

Supplementary file belonging to:

Increasing incidence of colorectal cancer in young adults in Europe over the last 25 years

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Country	Incidence	Mortality	Population	Microscopically verified (MV) (%)*	DCO (death certificate only) rate (%)*	Level of completeness ^o	National coverage ^o
The Netherlands	The Netherlands Cancer Registry, IKNL, 2018. https://www.cijfersoverkanker.nl	The Netherlands Cancer Registry, IKNL, 2018. https://www.cijfersoverkanker.nl	United states CENSUS bureau https://www.census.gov/en.html	97.3	-	100%	All data available from 1989
Germany	The German Centre for Cancer Registry Data (ZfKD) www.krebsdaten.de/database	The Federal Statistical Office Germany	United states CENSUS bureau https://www.census.gov/en.html	85.6	13	90%	All data available from 1999
Belgium	The Belgium cancer registry http://www.kankerregister.org/Home_en	NA	United states CENSUS bureau https://www.census.gov/en.html	99.0	-	-	95%
Ireland	National cancer registry Ireland https://www.ncri.ie	NA	United states CENSUS bureau https://www.census.gov/en.html	93.5	1.0	98.2	All data available from 1994
Italy	AIRTUM ITACAN: Cancer in Italy, Version 2.0. Italian Association of Cancer Registries http://www.registri-tumori.it	AIRTUM ITACAN: Cancer in Italy, Version 2.0. Italian Association of Cancer Registries http://www.registri-tumori.it	United states CENSUS bureau https://www.census.gov/en.html	87.9	2.5	-	70% of data available from 2006
Denmark	Association of the Nordic Cancer Registries. Danish Cancer Society.	Association of the Nordic Cancer Registries. Danish Cancer Society.	United states CENSUS bureau https://www.census.gov/en.html	95.7	0.3	100%	-

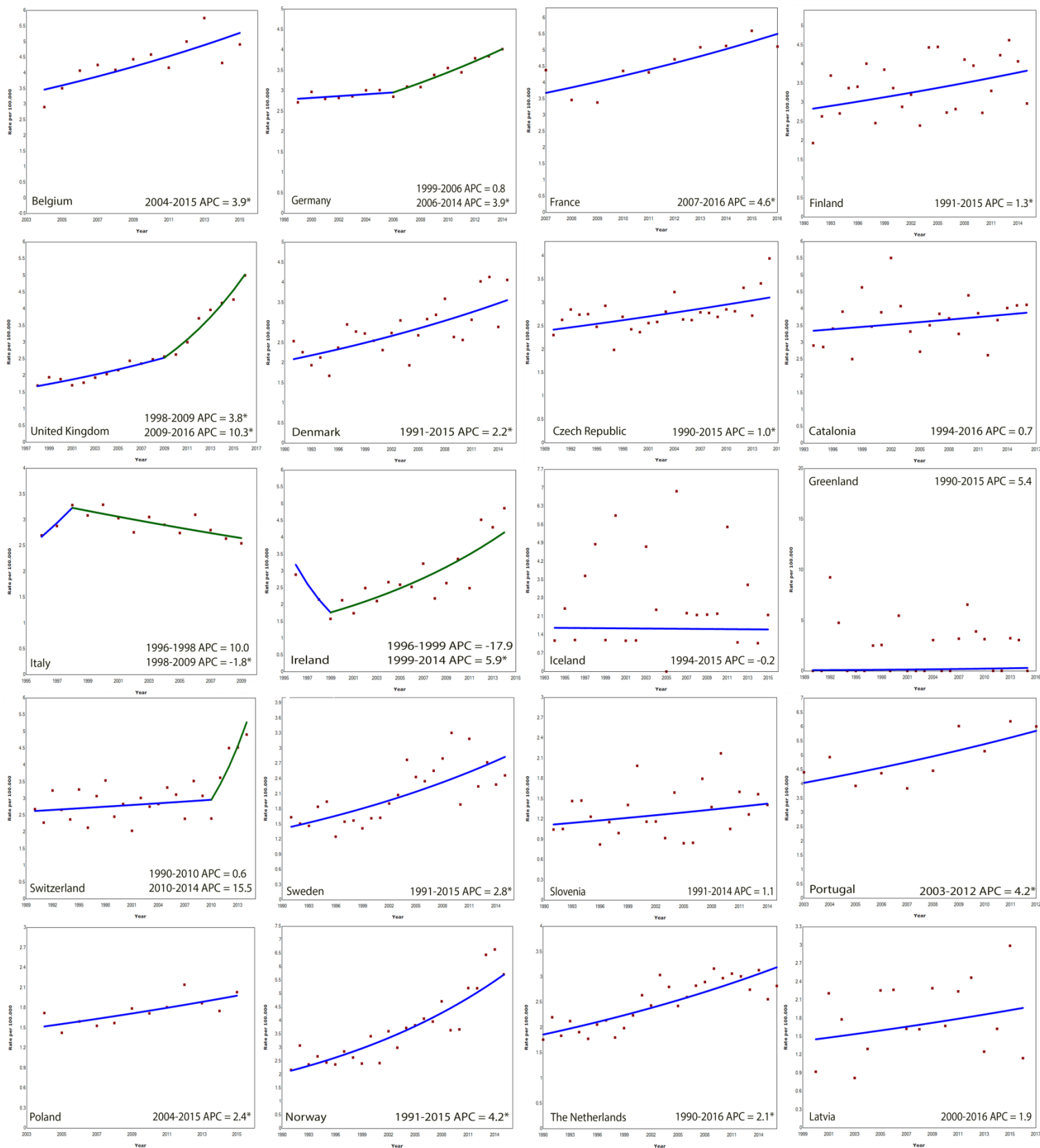
	http://www-dep.iarc.fr/NORDCAN/english/frame.asp	http://www-dep.iarc.fr/NORDCAN/english/frame.asp					
Sweden	Association of the Nordic Cancer Registries. Danish Cancer Society. http://www-dep.iarc.fr/NORDCAN/english/frame.asp	Association of the Nordic Cancer Registries. Danish Cancer Society. http://www-dep.iarc.fr/NORDCAN/english/frame.asp	United states CENSUS bureau https://www.census.gov/en.html	-	-	100%	All data available from 1960
Norway	Association of the Nordic Cancer Registries. Danish Cancer Society. http://www-dep.iarc.fr/NORDCAN/english/frame.asp	Association of the Nordic Cancer Registries. Danish Cancer Society. http://www-dep.iarc.fr/NORDCAN/english/frame.asp	United states CENSUS bureau https://www.census.gov/en.html	94.6	0.8	100%	All data available from 1953
Finland	Association of the Nordic Cancer Registries. Danish Cancer Society. http://www-dep.iarc.fr/NORDCAN/english/frame.asp	Association of the Nordic Cancer Registries. Danish Cancer Society. http://www-dep.iarc.fr/NORDCAN/english/frame.asp	United states CENSUS bureau https://www.census.gov/en.html	-	-	100%	All data available from 1953
Iceland	Association of the Nordic Cancer Registries. Danish Cancer Society. http://www-dep.iarc.fr/NORDCAN/english/frame.asp	Association of the Nordic Cancer Registries. Danish Cancer Society. http://www-dep.iarc.fr/NORDCAN/english/frame.asp	United states CENSUS bureau https://www.census.gov/en.html	>97.9	<0.3	100%	All data available from 1955

Greenland	<p>Association of the Nordic Cancer Registries. Danish Cancer Society.</p> <p>http://www-dep.iarc.fr/NORDCAN/english/frame.asp</p>	<p>Association of the Nordic Cancer Registries. Danish Cancer Society.</p> <p>http://www-dep.iarc.fr/NORDCAN/english/frame.asp</p>	<p>United states CENSUS bureau</p> <p>https://www.census.gov/en.html</p>	-	-	100%	All data available from 1968
Switzerland	<p>The Swiss national dataset managed by the Foundation National Institute for Cancer Epidemiology and Registration (NICER).</p> <p>http://www.nicer.org/en/statistics-atlas/</p>	<p>The Swiss national dataset managed by the Foundation National Institute for Cancer Epidemiology and Registration (NICER).</p> <p>http://www.nicer.org/en/statistics-atlas/</p>	<p>United states CENSUS bureau</p> <p>https://www.census.gov/en.html</p>	93.4	2.0		<p>1990-1994: 53.5% of data available</p> <p>1995-1999: 56.9% of data available</p> <p>2000-2004: 57.9% of data available</p> <p>2005-2009: 61.8% of data available</p> <p>2010-2014: 74.1% of data available</p>
France	<p>Data from health insurance administrative database:</p> <p>Source Sniiram CNAMTS</p> <p>Source INSEE, estimation of the population as of 1st January, published on 17th January 2017.</p>	NA	<p>Source INSEE, estimation of the population as of 1st January, published on 17th January 2017</p>	>93.7	-	100%	All data available from 2007

Latvia	<p>The Centre of Disease Prevention and Control, Republic of Latvia</p> <p>Register for Patients with Particular Diseases, Patients with Cancer.</p>	Register of Causes of Death	<p>United states CENSUS bureau</p> <p>https://www.census.gov/en.html</p>	80.7	5.5	100%	-
Catalonia	<p>El Càncer a Catalunya. Monografia 2016. Registre de càncer de Catalunya. Pla Director d'Oncologia. http://cancer.gencat.cat/ca/professionals/estadistiques/</p> <p>Registre del Càncer de Girona. Registre del càncer. Institut Català d'Oncologia http://ico.gencat.cat/ca/professionals/serveis_i_programes/registre_del_cancer/</p> <p>Registre del Càncer de Tarragona. Funca - registre https://funca.cat/registre</p>	<p>El Càncer a Catalunya. Monografia 2016. Registre de càncer de Catalunya. Pla Director d'Oncologia. http://cancer.gencat.cat/ca/professionals/estadistiques/</p> <p>Registre de Mortalitat de Catalunya. Mortalitat. Departament de Salut http://salutweb.gencat.cat/ca/el_departament/estadistiques_sanitaries/dades_de_salut_i_serveis_sanitaris/mortalitat/</p>	<p>Institut d'Estadística de Catalunya. Idescat www.idescat.cat</p>	91.7	2.2	100%	100%
Slovenia	<p>Cancer Registry of Republic of Slovenia RS Data from: www.slora.si/en and information on: https://www.onko-i.si/eng/crs/</p>	Cancer mortality data are collected by the National Institute of Public Health (NIPH)	<p>United states CENSUS bureau</p> <p>https://www.census.gov/en.html</p>	95.2	<0.5	100%	-

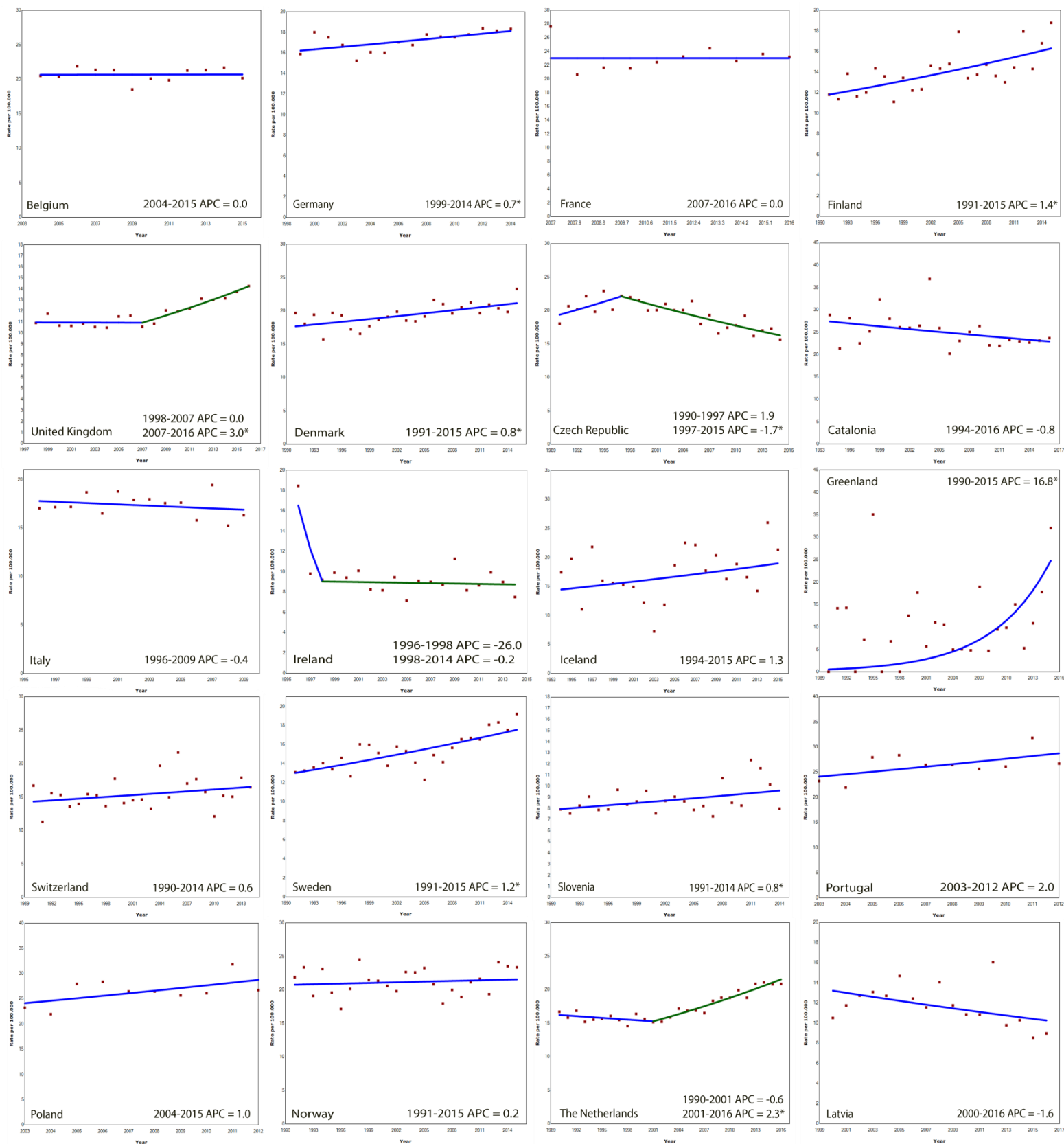
Portugal	Registo Oncológico Regional do Norte	Registo Oncológico Regional do Norte	Registo Oncológico Regional do Norte	98.5%	-	100%	100%
Czech Republic	Czech National Cancer Registry	Czech National Cancer Registry and Czech Statistical Office (since 1994)	Czech Statistical Office	95.7	0.4	95%	100%
United Kingdom	Office for national statistics https://www.ons.gov.uk/peoplepopulationandcommunity/healthandsocialcare/conditionsanddiseases/datasets/cancerregistrationstatisticscancerregistrationstatisticsengland	NA	United states CENSUS bureau https://www.census.gov/en.html	84.6	0.1	98.4%	-
Poland	Krajowy Rejestr Nowotworów, Centrum Onkologii - Instytut im. Marii Skłodowskiej - Curie http://onkologia.org.pl	Krajowy Rejestr Nowotworów, Centrum Onkologii - Instytut im. Marii Skłodowskiej - Curie http://onkologia.org.pl	Krajowy Rejestr Nowotworów, Centrum Onkologii - Instytut im. Marii Skłodowskiej - Curie http://onkologia.org.pl	>90.4	<2.9	100%	-

Supplementary table 1: Data source for the age-standardized incidence and mortality rates of colorectal cancer and population data. -: data was not available; * information retrieved from GLOBOCAN; ° information retrieved from country specific database mentioned in column 2 (Incidence); NA = not applicable.



Supplementary figure 1: Incidence annual percent change (APC) per country in age group 20 to 39 year.

*Statistical significant change in trend.



Supplementary figure 2: Incidence annual percent change (APC) per country in age group 40 to 49 year.

* Statistical significant change in trend.