR: 1.45	0.87-2.26	
85	Inoue 2009	Pancreas	Cohort	Incidence	24 M	HR: 0.28	0.07-1.22	
86	Inoue 2009	Pancreas	Cohort	Incidence	41 W	HR: 1.80	0.94-3.45	
87	Johansen 2010	Pancreas	Cohort	Incidence	545 M	RR: 1.07	0.94-1.11	
88	Johansen 2010	Pancreas	Cohort	Incidence	315 W	RR: 1.58	1.34-1.87	
89	Matthews 2010	Pancreas	Cohort	Mortality	56 M	HR: 1.38	0.76-2.49	
90	Rosato 2011	Pancreas	c/c	Association	174 M	OR: 2.08	0.90-4.74	
91	Rosato 2011	Pancreas	c/c	Association	152 W	OR: 1.68	0.40-7.14	
Gastric 7 datasets								
92	Russo 2008	Gastric	Registry	Incidence	25 M	SIR: 1.15	0.75-1.17	
93	Russo 2008	Gastric	Registry	Incidence	4 W	SIR: 0.28	0.07-0.73	
94	Inoue 2009	Gastric	Cohort	Incidence	233 M	HR: 0.87	0.62-1.21	
95	Inoue 2009	Gastric	Cohort	Incidence	138 W	HR: 0.77	0.49-1.21	
96	Matthews 2010	Gastric	Cohort	Mortality	22 M	HR: 0.45	0.16-1.3	
97	Osaki 2011	Gastric	Cohort R.	Incidence	226 M	HR: 0.74	0.50-1.10	
98	Osaki 2011	Gastric	Cohort R.	Incidence	167 W	HR: 0.98	0.65-1.49	
Lung 7 datasets								
99	Russo 2008	Lung	Registry	Incidence	100 M	SIR: 1.07	0.87-1.30	
100	Russo 2008	Lung	Registry	Incidence	18 W	SIR: 0.66	0.39-1.04	
101	Inoue 2009	Lung	Cohort	Incidence	149 M	HR: 0.86	0.57-1.30	
102	Inoue 2009	Lung	Cohort	Incidence	75 W	HR: 0.66	0.35-1.24	
103	Jagger 2009	Lung	Cohort	Mortality	157 M	HR: 1.47	1.04-2.05	
104	Osaki 2011	Lung	Cohort R	Incidence	130 M	HR: 0.48	0.26-0.91	
105	Osaki 2011	Lung	Cohort R	Incidence	81 W	HR: 1.05	0.58-1.89	
Bladder 4 datasets								
106	Russo 2008	Bladder	Registry	Incidence	54 M	SIR: 1.09	0.82-1.43	
107	Russo 2008	Bladder	Registry	Incidence	10 W	SIR: 0.91	0.44-1.68	
108	Häggström 2011	Bladder	Cohort	Incidence	1587 M	RR: 1.10	1.01-1.18	
109	Häggström 2011	Bladder	Cohort	Incidence	327 W	RR: 0.95	0.79-1.14	
Thyroid 4 datasets								

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110	Russo 2008	Thyroid	Registry	Incidence	4 M	SIR: 2.07	0.56-5.31	
111	Russo 2008	Thyroid	Registry	Incidence	3 W	SIR: 0.90	0.18-2.62	
112	Almquist 2011	Thyroid	Cohort	Incidence	133 M	RR: 1.13	0.94-1.35	
113	Almquist 2011	Thyroid	Cohort	Incidence	255 W	RR: 1.00	0.87-1.15	
Ovary 2 datasets								
114	Russo 2008	Ovary	Registry	Incidence	10 W	SIR: 1.56	0.95-2.41	
115	Bjørge 2011	Ovary	Cohort	Incidence	644 W	RR: 1.17	0.89-1.53	

M =men; W =women; RR =relative risk; HR =hazard ratio; OR =odds ratio; SIR: standardized incidence ratio; RCT =randomized controlled tria; postM = postpostmenopausal; c/c =case-control; n-c/c =nested case-control; cohort R =retrospective

Supplementary Table 3. Baseline characteristics of studies included in meta-analysis

First author reference (main paper)	Country	Design	Sex	Men cases	Women cases	Cohort or controls	Endpoint	Mean FU years	MS traditional	Number of CSSRF	Quality score (0-3)
Colorectal (14 articles, 38 datasets)											
Trevisan 2001⁸	Italy	Cohort	M & W	4	2	21311 M	Mortality	7	No	2 (age, alcohol)	1
Colangelo 2002⁹	USA	Cohort	M & W	191	126	20433 M 15149 W	Mortality	26.2	No	1 (age)	1
Ahmed 2006¹⁰	USA	Cohort	M & W	107	87	6630 M 7563 W	Incidence	11.5	Yes	5 (age, alcohol, family history, HRT, PA)	3
Bowers 2006¹¹	Finland	RCT	M	410		28983 M	Incidence	14.1	No	4 (age, alcohol, PA, diet)	2
Sturmer 2006¹²	USA	Cohort	M	494		22046 M	Incidence	19	No	4 (age, alcohol, exercise, fruit)	2
Russo 2008¹³	Italy	Cohort Registry	M & W	60	61	16677 M+W	Incidence	2.7	No	0	0
Stock 2008¹⁴	Sweden	n-c/c	M & W	125	181	595 controls	Association		No	0	0
Inoue 2009¹⁵	Japan	Cohort	M & W	155	157	9548 M 18176 W	Incidence	10.2	Yes	3 (age, alcohol, PA)	3

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Matthews 2010¹⁶	USA	Cohort	M	57		33230 M	Mortality	14.4	Yes	3 (age, alcohol, family history)	3
Stocks 2010¹⁷	Norway	Cohort	M & W	2834	1861	289866 M	Incidence	12	No	1 (age)	1
	Sweden					288834 W					
	Austria										
Osaki 2011¹⁸	Japan	Cohort R	M & W	98	136	8329 M	Incidence	9.1	Yes	2 (age, alcohol)	2
						15386 W					
Alexandrova 2011¹⁹	Europe	n-c/c	M & W	531	562	1093 controls	Association	3.7	Yes	5 (age, alcohol, PA, fruit, diet)	2
Shen 2010²⁰	China	c/c	M & W	285	222	507	Survival		No	2 (age, family history)	1
Pelucchi 2010²¹	Italy	c/c	M & W	1310	946	4661	Association		No	4 (age, alcohol, PA, diet)	1
	Switzerland										
Breast (9 articles, 12 datasets)											
Russo 2008¹³	Italy	Cohort registry	W		99	16677 M+W	Incidence	2.7	No	0	0
Kabat 2009²²	USA	RCT Cohort	W		162	4936	Incidence	8	Yes	6 (age, alcohol, OC, HRT, age at menopause, family history)	3
		Postmenopausal				1054					
Inoue 2009¹⁵	Japan	Cohort	W		120	18176	Incidence	10.2	Yes	2 (age, alcohol)	2
Bjorge 2010²³	Austria	Cohort	W		4862	287320	Incidence	11	No	2 (age, age at the childbirth, parity)	2
	Sweden	1 cohort postmenopausal									
	Norway										
Osaki 2011¹⁸	Japan	Cohort R	W		77	15386	Incidence	9.1	Yes	2 (age, alcohol)	2
		Postmenopausal									
Agnoli 2010²⁴	Italy	n-c/c	W		163	629 controls	Association	13.5	Yes	5 (age, parity, alcohol, OC, family history)	3
		Postmenopausal									
Capasso 2011²⁵	Italy	n-c/c	W		210	289 controls	Association		Yes	6 (age, parity, HRT, OC, family history, menarche)	2
		Postmenopausal									

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Porto 2011²⁶	Brazil	c/c	W		81	83	Association		Yes	0	1
						controls					
Rosato 2011²⁷	Italy	c/c	W		3869	4082	Association		No	7 (age, alcohol, menarche,	1
	Switzer-land	Postmenopausal				controls				parity, HRT, age at menopause family history)	
Hepatobiliary (7 articles, 14 datasets)											
Russo 2008¹³	Italy	Cohort	M & W	87	15	16677 M+W	Incidence	2.7	No	0	0
		Registry									
Inoue 2009¹⁵	Japan	Cohort	M & W	74	40	9548 M	Incidence	10.2	Yes	2 (age, alcohol)	3
						18176 W					
Matthew 2010¹⁶	USA	Cohort	M	18		33230 M	Mortality	14.4	Yes	2 (age, alcohol)	3
Osaki 2011¹⁸	Japan	Cohort R	M & W	82	47	8329 M	Incidence	9.1	Yes	2 (ag, alcohol)	3
						15386 W					
Borena 2011²⁸	Norway	Cohort	M & W	195	71	289866 M	Incidence	12	No	2 (age, alcohol)	2
	Sweden					288834 W					
	Austria										
Shelb 2011²⁹	China	c/c	M & W			959	Association		Yes	1 (age)	1
						559	controls				
Welzel 2011³⁰	USA	c/c	M & W	2797	1595	195 953	Association		No	1 (age)	0
						controls					
Prostate (14 articles, 14 datasets)											
Laukkanen³¹	Norway	Cohort	M	56		1880	Incidence	13	Yes	3 (age, vitamin E, fat diet)	3
2004											
Lund-Haeim³²	Norway	Cohort	M	507		15933	Incidence	27	No	1 (age)	1
2006											
Tande 2006³³	USA	Cohort	M	385		6429	Incidence	11.5	Yes	4 (age, family history, milk intake, energy intake)	3
Tuohimaa 2007³⁴	Finland	n-c/c	M	132		456	Association		No	1 (vitamin D)	0

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						controls					
Russo 2008¹³	Italy	Cohort	M	94		16677 M+W	Incidence	2.7	No	0	0
		registry									
Jagger 2009³⁵	USA	Cohort	M	34		33230	Mortality	14	Yes	2 (age, family history)	2
Inoue 2009¹⁵	Japan	Cohort	M	119		9548	Incidence	10.2	Yes	1 (age)	2
Martin 2009³⁶	Norway	Cohort	M	687		29364	Incidence	9.3	Yes	1 (age)	2
Wallner 2010³⁷	USA	Cohort	M	206		475	incidence	15	No	2 (age, family history)	1
Grundmark³⁸	Sweden	Cohort	M	237		2322	Incidence	34	Yes	1 (age)	2
2010											
Osaki 2011¹⁸	Japan	Cohort R	M	152		8329	Incidence	9.1	Yes	1 (age)	2
Beebe-Dimmer³⁹	USA	c/c	M	637		244	Association		No	2 (age, vitamin E)	0
2009						controls					
Pelucchi 2011⁴⁰	Italy	c/c	M	1294		1451	Association		No	2 (age, family history)	0
						controls					
De Nunzio 2011⁴¹	Italy	Series	M	83		195	Association		Yes	2 (age, testosterone)	1
Endometrium (5 articles, 5 datasets)											
Cust 2007⁴²	Europe	n-c/c	W		284	546	Association	3	Yes	4 (age at menopause, HRT, OC, parity)	3
						controls					
Russo 2008¹³	Italy	Cohort	W		20	16677 M+W	Incidence	2.7	No	0	0
		registry									
Bjorge 2011⁴³	Austria	Cohort	W		917	287320 W	Incidence	10	No	3 (age, BMI, parity)	2
	Sweden										
	Norway										
Rosato 2011⁴⁴	Italy	c/c	W		454	789	Association		No	4 (age, parity, OC, HRT)	1
						controls					
Friedenreich⁴⁵	Canada	c/c	W		515	962	Association		Yes	3 (age, parity, HRT)	2
2011						controls					
Pancreas (5 articles, 9 datasets)											

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Russo 2008¹³	Italy	Cohort	M & W	24	19	16677 M+W	Incidence	2.7	No	0	0
		registry									
Inoue 2009¹⁵	Japan	Cohort	M & W	24	41	9548 M	Incidence	10.2	Yes	2 (age, smoking)	3
						18176 W					
Johansen 2010⁴⁶	Austria	Cohort	M & W	545	315	288976 M	Incidence	12.8	No	2 (age, smoking)	2
	Norway					288339 W		11.3			
	Sweden										
Matthews 2010¹⁶	USA	Cohort	M	56		33230	Mortality	14.4	Yes	2 (age smoking)	3
Rosato 2011⁴⁷	Italy	c/c	M & W	174	152	652	Association		No	2 (age , smoking)	1
						controls					
Gastric (4 articles, 7 datasets)											
Russo 2008¹³	Italy	Cohort	M & W	25	4	16677 M+W	Incidence	2.7	No	0	0
		registry									
Inoue 2009¹⁵	Japan	Cohort	M & W	233	138	9548 M	Incidence	10.2	Yes	1 (age)	2
						18176 W					
Matthews 2010¹⁶	USA	Cohort	M	22		33230	Mortality	14.4	Yes	1 (age)	2
Osaki 2011¹⁸	Japan	Cohort R	M & W	226	167	8239 M	Incidence	9.1	Yes	1 (age)	2
Lung (4 articles, 7 datasets)											
Russo 2008¹³	Italy	Cohort	M & W	100	18	16677 M+W	Incidence	2.7	No	0	0
		registry									
Inoue 2009¹⁵	Japan	Cohort	M & W	149	75	9548 M	Incidence	10.2	Yes	2 (age, smoking)	3
						18176 W					
Jagger 2009³⁵	USA	Cohort	M	157		33230 M	Mortality	14	Yes	2 (age, smoking)	3
Osaki 2011¹⁸	Japan	Cohort R	M & W	130	81	8329 M	Incidence	9.1	Yes	2 (age, smoking)	3
						15386 W					
Bladder (2 articles, 4 datasets)											
Russo 2008¹³	Italy	Cohort	M & W	54	10	16677 M+W	Incidence	2.7	No	1 (age)	0
		registry									

SUPPLEMENTARY DATA

Hägström⁴⁸	Norway	Cohort	M & W	1587	327	289866 M	Incidence	12	No	1 (age)	
2011	Austria					288834 W					1
	Sweden										
Thyroid (2 articles, 4 datasets)											
Russo 2008¹³	Italy	Cohort	M & W	4	3	16677 M+W	Incidence	2.7	No	0	0
		registry									
Almquist 2011⁴⁹	Norway	Cohort	M & W	133	255	289866 M	Incidence	12	No	1 (age)	1
	Austria					288834 W					
	Sweden										
Ovary (2 articles, 2 datasets)											
Russo 2008¹³	Italy	Cohort	M & W		10	16677 M+W	Incidence	2.7	No	0	0
		registry									
Bjørge 2011⁵⁰	Norway	Cohort	W		644	287320 W	Incidence	11	No	1 (age)	1
	Austria										
	Sweden										

M & W =men & women; FU =follow up; MS =metabolic syndrome; CSSRF: cancer site-specific risk factors; HRT: hormone replacement Therapy; OC =oral contraceptives; PA =physical activity; BMI =body mass index; c/c =case-control study; n-c/c =nested case-control study

SUPPLEMENTARY DATA

Supplementary Figure 1. Articles identified and screened for eligibility

