Supplementary Table 1 Incidence and mortality data of pancreatic cancer were extracted for these years as they were available since 1991

	Incidence	Mortality	_ Quality of data**	
Countries*	Years	Years		
Argentina	N/A	(1997-2018)	Low	
Australia	(1991-2016)	(1991-2018)	High	
Austria	N/A	(1992-2016)	Medium	
Belarus	(1991-2012)	N/A	Medium	
Belgium	N/A	(1992-2016)	Medium	
Brazil	(1993-2012)	(1996-2018)	Medium	
Bulgaria	(1993-2013)	(1991-2018)	Medium	
Canada	(1991-2012)	(1991-2017)	High	
Chile	(1998-2012)	(1997-2017)	Medium	
China***	(1991-2012)	(1991-2016)		
Colombia	(1991-2012)	(1997-2017)	Medium	
Costa Rica	(1991-2011)	(1997-2017)	Medium	
Croatia	(1991-2012)	(1991-2017)	Medium	
Cuba	N/A	(2000-2017)	High	
Czechia	(1991-2013)	(1991-2018)	Medium	
Denmark	(1991-2016)	(1991-2018)	Medium	
Dominican Republic	N/A	(1996-2013)		
Ecuador	(1991-2012)	(1997-2017)	Low	
El Salvador	N/A	(1997-2014)	Medium	

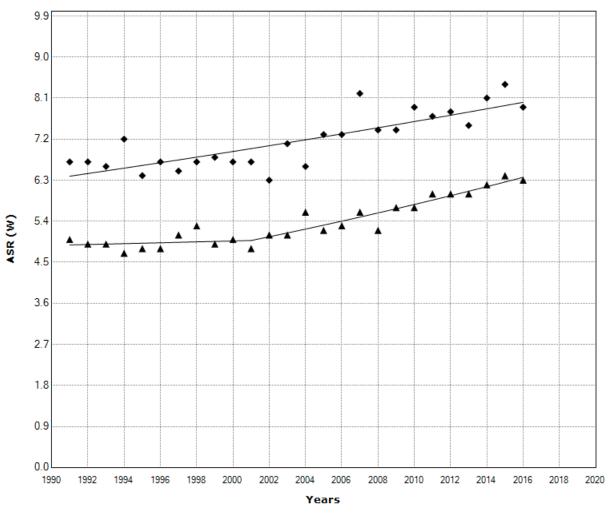
(1991-2012)	(1994-2018)	High
(1991-2016)	(1991-2018)	High
(1991-2012)	(1991-2016)	Medium
(1998-2012)	(1991-2018)	Medium
N/A	(1991-2017)	Low
N/A	(2000-2016)	Medium
N/A	(1991-2018)	High
(1991-2016)	(1991-2018)	High
(1991-2012)	N/A	
(1994-2012)	(1991-2015)	High
(1991-2012)	(1991-2018)	Medium
(1991-2012)	(1991-2017)	Medium
(1991-2010)	(1991-2018)	High
(1998-2012)	(1993-2014)	Medium
N/A	(2000-2016)	Medium
(1991-2012)	(1996-2017)	High
(1991-2012)	(1993-2018)	High
N/A	(1991-2016)	Medium
(1992-2013)	(1991-2017)	High
N/A	(1991-2017)	Medium
N/A	(1998-2017)	High
(1991-2013)	(1991-2018)	Medium
(1991-2012)	(1991-2016)	High
	(1991-2016) (1991-2012) (1998-2012) N/A N/A N/A (1991-2016) (1991-2012) (1994-2012) (1991-2012) (1991-2010) (1998-2012) N/A (1991-2012) (1991-2012) N/A (1991-2013) N/A (1992-2013)	(1991-2016) (1991-2018) (1991-2012) (1991-2016) (1998-2012) (1991-2018) N/A (1991-2017) N/A (2000-2016) N/A (1991-2018) (1991-2016) (1991-2018) (1991-2012) (1991-2015) (1991-2012) (1991-2018) (1991-2012) (1991-2017) (1991-2010) (1991-2018) (1998-2012) (1993-2014) N/A (2000-2016) (1991-2012) (1996-2017) (1991-2012) (1993-2018) N/A (1991-2016) (1992-2013) (1991-2017) N/A (1991-2017) N/A (1991-2017) N/A (1991-2017) N/A (1998-2017) (1991-2013) (1991-2018)

Nicaragua	N/A	(1997-2017)	Low
North Macedonia	N/A	(1991-2013)	Medium
Norway	(1991-2016)	(1991-2016)	Medium
Panama	N/A	(1998-2017)	Medium
Paraguay	N/A	(1996-2016)	Low
Peru	N/A	(1999-2015)	Low
Poland	(1998-2012)	(1991-2018)	Low
Portugal	N/A	(1991-2018)	Low
Republic of Korea	N/A	(1991-2018)	Medium
Republic of Moldov	a N/A	(1991-2017)	High
Romania	N/A	(1991-2018)	High
Russian Federation	N/A	(1999-2014)	Medium
Serbia	N/A	(1998-2016)	Medium
Singapore	N/A	(1991-2017)	High
Slovakia	(1991-2010)	(1992-2014)	High
Slovenia	(1991-2012)	(1991-2018)	High
South Africa	N/A	(1993-2015)	Low
Spain	(1993-2010)	(1991-2017)	Medium
Sweden	(1991-2016)	(1991-2018)	Medium
Switzerland	(1998-2012)	(1991-2017)	Medium
Thailand	(1993-2012)	(2002-2016)	Low
Turkey	(1998-2012)	N/A	
Turkmenistan	N/A	(2000-2015)	Medium

Uganda	(1991-2015)	N/A		
Ukraine	(1993-2005)	N/A	Medium	
United Kingdom	(1991-2017)	(1991-2016)	High	
USA	(1991-2016)	(1991-2017)	High	
Uruguay	N/A	(1997-2017)	Medium	
Venezuela	N/A	(1996-2013)	High	

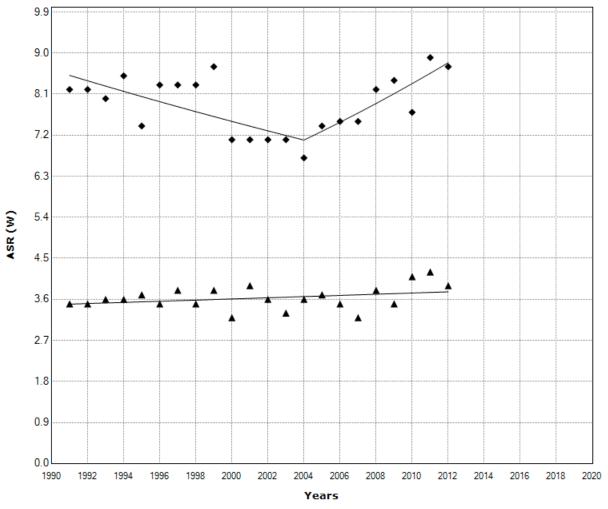
countries with/without data for pancreatic List cancer incidence/mortality available in the observed period (from 1991 or later) continuously, or provided that there has been data for at least 15 years in a row continuously only. Source: GLOBOCAN 2020 estimates^[2]. Quality of data was classified using criteria described by WHO^[14]. High quality (ICD-9 or ICD-10 coding is used and completeness is > 90% and ill-defined codes appear on < 10% of registrations); Medium quality (Completeness is 70-90% OR ill-defined codes appear on 10-20% of registrations OR non-ICD codes used although completeness is > 90% and ill-defined codes appear on < 10% of registrations); Low quality (Completeness < 70% OR ill-defined codes appear on > 20% of registrations)[14]. *** These countries have sample vital registration systems (although coverage is low, the sample provides populationinformation)^[14]. N/A, representative available. not

Australia: Males: O Joinpoints versus Females: 1 Joinpoint



Males
1991-2016 APC = 0.9¹
▲ Females
1991-2001 APC = 0.2
2001-2016 APC = 1.7¹

Belarus: Males: 1 Joinpoint versus Females: 0 Joinpoints



¹Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: Males - 1 Joinpoint, Females - 0 Joinpoints. Rejected Coincidence.

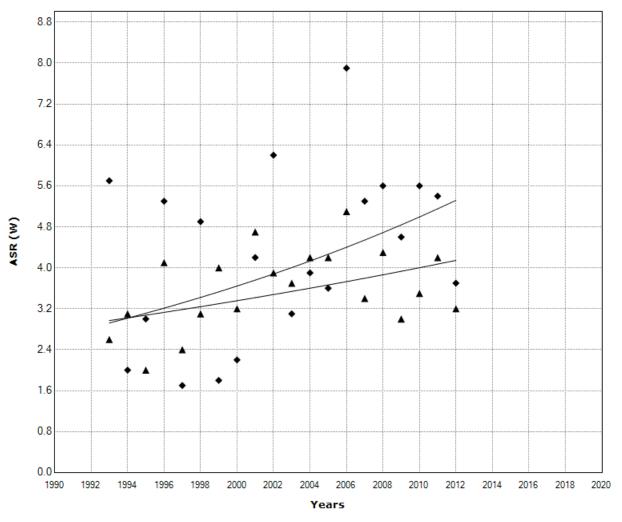
Males

▲ Females

= 1991-2004 APC = -1.4¹ = 2004-2012 APC = 2.7¹

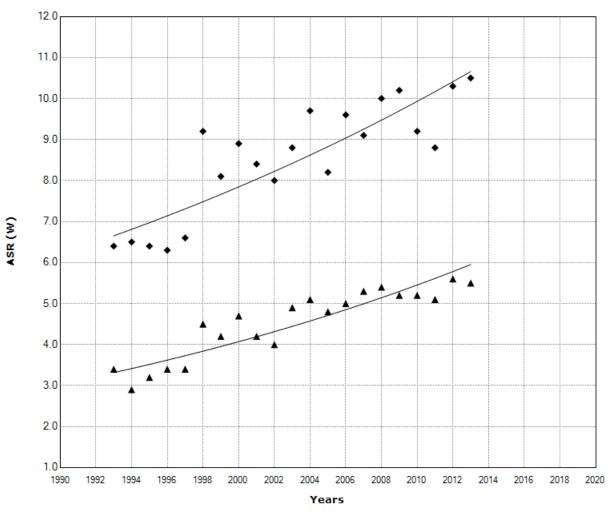
1991-2012 APC = 0.4

Brazil: Males: O Joinpoints versus Females: O Joinpoints



Males
 1993-2012 APC = 3.2
 Females
 1993-2012 APC = 1.8

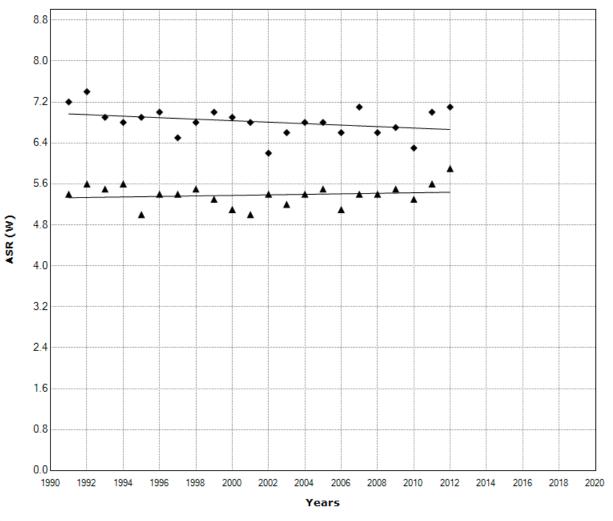
Bulgaria: Males: O Joinpoints versus Females: O Joinpoints



Males
1993-2013 APC = 2.4

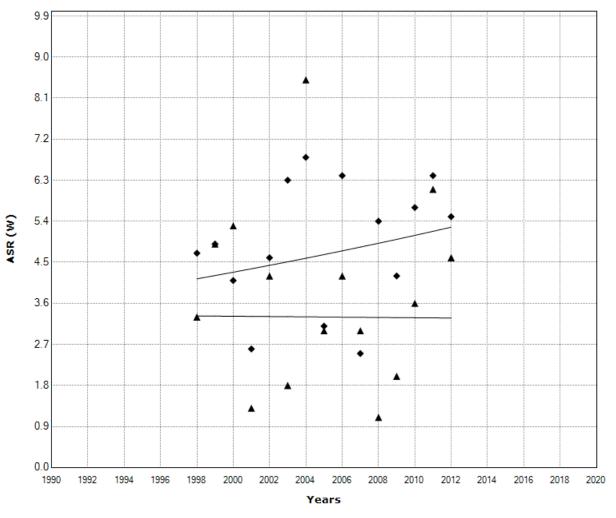
★ Females
1993-2013 APC = 3.0

Canada: Males: O Joinpoints versus Females: O Joinpoints



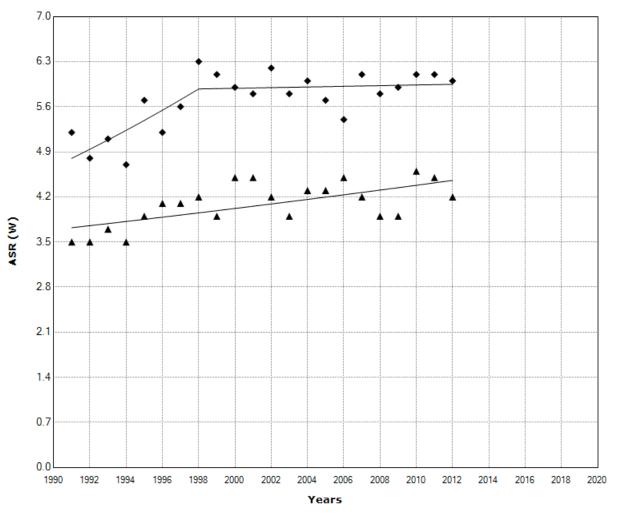
Males
1991-2012 APC = -0.2
Females
1991-2012 APC = 0.1

Chile: Males: O Joinpoints versus Females: O Joinpoints



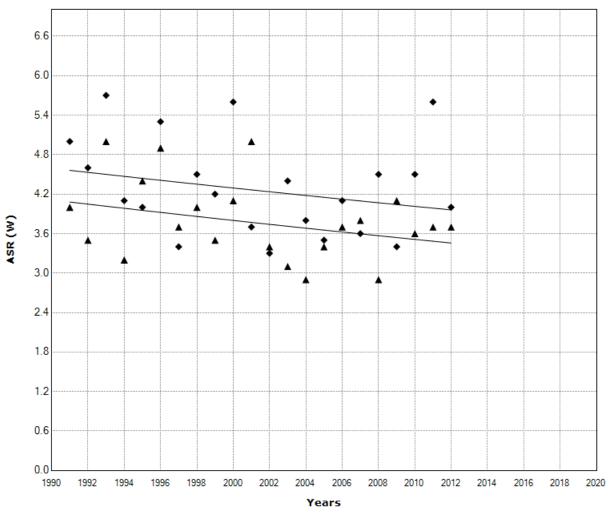
Males
 1998-2012 APC = 1.7
 ▲ Females
 1998-2012 APC = -0.1

China: Males: 1 Joinpoint versus Females: 0 Joinpoints



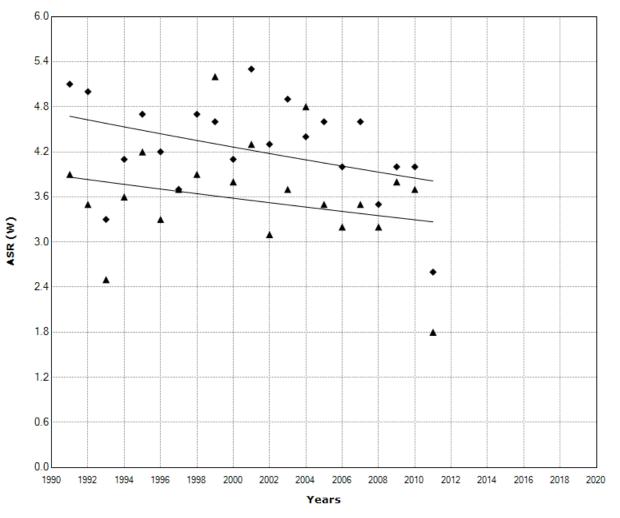
Males
 1991-1998 APC = 2.9¹
 1998-2012 APC = 0.1
 Females
 1991-2012 APC = 0.9¹

Colombia: Males: O Joinpoints versus Females: O Joinpoints



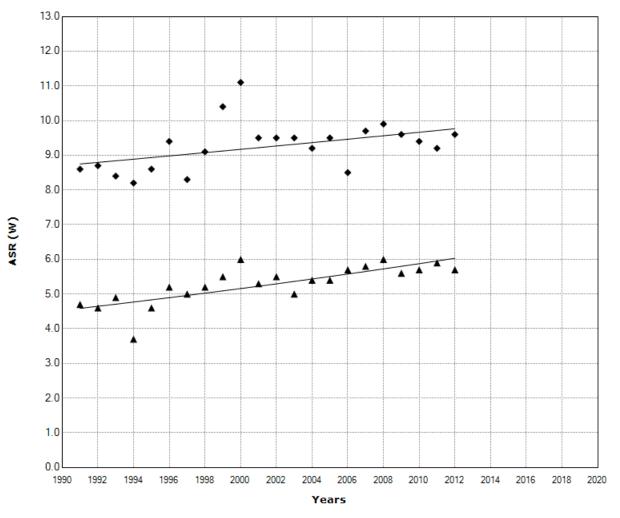
Males
 1991-2012 APC = -0.7
 ▲ Females
 1991-2012 APC = -0.8

Costa Rica: Males: O Joinpoints versus Females: O Joinpoints



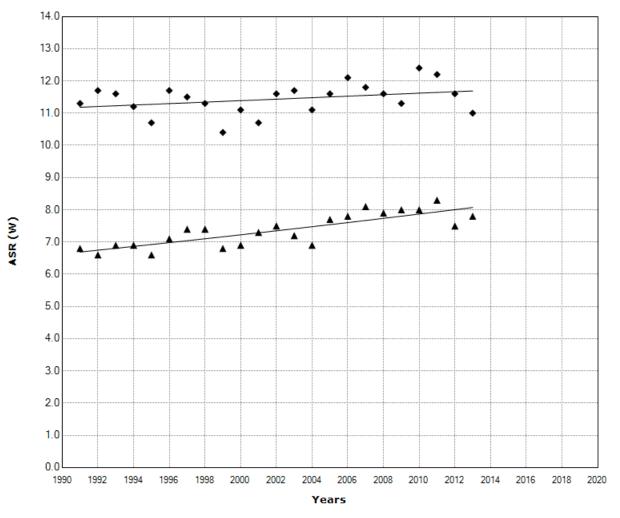
Males
1991-2011 APC = -1.0
Females
1991-2011 APC = -0.8

Croatia: Males: O Joinpoints versus Females: O Joinpoints



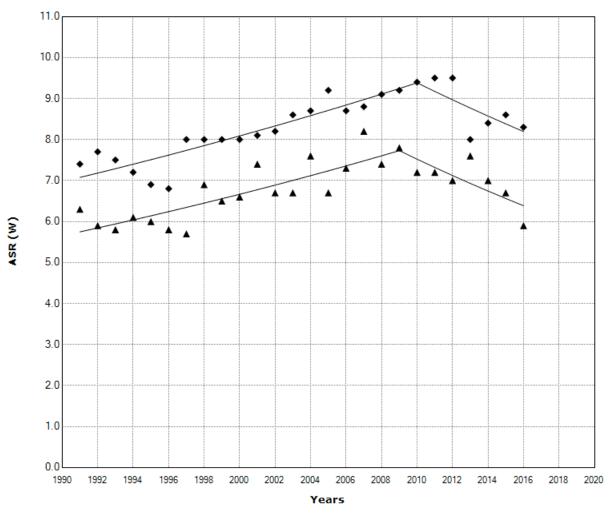
Males
 1991-2012 APC = 0.5¹
 Females
 1991-2012 APC = 1.3¹

Czechia: Males: O Joinpoints versus Females: O Joinpoints



Males
1991-2013 APC = 0.2
Females
1991-2013 APC = 0.9¹

Denmark: Males: 1 Joinpoint versus Females: 1 Joinpoint



¹Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: Males - 1 Joinpoint, Females - 1 Joinpoint, Rejected Coincidence.

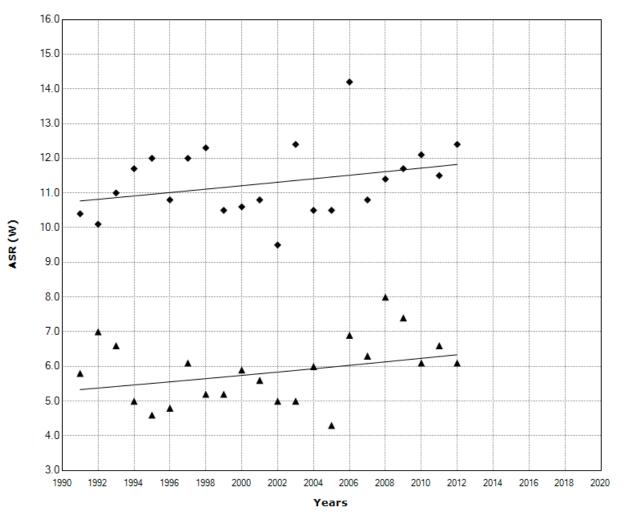
Males

▲ Females

= 1991-2010 APC = 1.5¹ = 2010-2016 APC = -2.2

1991-2009 APC = 1.7¹ 2009-2016 APC = -2.7¹

Estonia: Males: O Joinpoints versus Females: O Joinpoints



¹Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: Males - 0 Joinpoints, Females - 0 Joinpoints. Rejected Coincidence.

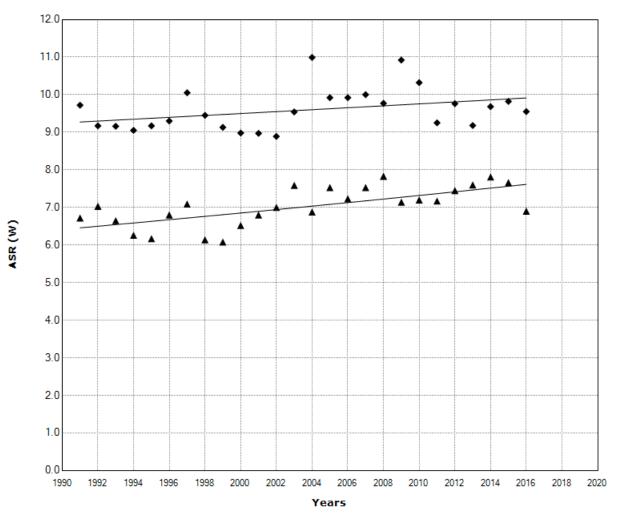
Males

▲ Females

- 1991-2012 APC = 0.4

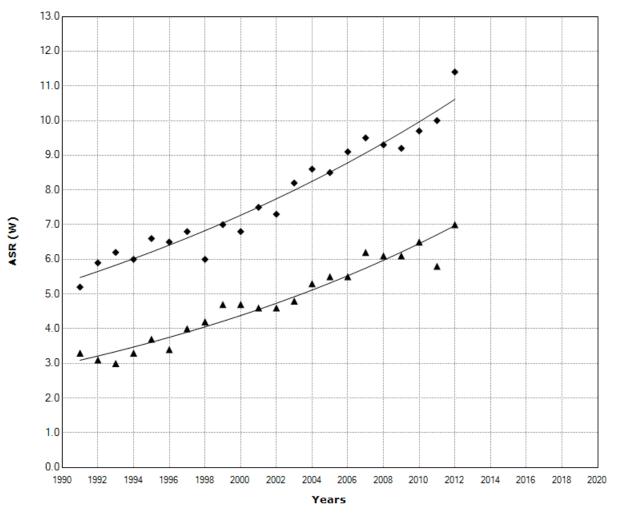
1991-2012 APC = 0.8

Finland: Males: O Joinpoints versus Females: O Joinpoints



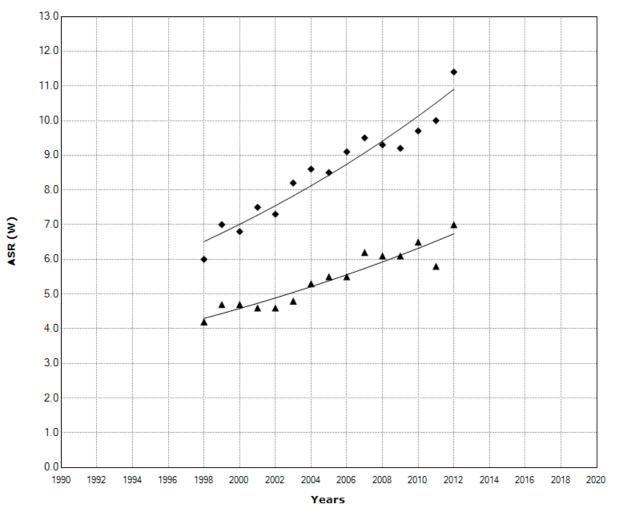
Males
1991-2016 APC = 0.3
Females
1991-2016 APC = 0.7¹

France: Males: 0 Joinpoints versus Females: 0 Joinpoints



Males
 1991-2012 APC = 3.2¹
 Females
 1991-2012 APC = 3.9¹

Germany: Males: O Joinpoints versus Females: O Joinpoints



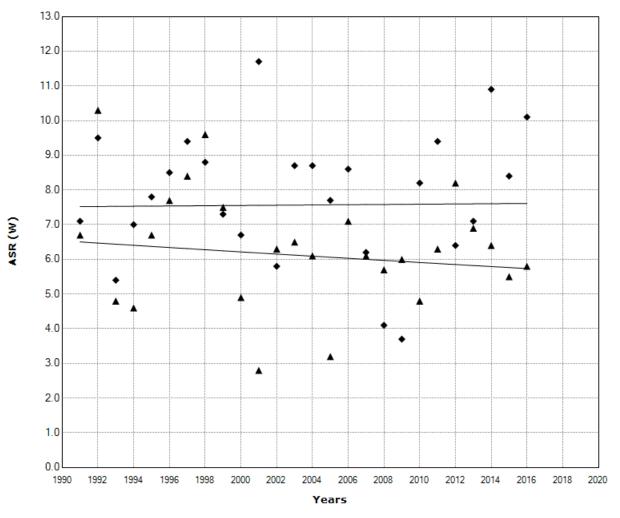
 ◆ Males

 1998-2012 APC = 3.7¹

 ▲ Females

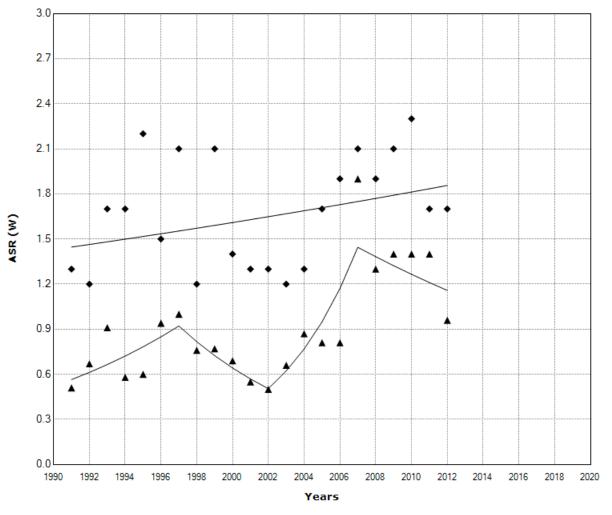
 1998-2012 APC = 3.3¹

Iceland: Males: O Joinpoints versus Females: O Joinpoints



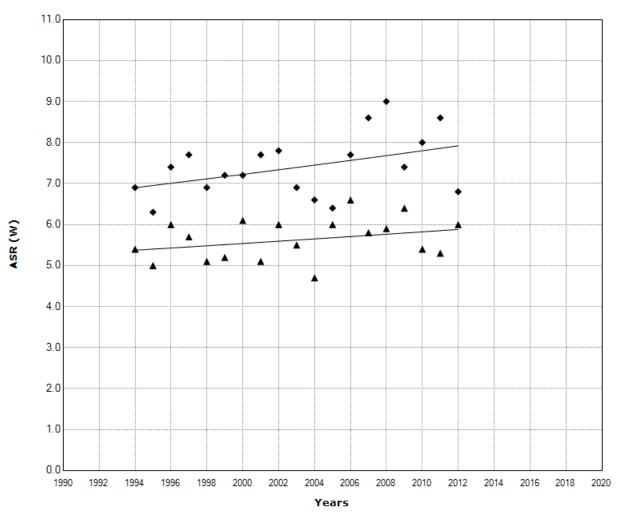
Males
1991-2016 APC = 0.0
Females
1991-2016 APC = -0.5

India: Males: 0 Joinpoints versus Females: 3 Joinpoints



Males
 1991-2012 APC = 1.2
 Females
 1991-1997 APC = 8.5
 1997-2002 APC = -11.3
 2002-2007 APC = 23.4¹
 2007-2012 APC = -4.3

Ireland: Males: O Joinpoints versus Females: O Joinpoints



¹Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: Males - 0 Joinpoints, Females - 0 Joinpoints. Rejected Coincidence.

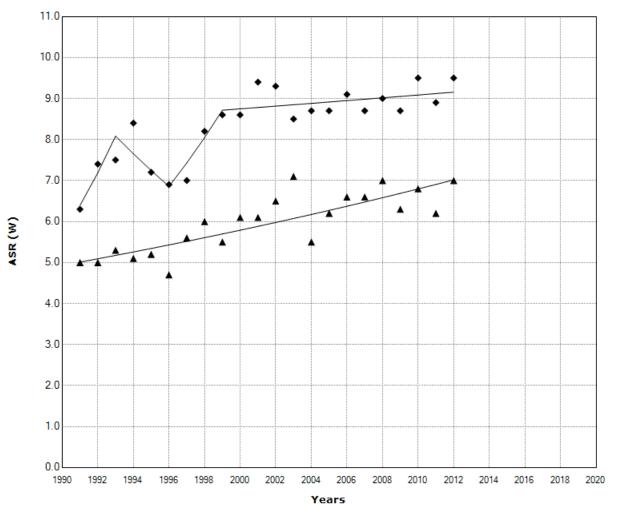
Males

▲ Females

- 1994-2012 APC = 0.8

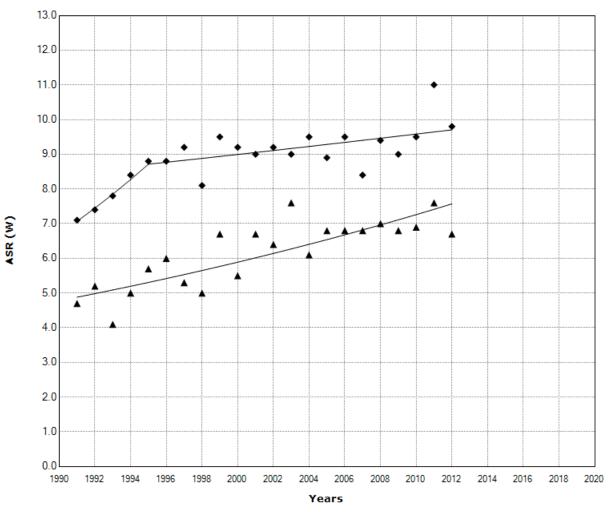
1994-2012 APC = 0.5

Israel: Males: 3 Joinpoints versus Females: 0 Joinpoints



Males
1991-1993 APC = 12.4
1993-1996 APC = -5.3
1996-1999 APC = 8.3
1999-2012 APC = 0.4
▲ Females
1991-2012 APC = 1.6¹

Italy: Males: 1 Joinpoint versus Females: 0 Joinpoints



Years

Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level.
Final Selected Model: Males - 1 Joinpoint, Females - 0 Joinpoints. Rejected Coincidence.

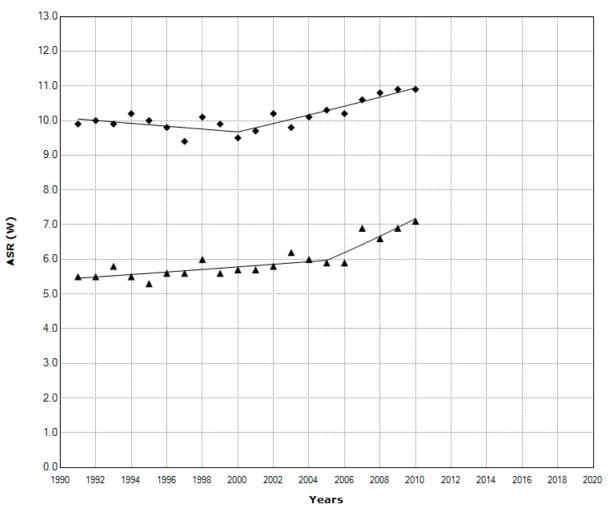
Males

▲ Females

1991-1995 APC = 5.4¹
1995-2012 APC = 0.6¹

- 1991-2012 APC = 2.1¹

Japan: Males: 1 Joinpoint versus Females: 1 Joinpoint



'Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: Males - 1 Joinpoint, Females - 1 Joinpoint, Rejected Coincidence.

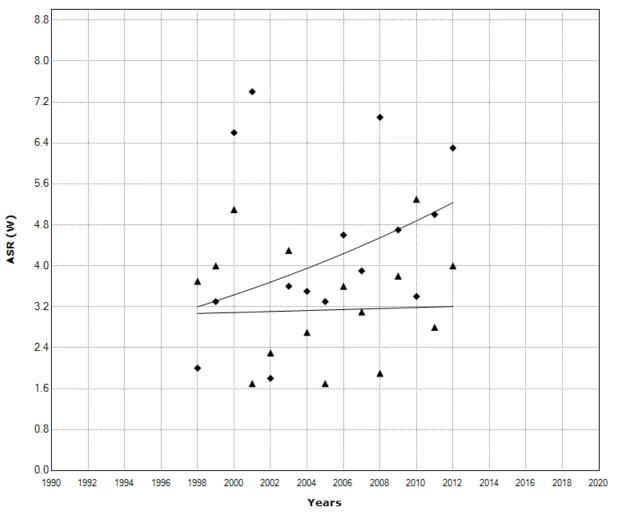
Males

▲ Females

1991-2000 APC = -0.4 2000-2010 APC = 1.2¹

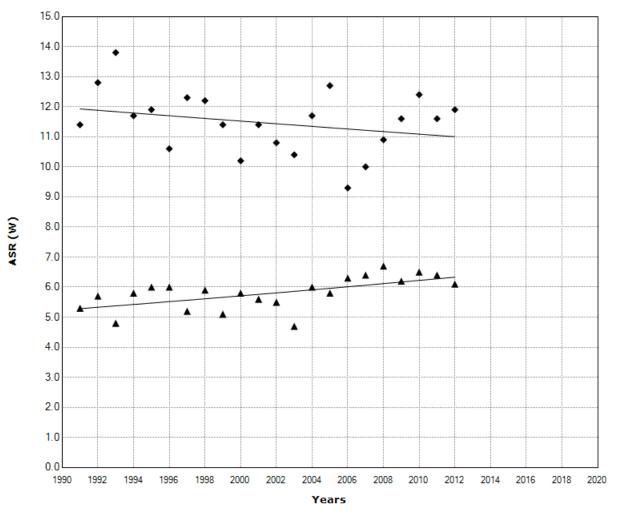
1991-2005 APC = 0.61 2005-2010 APC = 3.71

Kuwait: Males: O Joinpoints versus Females: O Joinpoints



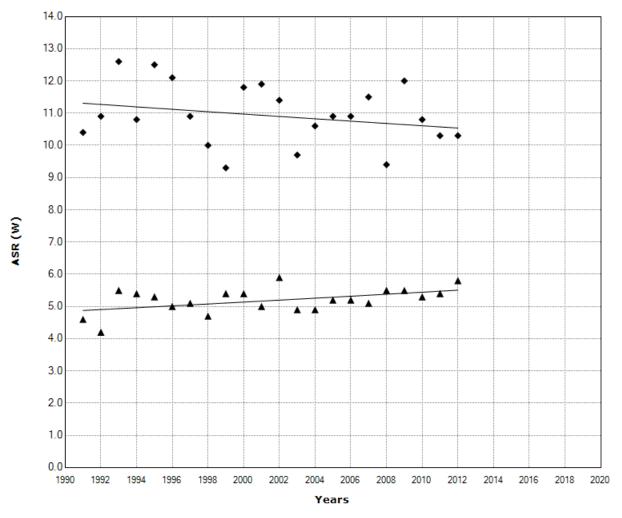
Males
1998-2012 APC = 3.6
Females
1998-2012 APC = 0.3

Latvia: Males: O Joinpoints versus Females: O Joinpoints



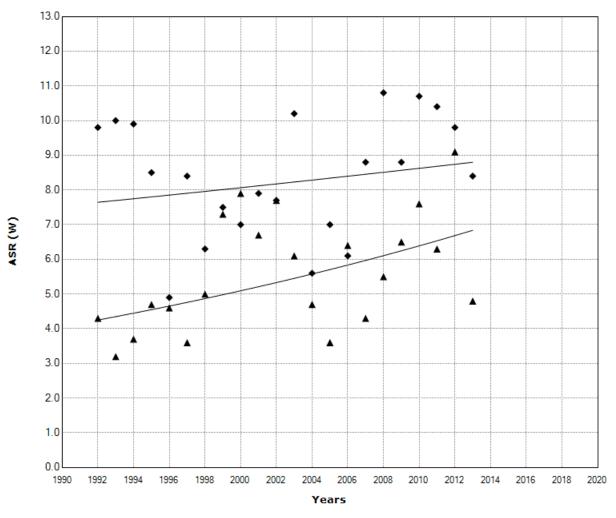
Males
1991-2012 APC = -0.4
Females
1991-2012 APC = 0.9¹

Lithuania: Males: O Joinpoints versus Females: O Joinpoints



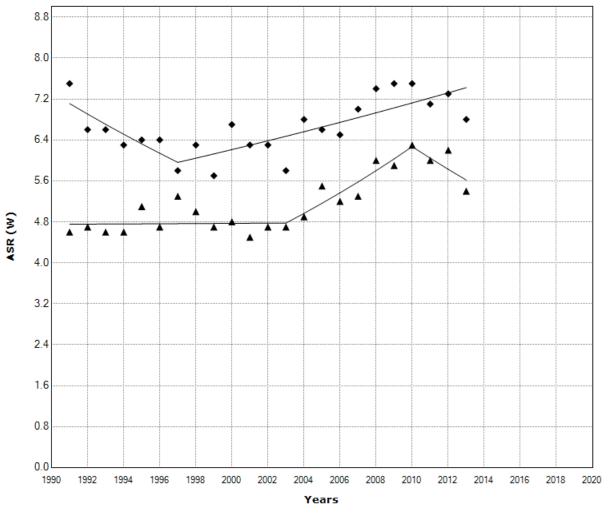
Males
1991-2012 APC = -0.3
▲ Females
1991-2012 APC = 0.6¹

Malta: Males: O Joinpoints versus Females: O Joinpoints



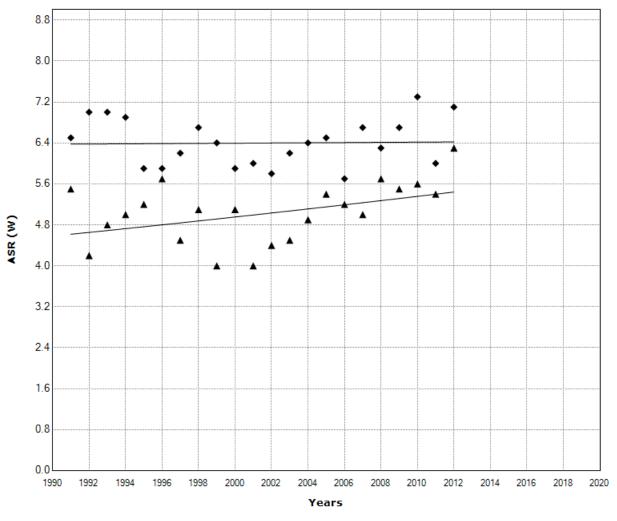
Males
1992-2013 APC = 0.7
Females
1992-2013 APC = 2.3¹

Netherlands: Males: 1 Joinpoint versus Females: 2 Joinpoints



Males
— 1991-1997 APC = -2.9¹
— 1997-2013 APC = 1.4¹
▲ Females
— 1991-2003 APC = 0.0
— 2003-2010 APC = 4.0¹
— 2010-2013 APC = -3.6

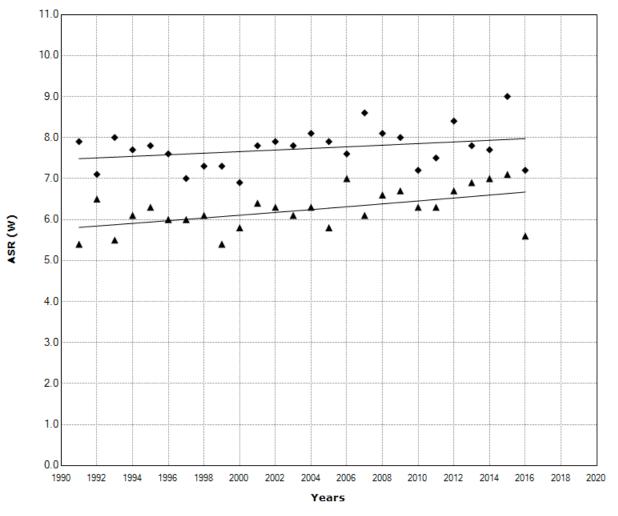
New Zealand: Males: 0 Joinpoints versus Females: 0 Joinpoints



Males
1991-2012 APC = 0.0

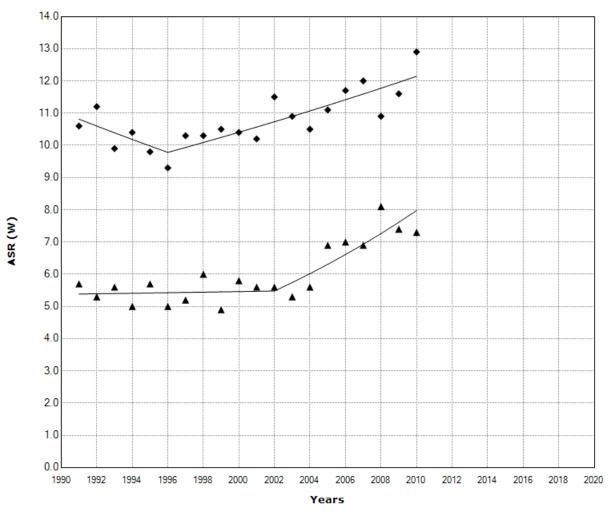
▲ Females
1991-2012 APC = 0.8

Norway: Males: O Joinpoints versus Females: O Joinpoints



Males
1991-2016 APC = 0.3
Females
1991-2016 APC = 0.6¹

Slovakia: Males: 1 Joinpoint versus Females: 1 Joinpoint



¹Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: Males - 1 Joinpoint, Females - 1 Joinpoint, Rejected Coincidence.

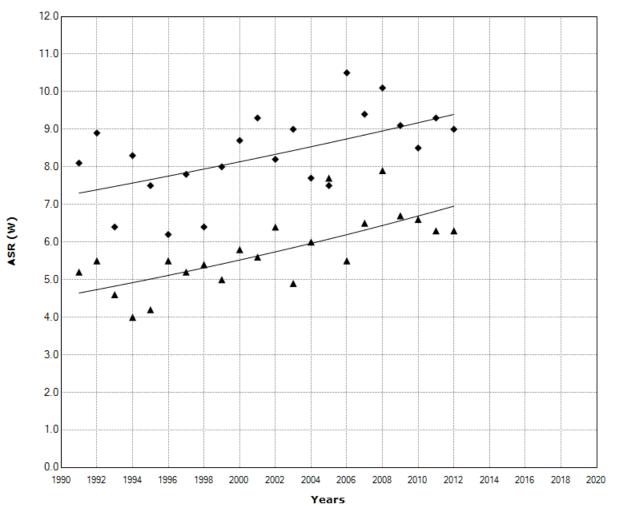
Males

▲ Females

= 1991-1996 APC = -2.0 = 1996-2010 APC = 1.6¹

1991-2002 APC = 0.2 2002-2010 APC = 4.8¹

Slovenia: Males: O Joinpoints versus Females: O Joinpoints



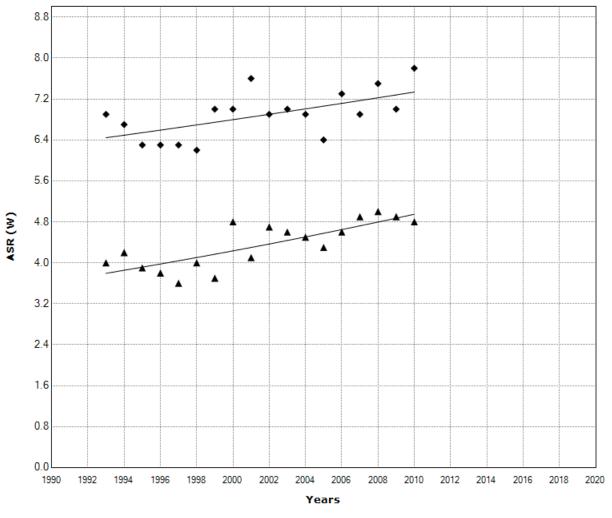
 ◆ Males

 1991-2012 APC = 1.2¹

 ▲ Females

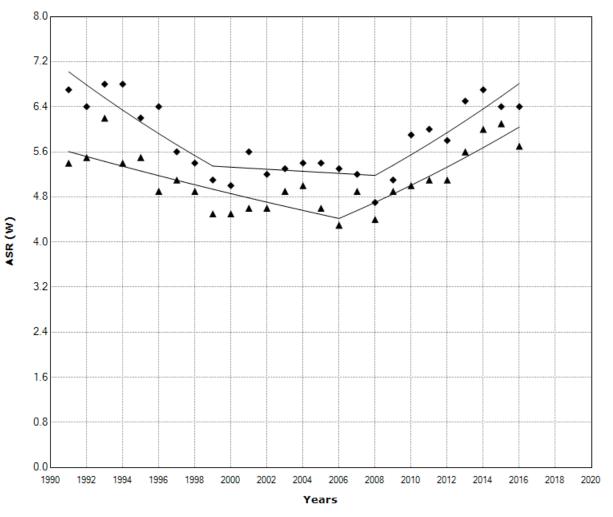
 1991-2012 APC = 1.9¹

Spain: Males: 0 Joinpoints versus Females: 0 Joinpoints



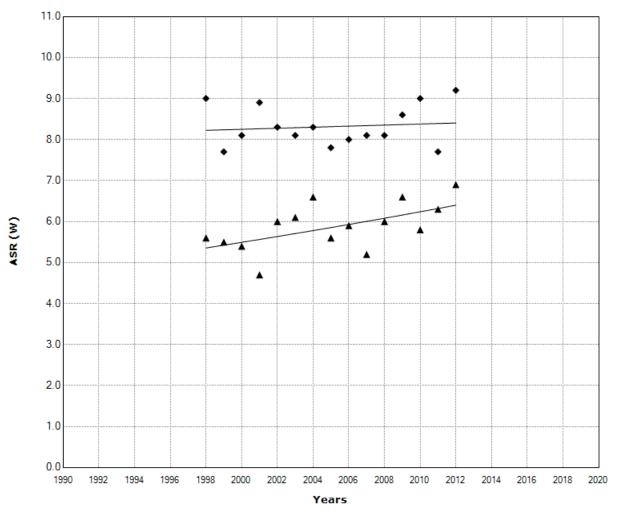
Males
1993-2010 APC = 0.8¹
Females
1993-2010 APC = 1.6¹

Sweden: Males: 2 Joinpoints versus Females: 1 Joinpoint



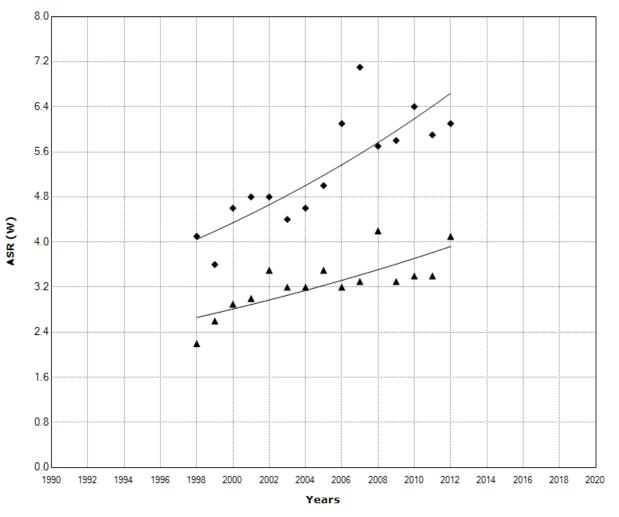
Males
— 1991-1999 APC = -3.3¹
— 1999-2008 APC = -0.3
— 2008-2016 APC = 3.5¹
A Females
— 1991-2006 APC = -1.6¹
— 2006-2016 APC = 3.2¹

Switzerland: Males: O Joinpoints versus Females: O Joinpoints



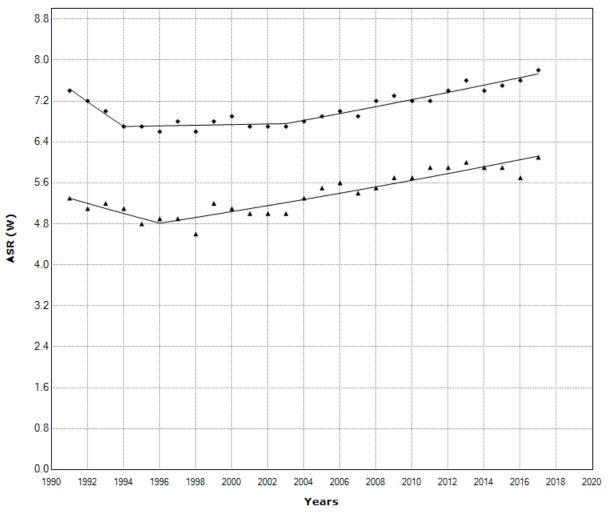
Males
 1998-2012 APC = 0.2
 Females
 1998-2012 APC = 1.3¹

Turkey: Males: O Joinpoints versus Females: O Joinpoints



Males
1998-2012 APC = 3.6¹
Females
1998-2012 APC = 2.8¹

United Kingdom: Males: 2 Joinpoints versus Females: 1 Joinpoint



¹Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: Males - 2 Joinpoints, Females - 1 Joinpoint. Rejected Coincidence.

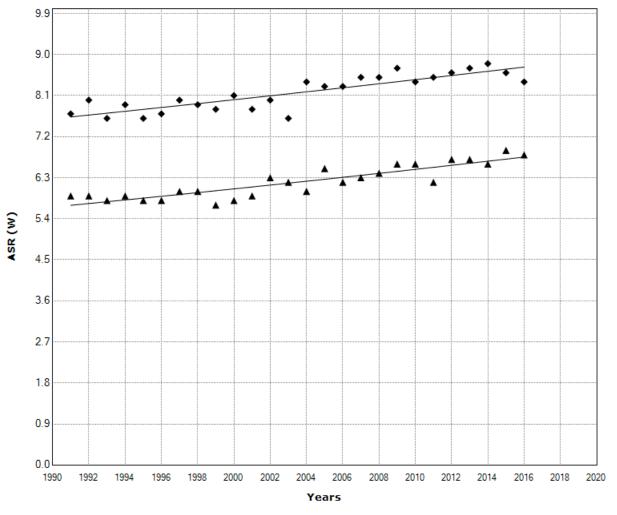
Males

Females

1991-1994 APC = -3.4¹ 1994-2003 APC = 0.1 2003-2017 APC = 1.0¹

= 1991-1996 APC = -1.9 = 1996-2017 APC = 1.2¹

United States of America: Males: O Joinpoints versus Females: O Joinpoints

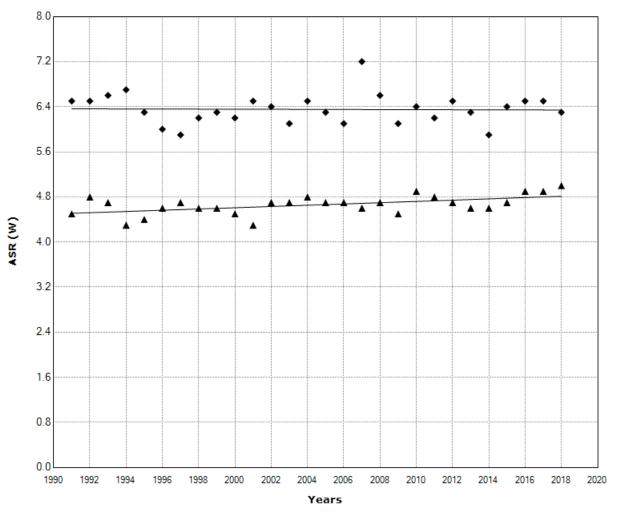


Males
1991-2016 APC = 0.5¹
Females
1991-2016 APC = 0.7¹

Supplementary Figure 1 Joinpoint analysis for pancreatic cancer incidence trends, by countries and sex, since 1991 (as per data availability). ASR (W): Age Standardized Rate (using World standard population, per 100000).

Statistically significant trend (p<0.05). Joinpoint results are not shown for incidence in some countries, because there was no data for pancreatic cancer in the whole observed period continuously. For the trend analysis, we presented all incidence data available from 1991 year onwards, provided that there has been data for at least 15 years in a row continuously.

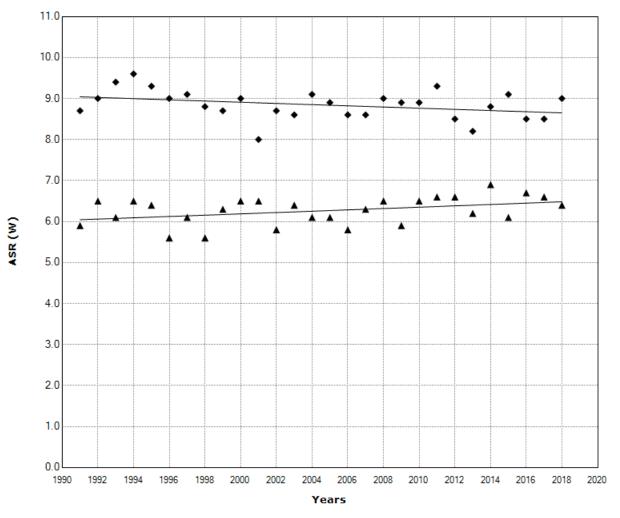
Australia: Males: 0 Joinpoints versus Females: 0 Joinpoints



Males
1991-2018 APC = -0.0

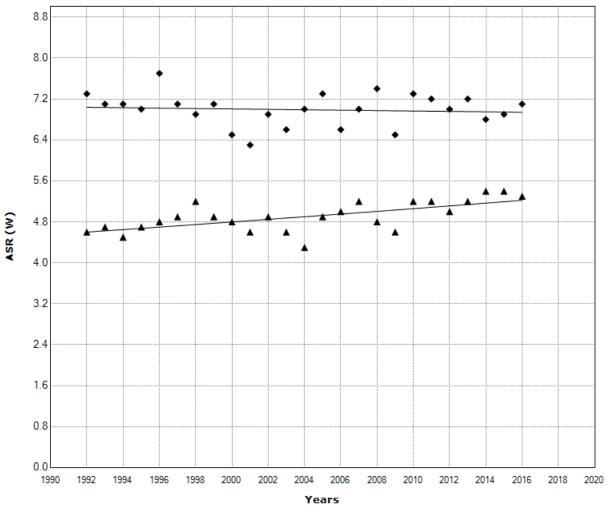
▲ Females
1991-2018 APC = 0.2¹

Austria: Males: O Joinpoints versus Females: O Joinpoints



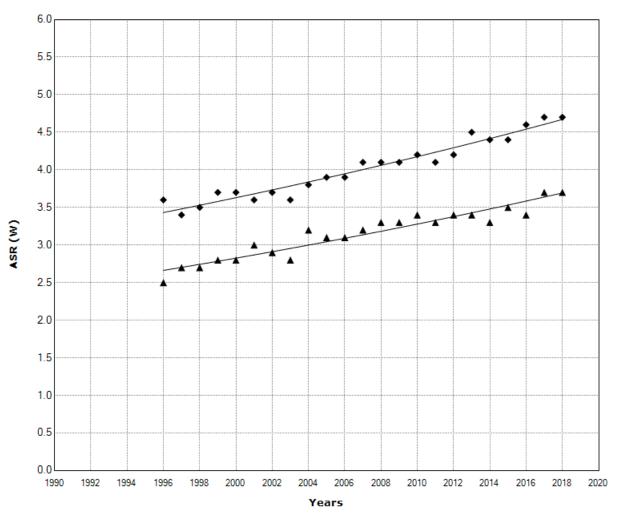
Males
1991-2018 APC = -0.2
Females
1991-2018 APC = 0.3¹

Belgium: Males: O Joinpoints versus Females: O Joinpoints



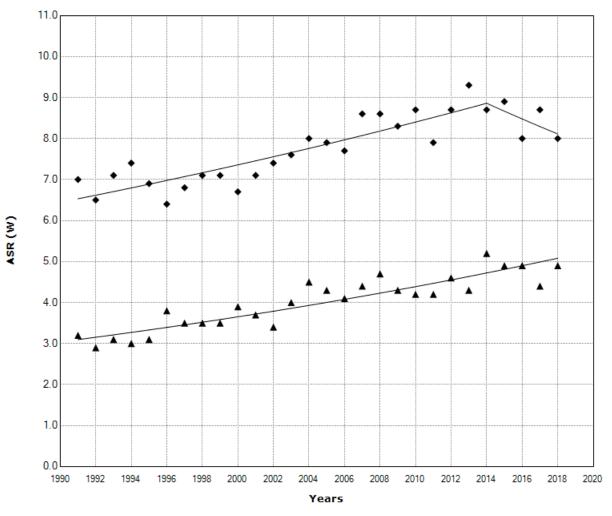
Males
1992-2016 APC = -0.1
Females
1992-2016 APC = 0.5¹

Brazil: Males: O Joinpoints versus Females: O Joinpoints



Males
 1996-2018 APC = 1.4¹
 Females
 1996-2018 APC = 1.5¹

Bulgaria: Males: 1 Joinpoint versus Females: 0 Joinpoints



¹ Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: Males - 1 Joinpoint, Females - 0 Joinpoints. Rejected Coincidence.

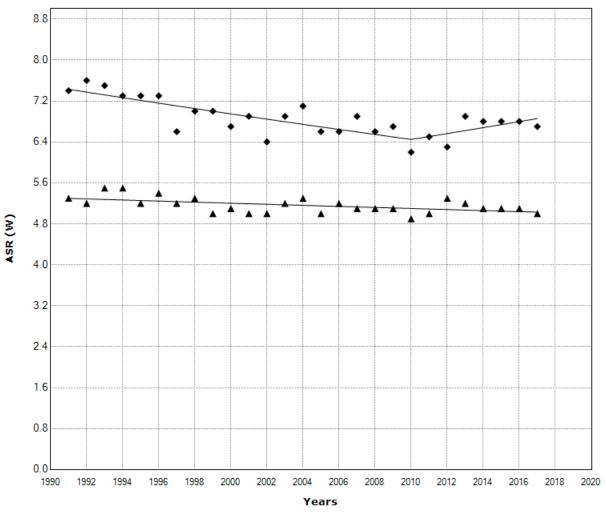
Males

▲ Females

1991-2014 APC = 1.3¹ 2014-2018 APC = -2.2

1991-2018 APC = 1.91

Canada: Males: 1 Joinpoint versus Females: 0 Joinpoints



'Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: Males - 1 Joinpoint, Females - 0 Joinpoints. Rejected Coincidence.

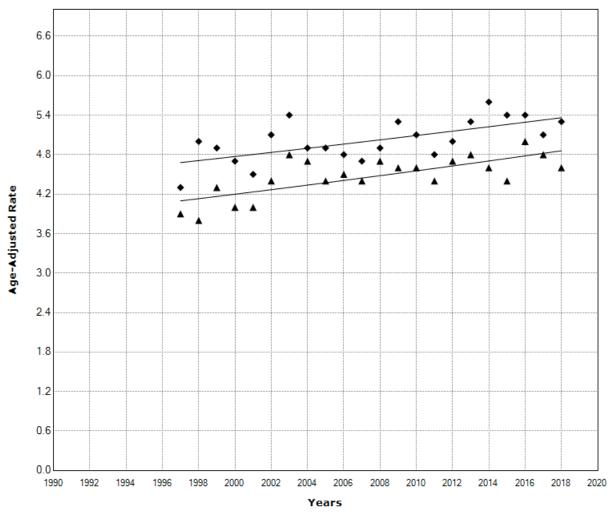
Males

▲ Females

1991-2010 APC = -0.7¹ 2010-2017 APC = 0.9

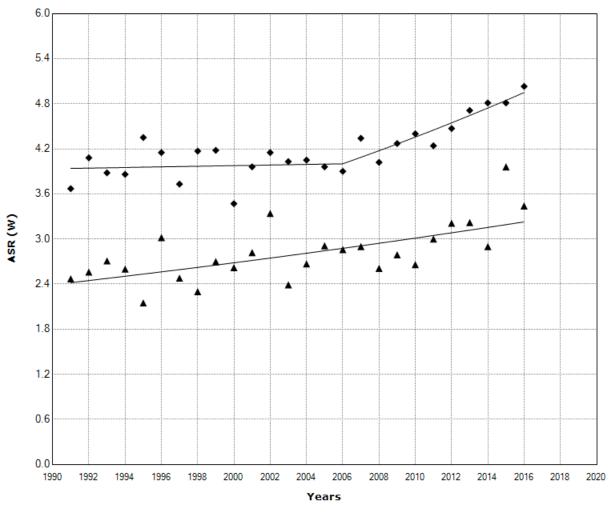
1991-2017 APC = -0.21

Chile: Males: O Joinpoints versus Females: O Joinpoints



Males
1997-2018 APC = 0.6¹
Females
1997-2018 APC = 0.8¹

China: Males: 1 Joinpoint versus Females: 0 Joinpoints



'Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: Males - 1 Joinpoint, Females - 0 Joinpoints. Rejected Coincidence.

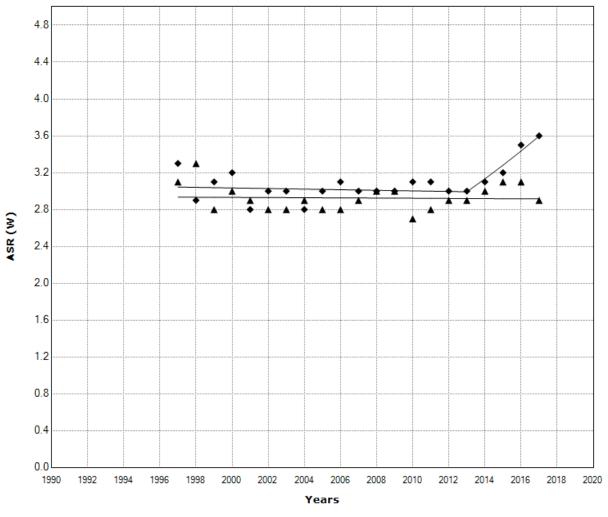
Males

▲ Females

= 1991-2006 APC = 0.1 = 2006-2016 APC = 2.1¹

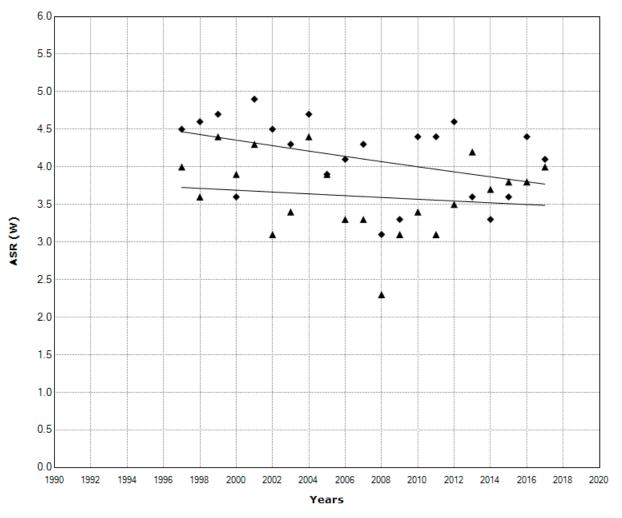
- 1991-2016 APC = 1.21

Colombia: Males: 1 Joinpoint versus Females: 0 Joinpoints



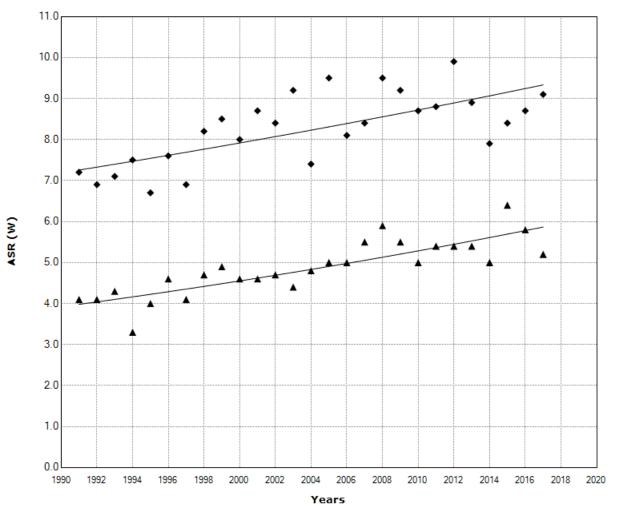
Males
— 1997-2013 APC = -0.1
— 2013-2017 APC = 4.7¹
▲ Females
— 1997-2017 APC = -0.0

Costa Rica: Males: O Joinpoints versus Females: O Joinpoints



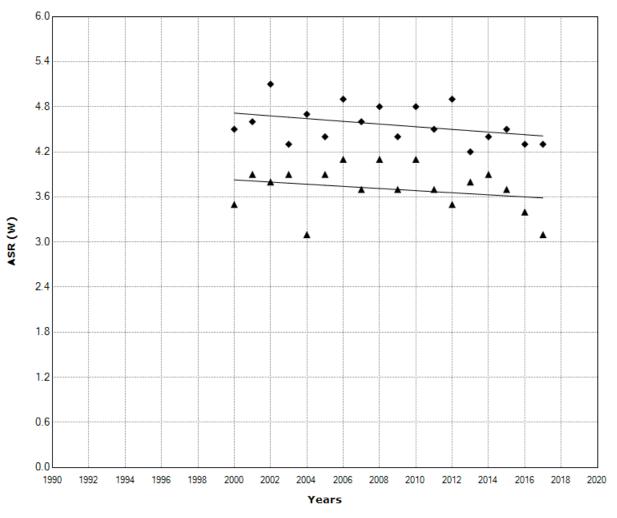
Males
1997-2017 APC = -0.8
Females
1997-2017 APC = -0.3

Croatia: Males: O Joinpoints versus Females: O Joinpoints



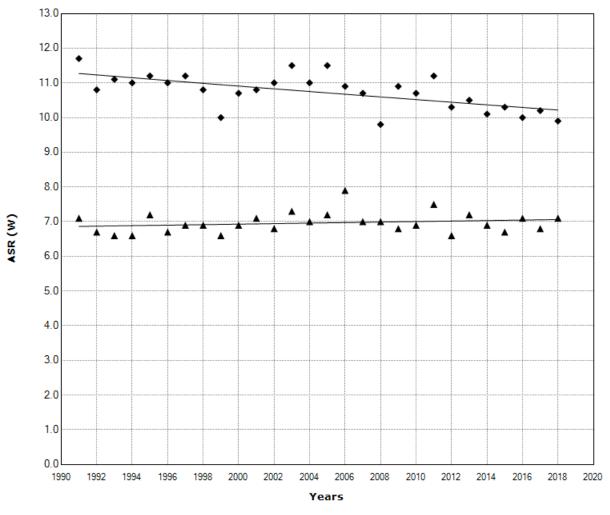
Males
 1991-2017 APC = 1.0¹
 Females
 1991-2017 APC = 1.5¹

Cuba: Males: O Joinpoints versus Females: O Joinpoints



Males
2000-2017 APC = -0.4
Females
2000-2017 APC = -0.4

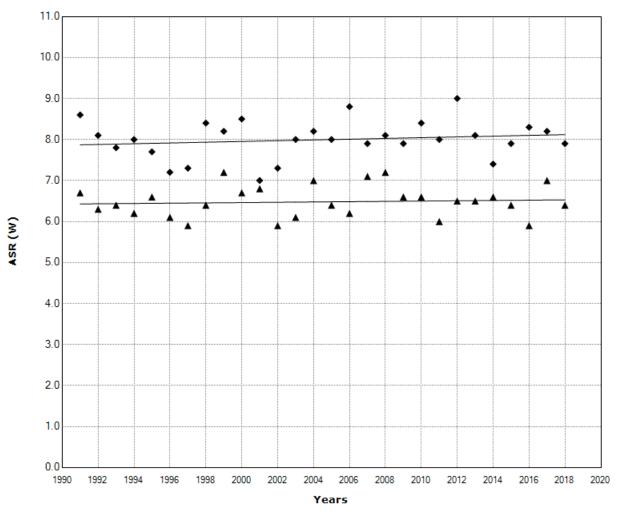
Czechia: Males: O Joinpoints versus Females: O Joinpoints



Males
1991-2018 APC = -0.4

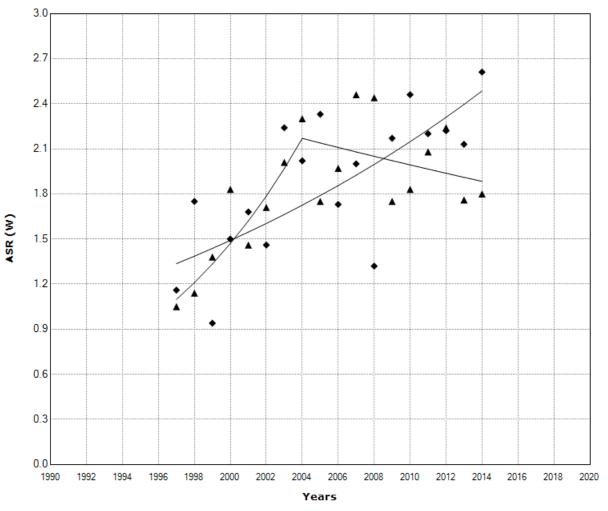
Females
1991-2018 APC = 0.1

Denmark: Males: O Joinpoints versus Females: O Joinpoints



Males
1991-2018 APC = 0.1
▲ Females
1991-2018 APC = 0.1

El Salvador: Males: O Joinpoints versus Females: 1 Joinpoint



'Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: Males - 1 Joinpoint, Females - 1 Joinpoint, Failed to reject Coincidence.

◆ Males

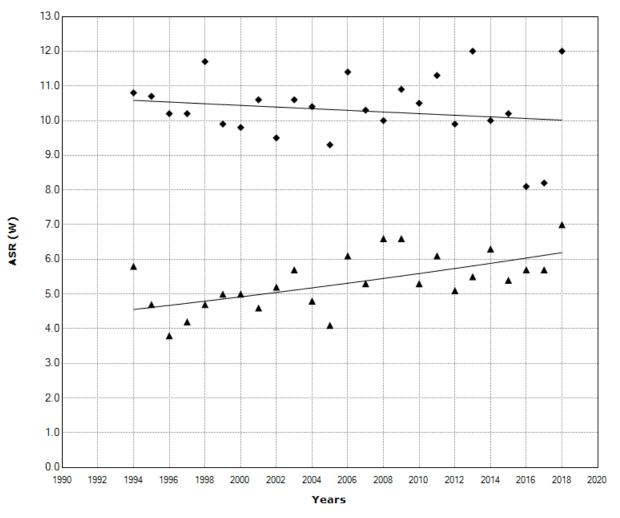
▲ Females

1997-2014 APC = 3.71

2004-2014 APC = -1.4

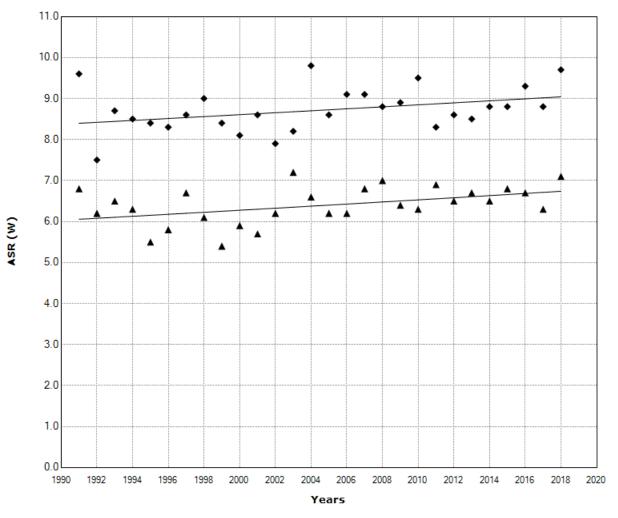
1997-2004 APC = 10.21

Estonia: Males: O Joinpoints versus Females: O Joinpoints



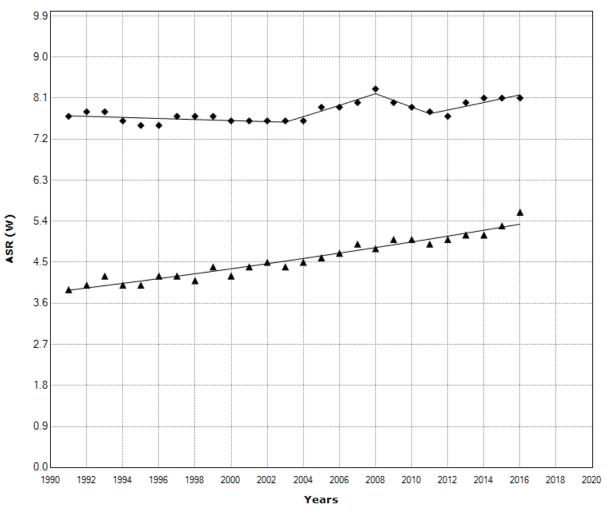
Males
 1994-2018 APC = -0.2
 Females
 1994-2018 APC = 1.3¹

Finland: Males: O Joinpoints versus Females: O Joinpoints



Males
1991-2018 APC = 0.3
Females
1991-2018 APC = 0.4¹

France: Males: 3 Joinpoints versus Females: 0 Joinpoints



'Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: Males - 3 Joinpoints, Females - 0 Joinpoints. Rejected Coincidence.

Males

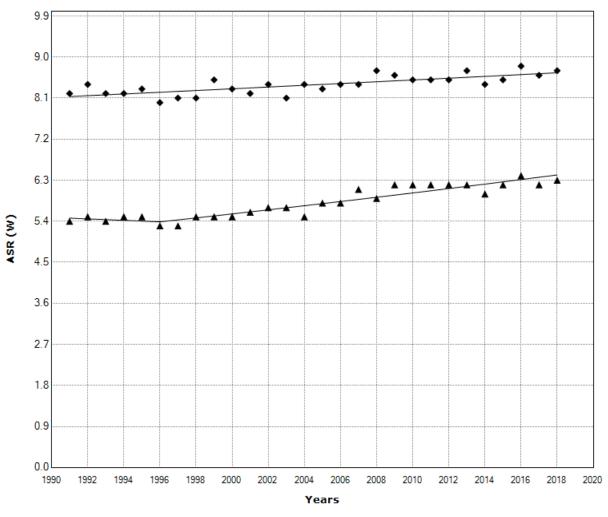
▲ Females

- 1991-2003 APC = -0.2 - 2003-2008 APC = 1.6¹ - 2008-2011 APC = -1.8

2011-2016 APC = 1.01

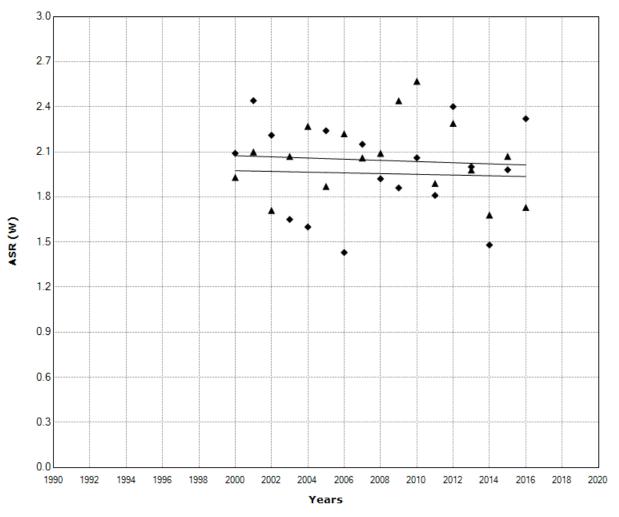
- 1991-2016 APC = 1.31

Germany: Males: O Joinpoints versus Females: 1 Joinpoint



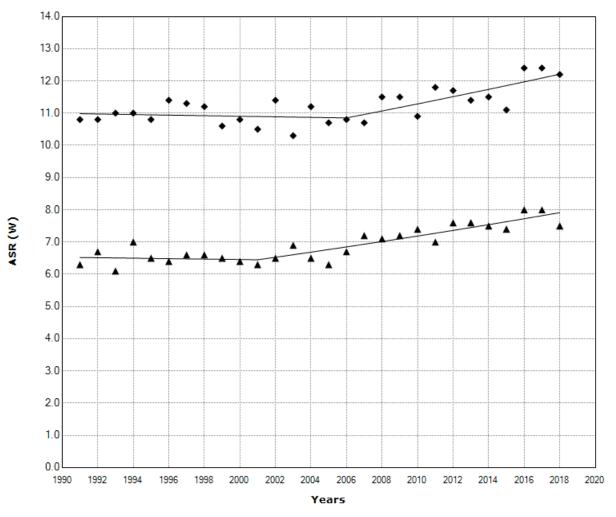
Males
1991-2018 APC = 0.2¹
Females
1991-1996 APC = -0.3
1996-2018 APC = 0.8¹

Guatemala: Males: O Joinpoints versus Females: O Joinpoints



Males
2000-2016 APC = -0.1
Females
2000-2016 APC = -0.2

Hungary: Males: 1 Joinpoint versus Females: 1 Joinpoint



¹ Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: Males - 1 Joinpoint, Females - 1 Joinpoint, Rejected Coincidence.

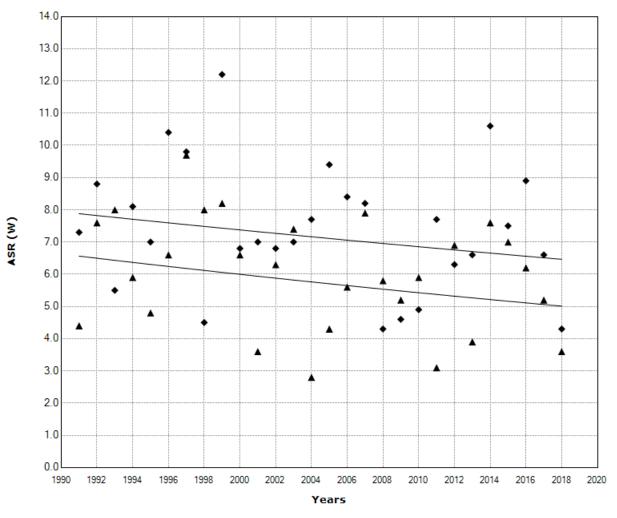
Males

▲ Females

1991-2006 APC = -0.1 2006-2018 APC = 1.0¹

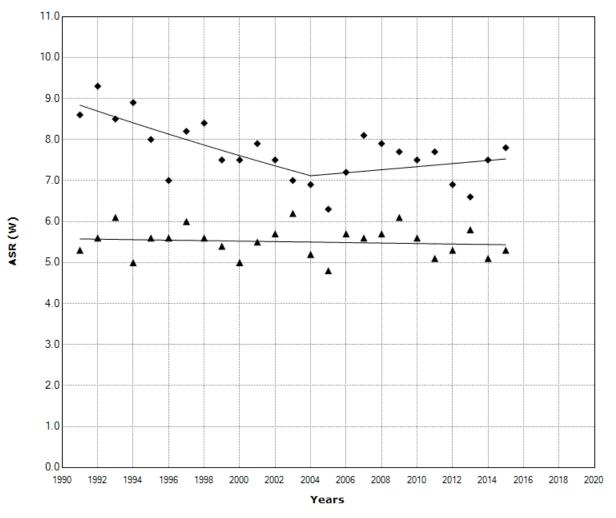
1991-2001 APC = -0.1 2001-2018 APC = 1.2¹

Iceland: Males: O Joinpoints versus Females: O Joinpoints



Males
1991-2018 APC = -0.7
Females
1991-2018 APC = -1.0

Ireland: Males: 1 Joinpoint versus Females: 0 Joinpoints



'Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: Males - 1 Joinpoint, Females - 0 Joinpoints. Rejected Coincidence.

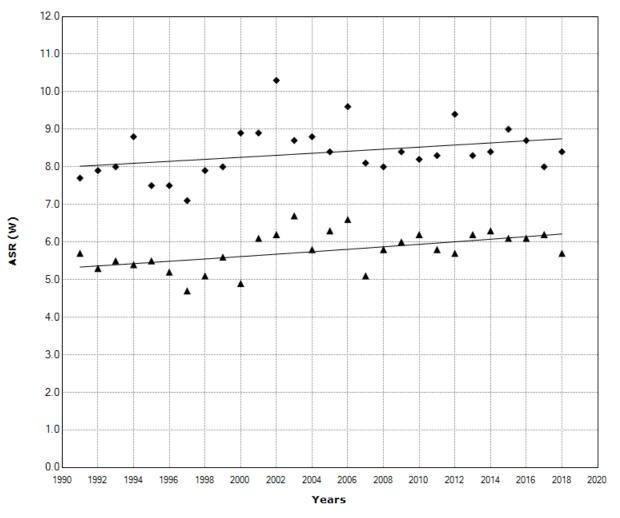
Males

▲ Females

1991-2004 APC = -1.7¹ 2004-2015 APC = 0.5

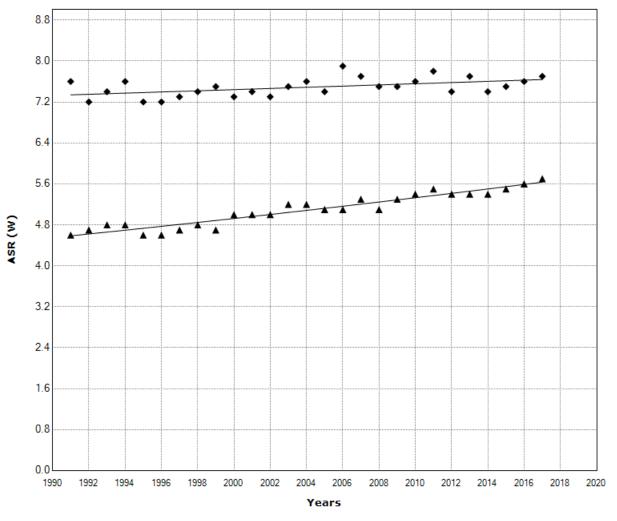
1991-2015 APC = -0.1

Israel: Males: O Joinpoints versus Females: O Joinpoints



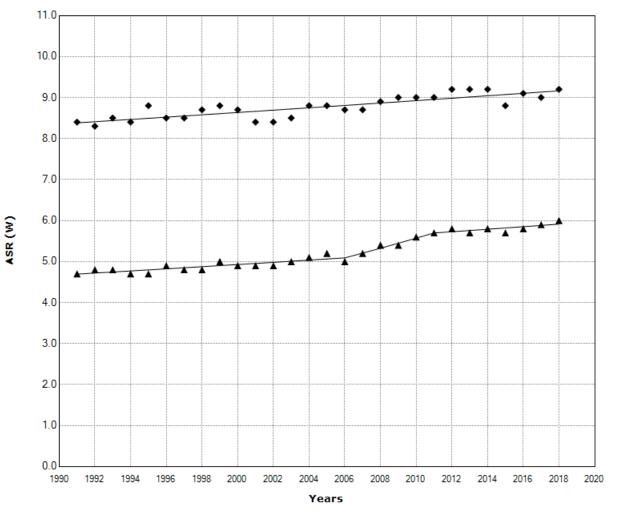
Males
 1991-2018 APC = 0.3
 Females
 1991-2018 APC = 0.6¹

Italy: Males: 0 Joinpoints versus Females: 0 Joinpoints



Males
1991-2017 APC = 0.2¹
Females
1991-2017 APC = 0.8¹

Japan: Males: O Joinpoints versus Females: 2 Joinpoints



Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: Males - 0 Joinpoints, Females - 2 Joinpoints. Rejected Coincidence.

Males

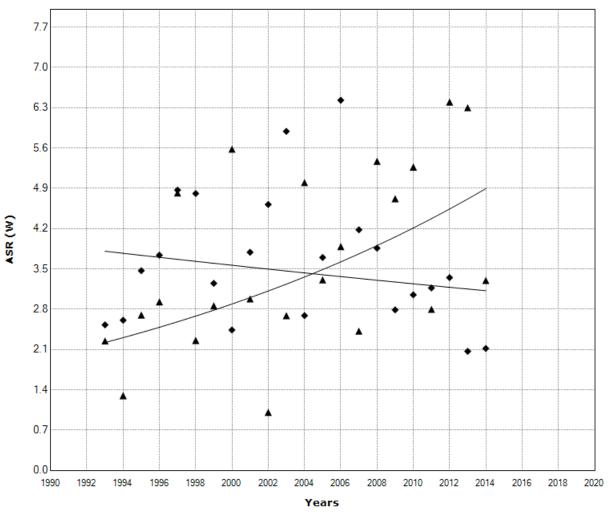
▲ Females

1991-2018 APC = 0.31

1991-2006 APC = 0.51

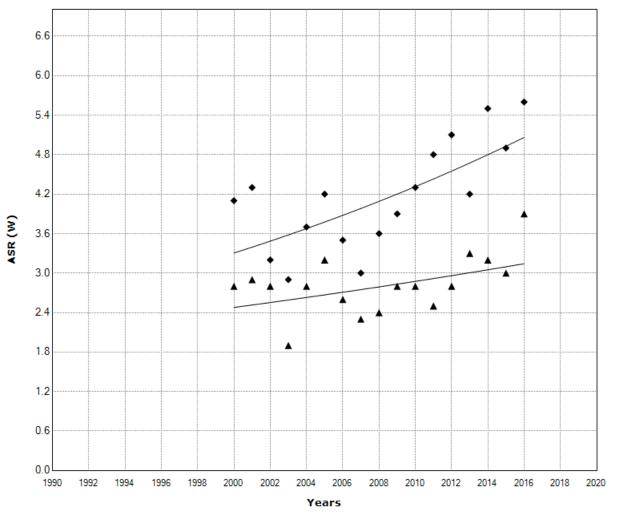
2006-2011 APC = 2.3¹ 2011-2018 APC = 0.5

Kuwait: Males: O Joinpoints versus Females: O Joinpoints



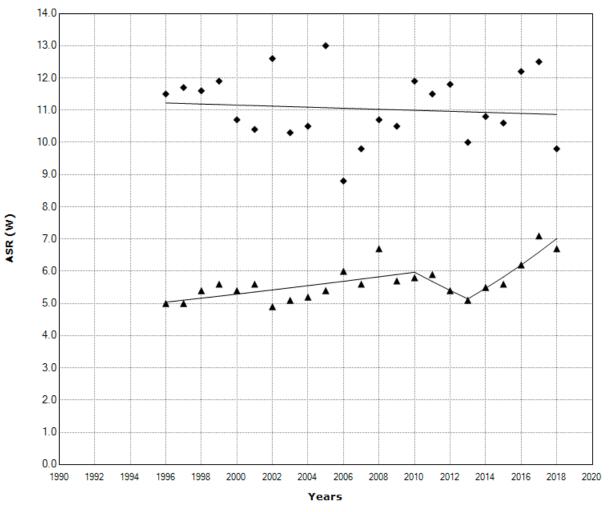
Males
1993-2014 APC = -0.9
Females
1993-2014 APC = 3.8¹

Kyrgyzstan: Males: O Joinpoints versus Females: O Joinpoints



Males
 2000-2016 APC = 2.7¹
 Females
 2000-2016 APC = 1.5

Latvia: Males: O Joinpoints versus Females: 2 Joinpoints



'Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: Males - 0 Joinpoints, Females - 2 Joinpoints. Rejected Coincidence.

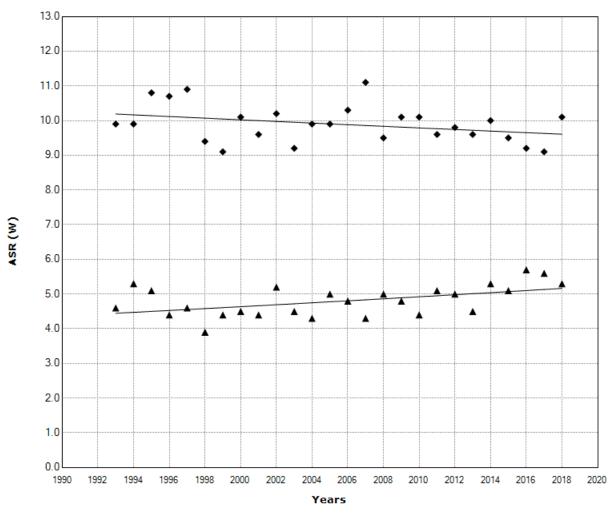
Males

▲ Females

1996-2018 APC = -0.1

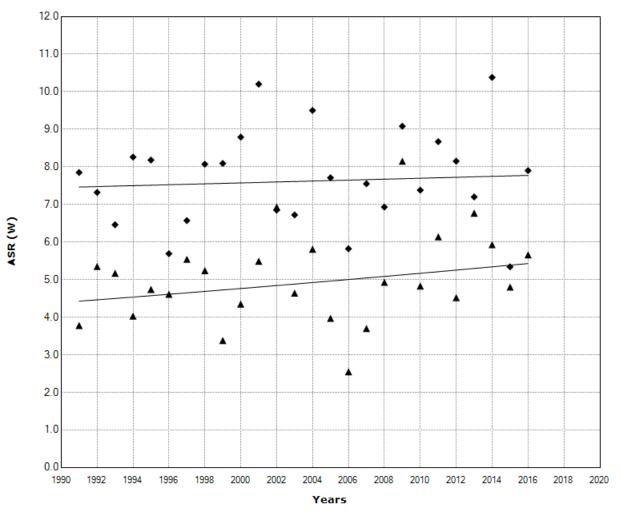
- 1996-2010 APC = 1.2¹ - 2010-2013 APC = -4.8 - 2013-2018 APC = 6.4¹

Lithuania: Males: O Joinpoints versus Females: O Joinpoints



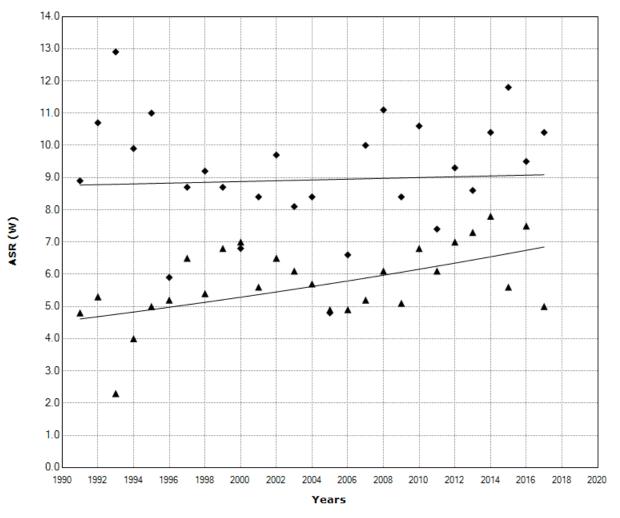
Males
1993-2018 APC = -0.2
Females
1993-2018 APC = 0.6¹

Luxembourg: Males: O Joinpoints versus Females: O Joinpoints



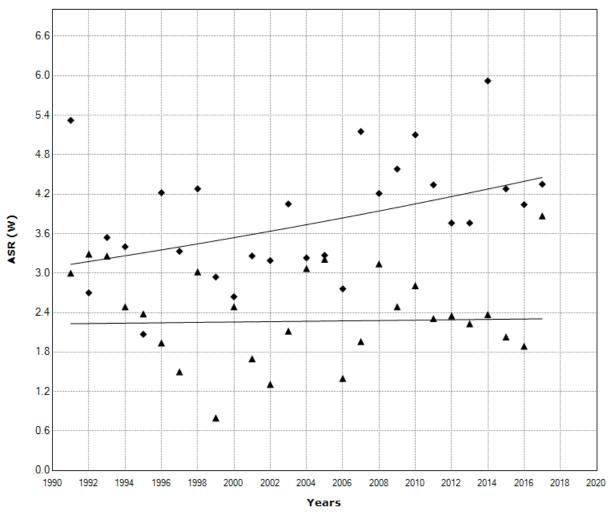
Males
1991-2016 APC = 0.2
▲ Females
1991-2016 APC = 0.8

Malta: Males: O Joinpoints versus Females: O Joinpoints



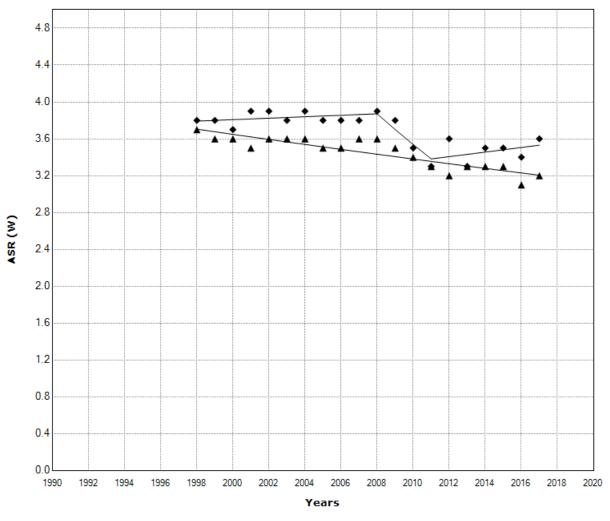
Males
1991-2017 APC = 0.1
Females
1991-2017 APC = 1.5¹

Mauritius: Males: O Joinpoints versus Females: O Joinpoints



Males
1991-2017 APC = 1.4¹
Females
1991-2017 APC = 0.1

Mexico: Males: 2 Joinpoints versus Females: 0 Joinpoints



'Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: Males - 2 Joinpoints, Females - 0 Joinpoints. Rejected Coincidence.

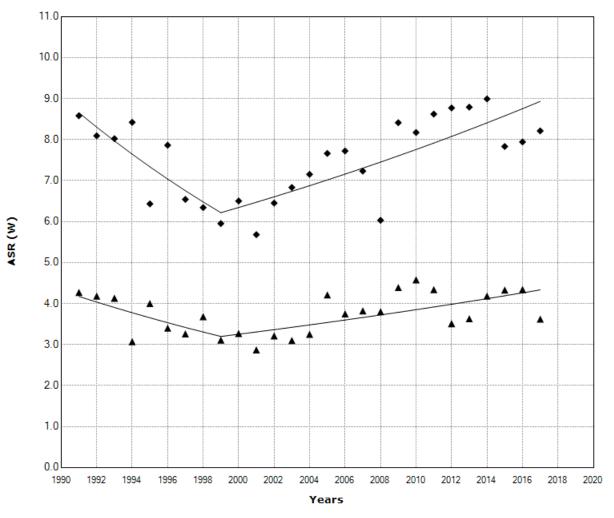
Males

▲ Females

- 1998-2008 APC = 0.2 - 2008-2011 APC = -4.4 - 2011-2017 APC = 0.7

- 1998-2017 APC = -0.81

Moldova: Males: 1 Joinpoint versus Females: 1 Joinpoint



'Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: Males - 1 Joinpoint, Females - 1 Joinpoint, Rejected Coincidence.

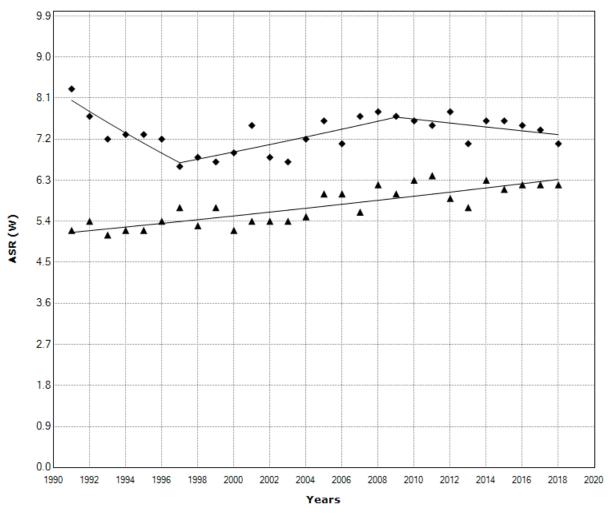
Males

▲ Females

= 1991-1999 APC = -4.0¹ = 1999-2017 APC = 2.0¹

1991-1999 APC = -3.3 1999-2017 APC = 1.7¹

Netherlands: Males: 2 Joinpoints versus Females: 0 Joinpoints



'Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: Males - 2 Joinpoints, Females - 0 Joinpoints. Rejected Coincidence.

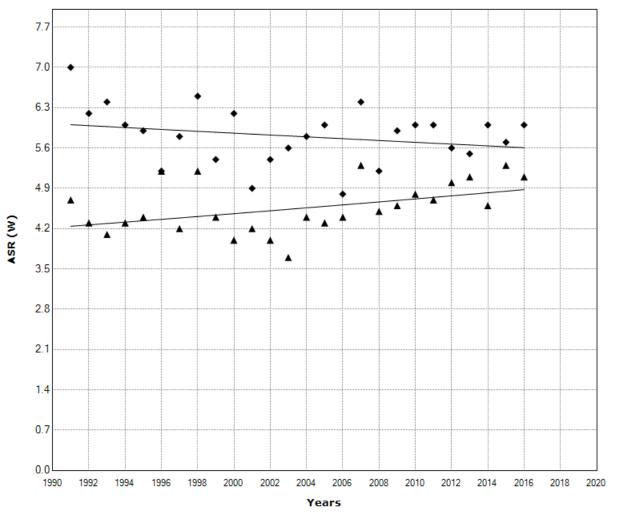
Males

▲ Females

1991-1997 APC = -3.1¹ 1997-2009 APC = 1.2¹ 2009-2018 APC = -0.6

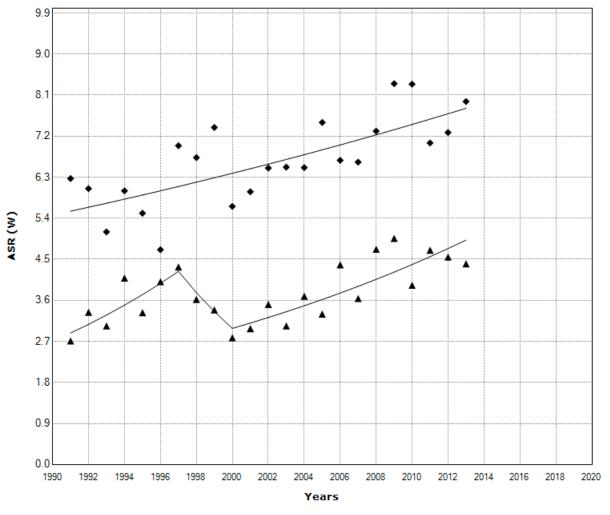
1991-2018 APC = 0.8¹

New Zealand: Males: O Joinpoints versus Females: O Joinpoints



Males
1991-2016 APC = -0.3
Females
1991-2016 APC = 0.6¹

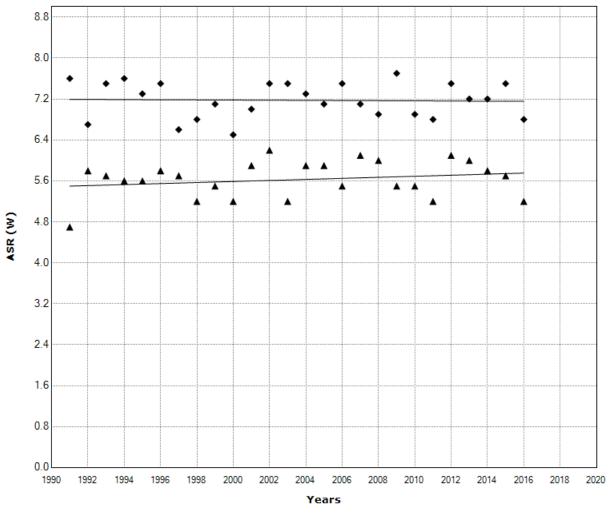
North Macedonia: Males: O Joinpoints versus Females: 2 Joinpoints



1991-2013 APC = 1.6¹
Females
1991-1997 APC = 6.6¹
1997-2000 APC = -11.0
2000-2013 APC = 3.9¹

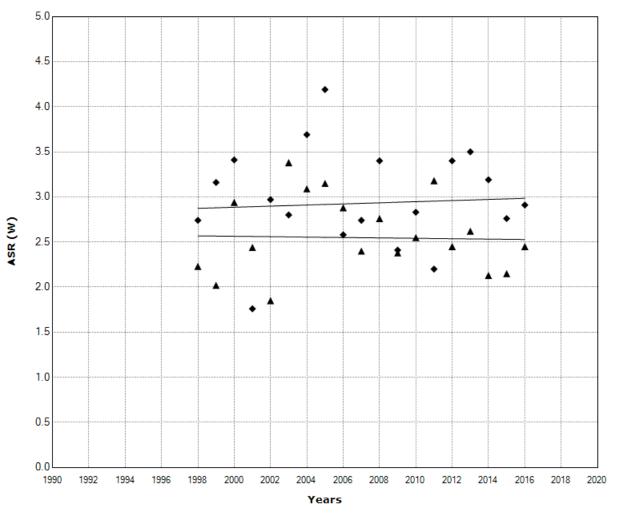
Males

Norway: Males: O Joinpoints versus Females: O Joinpoints



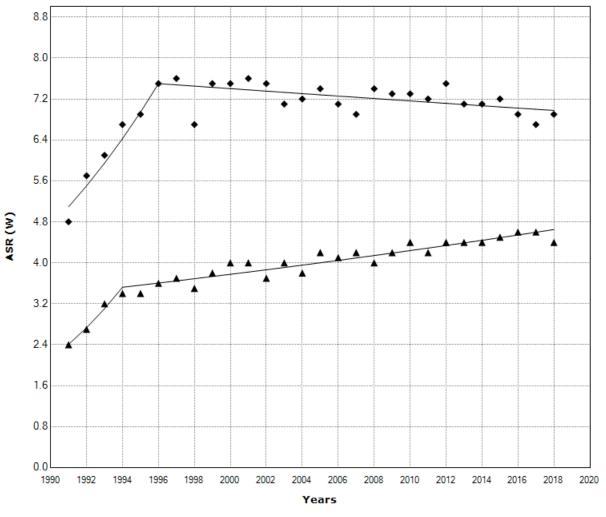
Males
 1991-2016 APC = -0.0
 Females
 1991-2016 APC = 0.2

Panama: Males: O Joinpoints versus Females: O Joinpoints



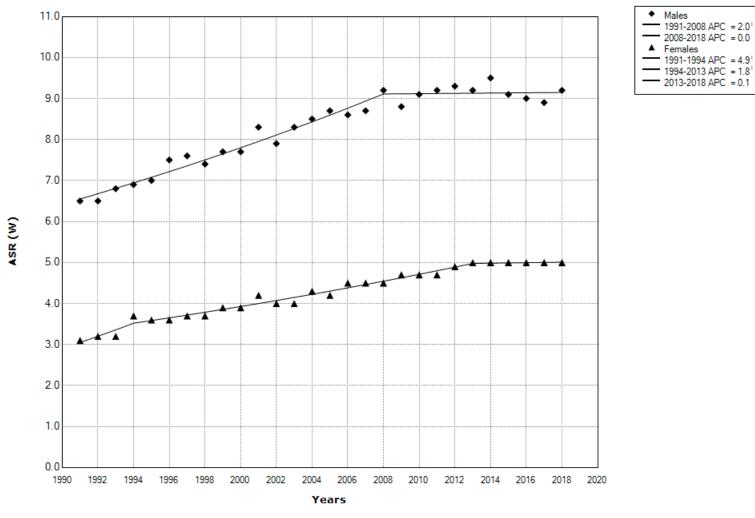
Males
1998-2016 APC = 0.2
Females
1998-2016 APC = -0.1

Republic of Korea: Males: 1 Joinpoint versus Females: 1 Joinpoint

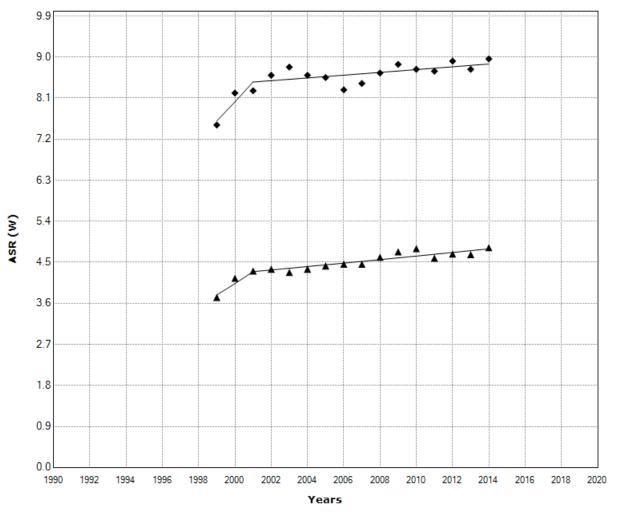


Males
1991-1996 APC = 8.0¹
1996-2018 APC = -0.3¹
Females
1991-1994 APC = 13.5¹
1994-2018 APC = 1.2¹

Romania: Males: 1 Joinpoint versus Females: 2 Joinpoints

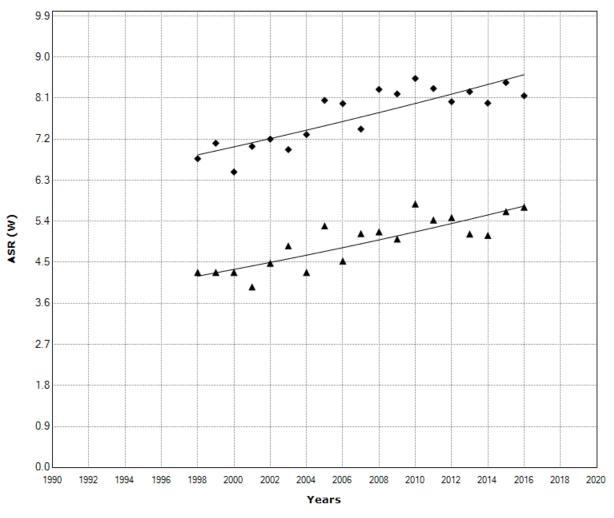


Russian Federation: Males: 1 Joinpoint versus Females: 1 Joinpoint



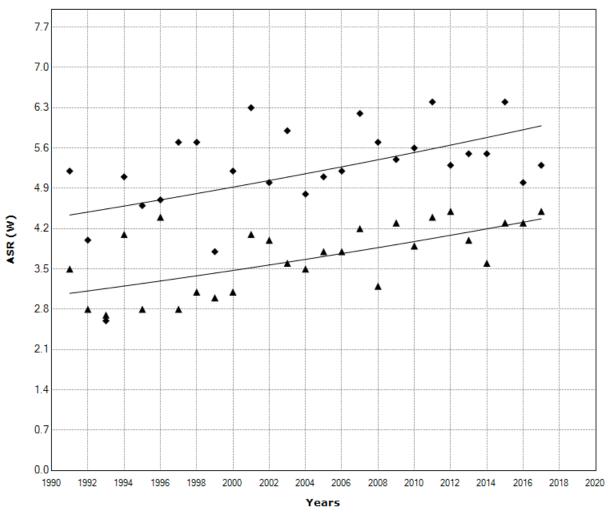
Males
1999-2001 APC = 5.5
2001-2014 APC = 0.4
A Females
1999-2001 APC = 6.6
2001-2014 APC = 0.8

Serbia: Males: O Joinpoints versus Females: O Joinpoints



Males
1998-2016 APC = 1.3¹
Females
1998-2016 APC = 1.7¹

Singapore: Males: O Joinpoints versus Females: O Joinpoints



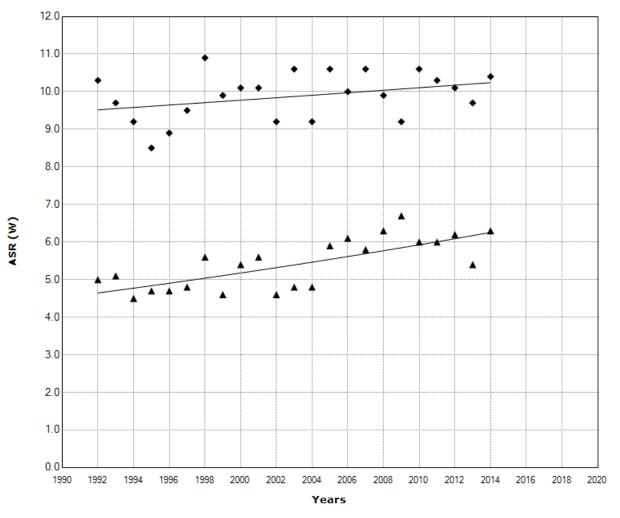
 ◆ Males

 1991-2017 APC = 1.2¹

 ▲ Females

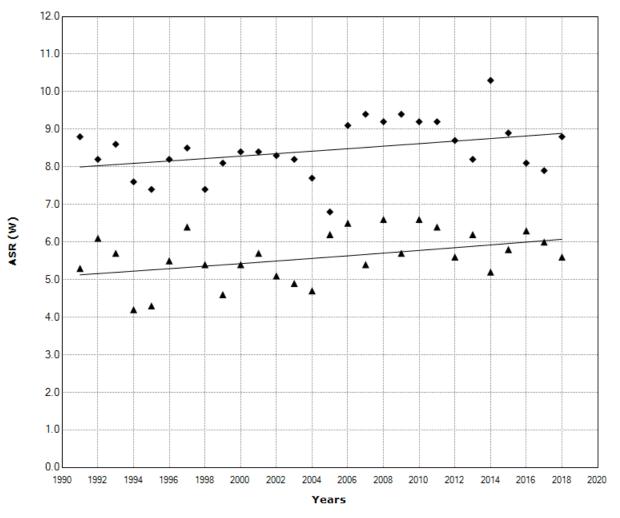
 1991-2017 APC = 1.4¹

Slovakia: Males: O Joinpoints versus Females: O Joinpoints



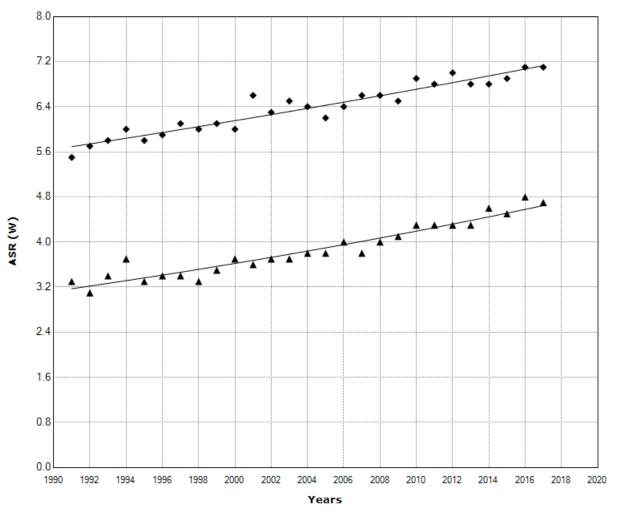
Males
1992-2014 APC = 0.3
Females
1992-2014 APC = 1.4¹

Slovenia: Males: O Joinpoints versus Females: O Joinpoints



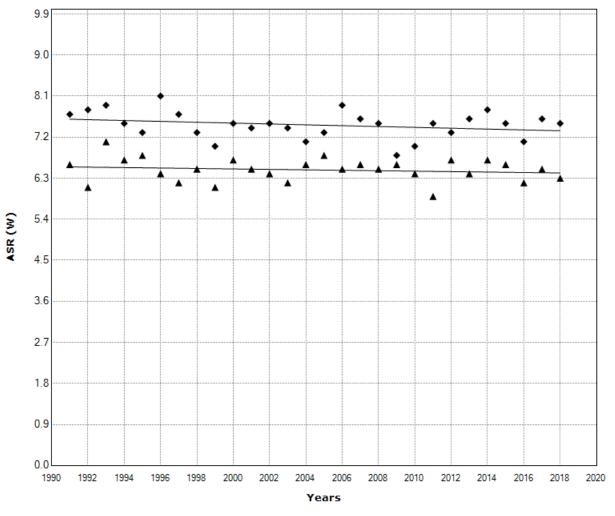
Males
1991-2018 APC = 0.4
Females
1991-2018 APC = 0.6¹

Spain: Males: O Joinpoints versus Females: O Joinpoints



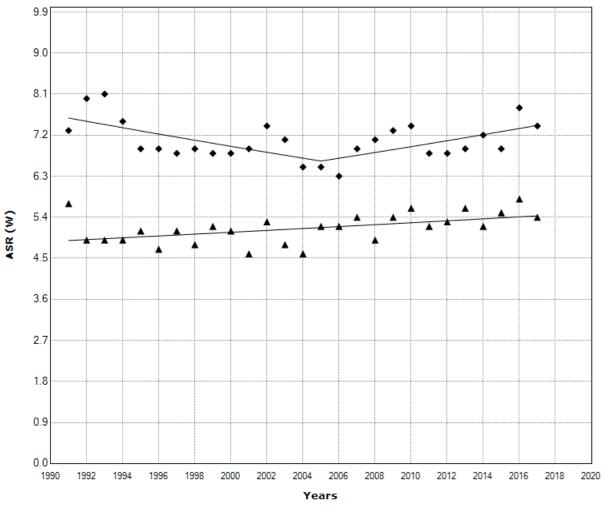
Males
1991-2017 APC = 0.9¹
Females
1991-2017 APC = 1.5¹

Sweden: Males: O Joinpoints versus Females: O Joinpoints



Males
1991-2018 APC = -0.1
Females
1991-2018 APC = -0.1

Switzerland: Males: 1 Joinpoint versus Females: 0 Joinpoints



'Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: Males - 1 Joinpoint, Females - 0 Joinpoints. Rejected Coincidence.

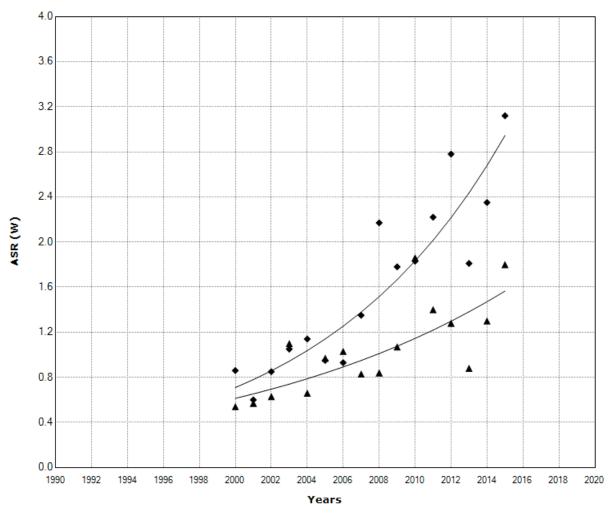
Males

▲ Females

1991-2005 APC = -0.91 2005-2017 APC = 0.91

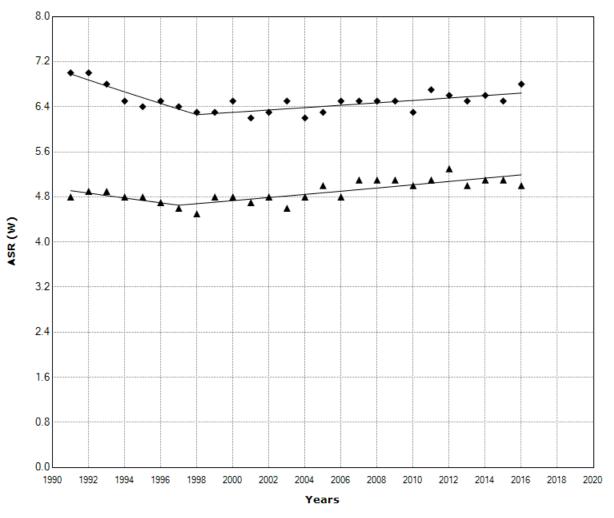
1991-2017 APC = 0.41

Turkmenistan: Males: O Joinpoints versus Females: O Joinpoints



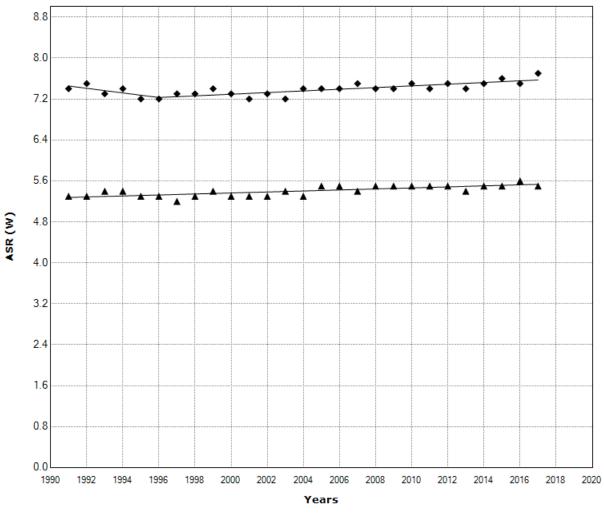
Males
2000-2015 APC = 10.0¹
A Females
2000-2015 APC = 6.4¹

United Kingdom: Males: 1 Joinpoint versus Females: 1 Joinpoint



Males
1991-1998 APC = -1.6¹
1998-2016 APC = 0.3¹
▲ Females
1991-1997 APC = -0.9
1997-2016 APC = 0.6¹

United States of America: Males: 1 Joinpoint versus Females: 0 Joinpoints



'Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: Males - 1 Joinpoint, Females - 0 Joinpoints. Rejected Coincidence.

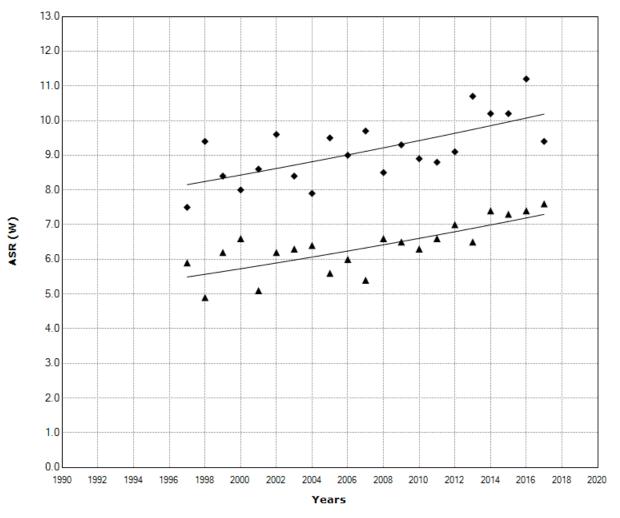
Males

▲ Females

1991-1996 APC = -0.6 1996-2017 APC = 0.2¹

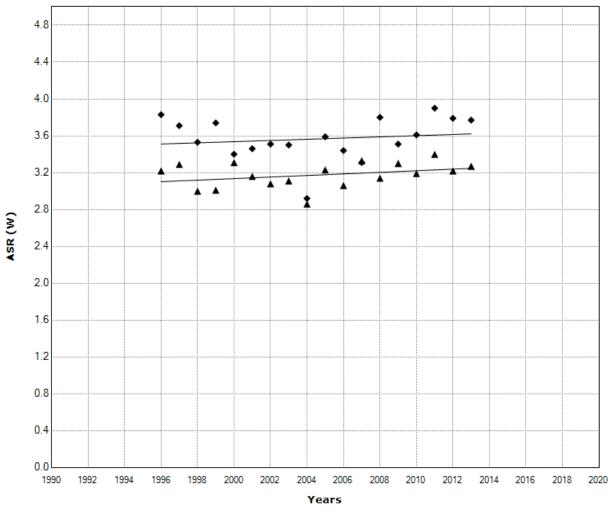
1991-2017 APC = 0.21

Uruguay: Males: O Joinpoints versus Females: O Joinpoints



Males
 1997-2017 APC = 1.1¹
 Females
 1997-2017 APC = 1.4¹

Venezuela: Males: O Joinpoints versus Females: O Joinpoints



'Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: Males - 0 Joinpoints, Females - 0 Joinpoints. Rejected Coincidence.

Males

▲ Females

- 1996-2013 APC = 0.2

1996-2013 APC = 0.3

Supplementary Figure 2 Joinpoint analysis for pancreatic cancer mortality trends, by countries and sex, since 1991 (as per data availability). ASR (W): Age Standardized Rate (using World standard population, per 100000). ¹Statistically significant trend (p<0.05). Joinpoint results are not shown for mortality in some countries, because there was no data for pancreatic cancer in the whole observed period continuously. For the trend analysis, we presented all mortality data available from 1991 year onwards, provided that there has been data for at least 15 years in a row continuously.