Supplementary Table 1. Cancer types and their respective ICD-10 codes.

Cancer site	**ICD-10 codes**
Total cancer except for NMSC	C00-C80 (except C44), D09.0, D41.4
Lip, oral cavity and pharynx	C00-C14
Esophagus	C15
Stomach	C16
Colon	C18
Rectum	C19-21
Liver	C22
Gallbladder	C23-24
Pancreas	C25
Larynx	C32
Lung	C33-34
Skin melanoma	C43
Breast	C50
Cervix uteri	C53
Corpus uteri	C54
Ovary	C56
Prostate	C61
Testis	C62
Kidney	C64
Urinary bladder	C67, D09.0, D41.4
Brain and CNS	C70 -72
Thyroid	C73
Hodgkin's lymphoma	C81
NHL	C82-86, C96
Multiple myeloma	C90
Leukemias	C91-95
Others	(**) C17, C26, C30-31, C37-41, C45-52, C55, C57, C58, C60, C63, C65, C66, C68, C69, C74-76, C80

CNS: Central Nervous System; NHL: Non-Hodgkin's lymphoma; NMSC: non-melanoma skin cancer.

Supplementary Table 2. Incidence trends for men aged 20-29. REDECAN, Spain, 1993-2018. *Note: Significant increasing trends are marked in red and significant decreasing trends are marked in green.*

	Joinpoint 1			Joinpoint 2		
Cancer site	**Period**	**APC**	**95% CI**	**Period**	**APC**	**95% CI**
Total except non-melanoma skin	1993-2018	**1.1***	0.7 to 1.6			
Lip, oral cavity and pharynx	1993-2018	0.1	-3.4 to 3.7			
Esophagus	1993-2018	11.2	-11.4 to 40.5			
Stomach	1993-2018	-0.2	-3.1 to 2.8			
Colon	1993-2018	**5.5***	2.3 to 8.8			
Rectum	1993-2018	13.8	-5.0 to 36.7			
Liver	1993-2018	9.6	-12.8 to 37.0			
Gallbladder	1993-2018	2.5	-18.7 to 29.3			
Pancreas	1993-2018	11.1	-14.1 to 43.4			
Larynx	1993-2018	-14.9	-38.3 to 18.0			
Lung	1993-2018	0.9	-18.4 to 24.8			
Skin melanoma	1993-2018	1.5	-0.8 to 3.8			
Prostate	1993-2018	-9.9	-27.2 to 11.8			
Testis	1993-2003	**7.3***	5.5 to 10.2	2003-2018	0.1	-1.2 to 1.1
Kidney	1993-2018	2.1	-2.6 to 7.1			
Urinary bladder	1993-2018	0.4	-2.6 to 3.5			
Brain and CNS	1993-2018	-0.5	-1.8 to 0.7			
Thyroid	1993-2018	**3.5***	0.9 to 6.3			
Hodgkin's lymphoma	1993-2018	**2.0***	0.6 to 3.3			
NHL	1993-2018	0.3	-1.3 to 2.0			
Multiple myeloma	1993-2018	-5.9	-28.9 to 24.0			
Leukemias	1993-2018	-0.4	-1.9 to 1.1			
Others	1993-2018	-0.9	-2.3 to 0.6			

* p-value < 0.05; APC: annual percent change; CI: confidence interval; CNS: Central Nervous System; NHL: Non-Hodgkin's lymphoma

Supplementary Table 3. Incidence trends for men aged 30-39. REDECAN, Spain, 1993-2018. *Note: Significant increasing trends are marked in red and significant decreasing trends are marked in green.*

	Joinpoint 1			Joinpoint 2		
Cancer site	**Period**	**APC**	**95% CI**	**Period**	**APC**	**95% CI**
Total except non-melanoma skin	1993-2006	**-1.4***	-2.8 to -0.7	2006-2018	0.7	-0.1 to 2.4
Lip, oral cavity and pharynx	1993-2013	**-5.7***	-9.4 to -4.6	2013-2018	2.8	-4.5 to 8.0
Esophagus	1993-2018	-7.5	-23.4 to 11.2			
Stomach	1993-2012	**-5.5***	-11.6 to -3.5	2012-2018	9.8	-1.5 to 21.9
Colon	1993-2018	-1.3	-2.9 to 0.2			
Rectum	1993-2018	1.1	-0.7 to 2.8			
Liver	1993-2018	-0.1	-2.6 to 2.5			
Gallbladder	1993-2018	-13.1	-32.5 to 12.1			
Pancreas	1993-2018	1.8	-0.6 to 4.3			
Larynx	1993-2012	**-11.4***	-16.1 to -9.2	2012-2018	7.8	-5.6 to 22.2
Lung	1993-2018	**-6.1***	-7.3 to -5.0			
Skin melanoma	1993-2001	**8.5***	3.3 to 19.7	2001-2018	0.0	-5.6 to 1.6
Prostate	1993-2018	-2.5	-24.3 to 26.2			
Testis	1993-2010	**8.9***	7.6 to 13.4	2010-2018	2.1	-5.4 to 5.9
Kidney	1993-2018	1.4	0.3 to 3.0			
Urinary bladder	1993-2018	**-2.4***	-3.9 to -0.9			
Brain and CNS	1993-2018	-1.3	-2.8 to 0.2			
Thyroid	1993-2018	**3.2***	1.9 to 4.5			
Hodgkin's lymphoma	1993-2018	0.8	-0.4 to 2.1			
NHL	1993-2018	**-1.5***	-2.7 to -0.3			
Multiple myeloma	1998-2013	2.7	-9.9 to 83.4	2013-2018	**-65.0***	-84.0 to -15.9
Leukemias	1993-2018	-0.2	-1.2 to 0.9			
Others	1993-2007	**-4.3***	-7.4 to -3.2	2007-2018	**-1.1***	-2.6 to 2.9

* p-value < 0.05; APC: annual percent change; CI: confidence interval; CNS: Central Nervous System; NHL: Non-Hodgkin's lymphoma

Supplementary Table 4. Incidence trends for men aged 40-49. REDECAN, Spain, 1993-2018. *Note: Significant increasing trends are marked in red and significant decreasing trends are marked in green.*

	Joinpoint 1			Joinpoint 2			Joinpoint 3		
Cancer site	**Period**	**APC**	**95% CI**	**Period**	**APC**	**95% CI**	**Period**	**APC**	**95% CI**
Total except non-melanoma skin	1993-1998	0.7	-1.0 to 2.1	1998-2018	**-2.3***	-2.6 to -2.1			
Lip, oral cavity and pharynx	1993-1999	-3.1	-5.8 to 0.3	1999-2018	**-6.9***	-8.5 to -6.4			
Esophagus	1993-2018	**-5.8***	-6.8 to -4.8						
Stomach	1993-2018	**-4.0***	-4.7 to -3.4						
Colon	1993-1998	**6.7***	0.5 to 12.3	1998-2018	**-1.7***	-3.7 to -1.1			
Rectum	1993-2018	**-0.6***	-1.2 to -0.0						
Liver	1993-2009	**7.0***	5.4 to 8.9	2009-2018	**-12.4***	-16.4 to -9.2			
Gallbladder	1993-2018	-0.6	-2.7 to 1.6						
Pancreas	1993-2018	0.2	-1.1 to 1.4						
Larynx	1993-2003	-4.5	-6.5 to 0.8	2003-2018	**-9.1***	-12.0 to -8.0			
Lung	1993-2004	-1.7	-3.2 to 1.1	2004-2018	**-6.9***	-8.7 to -5.9			
Skin melanoma	1993-2018	**2.0***	1.3 to 2.67						
Prostate	1993-2010	**11.0***	8.7 to 15.8	2010-2018	-3.4	-14.2 to 3.4			
Testis	1993-2018	**7.6***	5.7 to 9.6						
Kidney	1993-1999	**14.4***	10.4 to 20.4	1999-2006	**-3.4***	-6.2 to -0.4	2006-2018	**3.3***	1.8 to 7.4
Urinary bladder	1993-2003	**-0.4**	-1.8 to 2.9	2003-2018	**-3.8***	-5.6 to -3.1			
Brain and CNS	1993-2018	**-1.5***	-2.2 to -0.8						
Thyroid	1993-2018	**5.1***	4.0 to 6.2						
Hodgkin's lymphoma	1993-2018	0.5	-1.1 to 2.1						
NHL	1993-1998	6.1	1.4 to 10.3	1998-2018	-0.0	-2.1 to 0.5			
Multiple myeloma	1993-2018	**1.7***	0.2 to 3.1						
Leukemias	1993-2005	1.3	-0.2 to 6.3	2005-2018	**-2.1***	-6.6 to -0.9			
Others	1993-2018	**-2.9***	-3.4 to -2.5						

* p-value < 0.05; APC: annual percent change; CI: confidence interval; CNS: Central Nervous System; NHL: Non-Hodgkin's lymphoma

Supplementary Table 5. Incidence trends for women aged 20-29. REDECAN, Spain, 1993-2018. *Note: Significant increasing trends are marked in red and significant decreasing trends are marked in green.*

	Joinpoint 1			Joinpoint 2		
Cancer site	**Period**	**APC**	**95% CI**	**Period**	**APC**	**95% CI**
Total except non-melanoma skin	1993-2018	**1.2***	0.8 to 1.6			
Lip, oral cavity and pharynx	1993-2018	**3.7***	1.1 to 6.5			
Esophagus	1993-2018	10.5	-4.0 to 27.1			
Stomach	1993-2018	2.4	-16.7 to 26.5			
Colon	1993-2018	**21.1***	0.5 to 45.7			
Rectum	1993-2018	9.8	-11.7 to 36.6			
Liver	1993-2018	-11.0	-31.5 to 15.5			
Gallbladder	1993-2018	6.5	-9.9 to 25.4			
Pancreas	1993-2018	-0.2	-22.6 to 28.7			
Larynx	1993-2018	-7.2	-21.1 to 9.0			
Lung	1993-2018	-8.9	-25.0 to 10.7			
Skin melanoma	1993-2000	**9.5***	2.8 to 20.2	2000-2018	**-2.2***	-5.7 to -0.8
Breast	1993-2018	**2.3***	1.2 to 3.5			
Cervix uteri	1993-2000	**-11.5***	-21.5 to -2.7	2000-2018	**4.2***	1.9 to 9.5
Corpus uteri	1993-2018	3.6	-1.1 to 8.5			
Ovary	1993-2018	**-2.2***	-4.2 to -0.3			
Kidney	1993-2018	11.8	-5.3 to 31.2			
Urinary bladder	1993-2018	-4.6	-21.7 to 16.8			
Brain and CNS	1993-2018	-0.1	-2.5 to 2.4			
Thyroid	1993-2018	**2.3***	1.1 to 3.5			
Hodgkin's lymphoma	1993-1998	**14.0***	4.1 to 22.4	1998-2018	1.2	-2.6 to 2.4
NHL	1993-2018	0.4	-1.2 to 2.0			
Multiple myeloma	1993-2018	8.4	-15.2 to 38.5			
Leukemias	1993-2018	-0.5	-2.4 to 1.5			
Others	1993-2018	-1.1	-2.2 to 0.1			

* p-value < 0.05; APC: annual percent change; CI: confidence interval; CNS: Central Nervous System; NHL: Non-Hodgkin's lymphoma

Supplementary Table 6. Incidence trends for women aged 30-39. REDECAN, Spain, 1993-2018. *Note: Significant increasing trends are marked in red and significant decreasing trends are marked in green.*

	Joinpoint 1			Joinpoint 2			Joinpoint 3		
Cancer site	**Period**	**APC**	**95% CI**	**Period**	**APC**	**95% CI**	**Period**	**APC**	**95% CI**
Total except non-melanoma skin	1993-2010	0.3	-0.9 to 0.7	2010-2018	**1.8***	0.8 to 3.5			
Lip, oral cavity and pharynx	1993-2018	-0.4	-2.7 to 1.9						
Esophagus	1993-2018	-22.5	-43.5 to 6.9						
Stomach	1993-2018	-1.7	-3.5 to 0.2						
Colon	1993-2018	-0.1	-1.9 to 1.7						
Rectum	1993-2018	-0.5	-2.4 to 1.4						
Liver	1993-2018	-2.1	-18.8 to 17.7						
Gallbladder	1993-2018	5.5	-15.7 to 32.0						
Pancreas	1993-2018	19.6	-0.6 to 44.0						
Larynx	1993-2018	**-25.3***	-39.8 to -7.2						
Lung	1993-2018	**-2.6***	-4.2 to -1.0						
Skin melanoma	1993-2003	**5.1***	2.2 to 12.8	2003-2018	-0.3	-5.5 to 1.3			
Breast	1993-2018	**1.1***	0.7 to 1.4						
Cervix uteri	1993-2006	**-0.6**	-1.5 to 2.5	2006-2012	**-5.1***	-7.4 to -2.3	2012-2018	**9.3***	5.6 to 14.6
Corpus uteri	1993-2018	1.1	-0.1 to 2.3						
Ovary	1993-2018	**-1.1***	-2.1 to -0.1						
Kidney	1993-2018	**2.9***	0.5 to 5.4						
Urinary bladder	1993-2018	-1.0	-3.2 to 1.4						
Brain and CNS	1993-2018	**-1.7***	-2.8 to -0.7						
Thyroid	1993-2018	**3.6***	2.7 to 4.5						
Hodgkin's lymphoma	1993-2018	1.3	-0.1 to 2.7						
NHL	1993-2000	**5.1***	2.0 to 10.9	2000-2006	**-8.9***	-11.3 to -4.5	2006-2018	**4.3***	2.6 to 7.3
Multiple myeloma	1993-1999	**185.0***	21.5 to 781.8	1999-2018	**0.1**	-57.2 to 20.9			
Leukemias	1993-2018	-0.3	-2.0 to 1.4						
Others	1993-2018	**-0.1**	-0.9 to 0.6						

* p-value < 0.05; APC: annual percent change; CI: confidence interval; CNS: Central Nervous System; NHL: Non-Hodgkin's lymphoma

Supplementary Table 7. Incidence trends for women aged 40-49. REDECAN, Spain, 1993-2018. *Note: Significant increasing trends are marked in red and significant decreasing trends are marked in green.*

	Joinpoint 1			Joinpoint 2		
Cancer site	**Period**	**APC**	**95% CI**	**Period**	**APC**	**95% CI**
Total except non-melanoma skin	1993-2003	**1.9***	1.3 to 3.0	2003-2018	0.2	-0.4 to 0.5
Lip, oral cavity and pharynx	1993-2018	-1.1	-2.5 to 0.3			
Esophagus	1993-2013	2.8	-8.1 to 47.1	2013-2018	**-70.9***	-86.6 to -25.5
Stomach	1993-2018	**-1.4***	-2.4 to -0.4			
Colon	1993-1999	**3.7***	0.4 to 7.9	1999-2018	**-0.9***	-2.9 to -0.3
Rectum	1993-2018	0.3	-0.9 to 1.4			
Liver	1993-2009	**7.3***	4.7 to 13.0	2009-2018	-5.8	-16.6 to 0.0
Gallbladder	1993-2011	**-2.8***	-16.6 to -0.3	2011-2018	8.3	-0.5 to 20.7
Pancreas	1993-2018	**2.0***	0.4 to 3.6			
Larynx	1993-1998	**38.0***	11.9 to 58.0	1998-2018	**-4.0***	-7.9 to -1.7
Lung	1993-2005	**10.4***	8.6 to 12.6	2005-2018	**-5.5***	-7.1 to -4.0
Skin melanoma	1993-1999	**5.7***	2.1 to 9.9	1999-2018	0.5	-1.3 to 1.1
Breast	1993-2018	**1.1***	0.8 to 1.3			
Cervix uteri	1993-2018	**-1.2***	-1.9 to -0.6			
Corpus uteri	1993-2018	0.3	-0.3 to 0.8			
Ovary	1993-2018	-0.8	-1.5 to 0.0			
Kidney	1993-1998	**12.6***	4.2 to 19.4	1998-2018	0.7	-1.5 to 1.6
Urinary bladder	1993-2004	**5.2***	2.0 to 12.1	2004-2018	**-4.0***	-8.0 to -1.9
Brain and CNS	1993-2018	-0.8	-1.9 to 0.3			
Thyroid	1993-2018	**4.3***	3.5 to 5.1			
Hodgkin's lymphoma	1993-2018	**2.7***	1.1 to 4.3			
NHL	1993-2018	0.6	-0.2 to 1.5			
Multiple myeloma	1993-2018	1.3	-1.2 to 3.8			
Leukemias	1993-2018	-0.0	-1.1 to 1.1			
Others	1993-2003	**2.6***	0.6 to 6.8	2003-2018	**-1.7***	-4.7 to -0.7

* p-value < 0.05; APC: annual percent change; CI: confidence interval; CNS: Central Nervous System; NHL: Non-Hodgkin's lymphoma