

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%	-

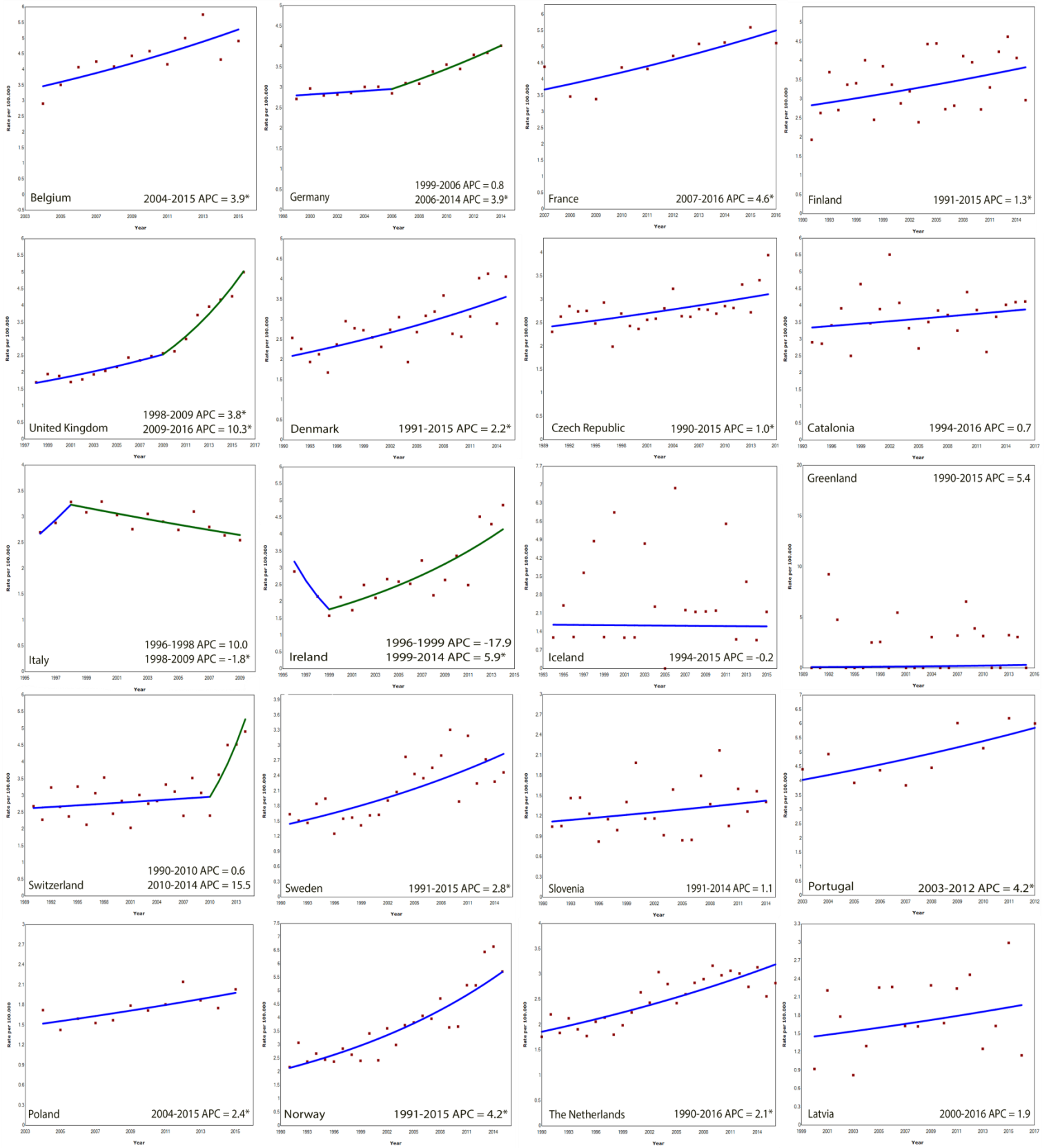
	http://www-dep.iarc.fr/NORDCAN/english/frame.asp	http://www-dep.iarc.fr/NORDCAN/english/frame.asp					
Sweden	Association of the Nordic Cancer Registries. Danish Cancer Society. http://www-dep.iarc.fr/NORDCAN/english/frame.asp	Association of the Nordic Cancer Registries. Danish Cancer Society. http://www-dep.iarc.fr/NORDCAN/english/frame.asp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

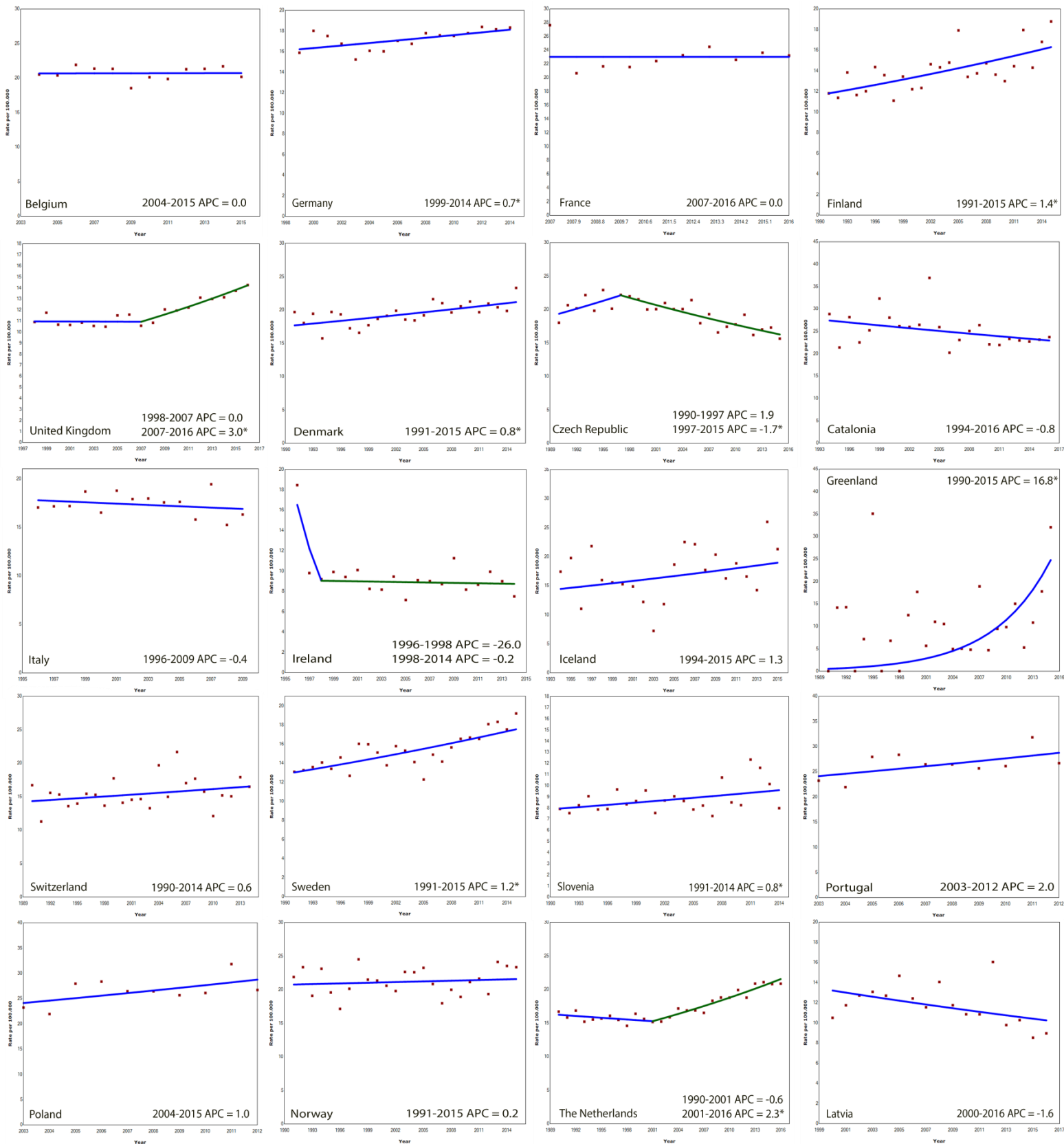
Portugal	Registo Oncológico Regional do Norte	Registo Oncológico Regional do Norte	Registo Oncológico Regional do Norte	98.5%	-	100%	100%
Czech Republic	Czech National Cancer Registry	Czech National Cancer Registry and Czech Statistical Office (since 1994)	Czech Statistical Office	95.7	0.4	95%	100%
United 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.