

New York State Department of Health, New York State Cancer Registry
Trends Using the Joinpoint Regression Program With up to Four Joinpoints, 1976-2009
Incidence Rates, Males

Site of cancer	Joinpoint Trend 1		Joinpoint Trend 2		Joinpoint Trend 3		Joinpoint Trend 4		Joinpoint Trend 5		AAPC	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2000-2009	2005-2009
All Invasive Malignant Tumors	1976-1989	0.8*	1989-1992	3.2	1992-2009	-0.1					-0.1	-0.1
Oral cavity and pharynx	1976-1982	1.5	1982-2001	-1.3*	2001-2009	0.7					0.5	0.7
Esophagus	1976-2009	0.1									0.1	0.1
Stomach	1976-1994	-0.7*	1994-2009	-2.0*							-2.0*	-2.0*
Colorectal	1976-1985	0.7*	1985-1990	-3.2*	1990-2000	-0.1	2000-2009	-4.0*			-4.0*	-4.0*
Liver / intrahepatic bile duct	1976-1984	1.2	1984-2009	3.8*							3.8*	3.8*
Pancreas	1976-1986	-1.2*	1986-2005	-0.1	2005-2009	2.5*					1.1*	2.5*
Larynx	1976-1987	0.2	1987-2009	-2.5*							-2.5*	-2.5*
Lung and bronchus	1976-1983	0.7*	1983-1992	-0.4*	1992-2009	-1.5*					-1.5*	-1.5*
Melanoma of the skin	1976-1983	5.3*	1983-1992	-0.1	1992-2009	5.4*					5.4*	5.4*
Prostate	1976-1989	2.1*	1989-1992	18.1*	1992-1995	-3.7	1995-2000	3.8*	2000-2009	-1.1*	-1.1*	-1.1*
Testis	1976-1980	7.0*	1980-2009	1.4*							1.4*	1.4*
Urinary bladder (incl. in situ)	1976-1980	2.8*	1980-1994	-0.5*	1994-1998	3.2*	1998-2009	0.0			0.0	0.0
Kidney and renal pelvis	1976-2007	2.6*	2007-2009	-2.6							1.4	0.0
Brain and other nervous system	1976-1995	1.4*	1995-2009	-1.0*							-1.0*	-1.0*
Thyroid	1976-1990	0.7	1990-2004	5.9*	2004-2009	9.3*					7.8*	9.3*
Hodgkin lymphoma	1976-2009	-0.4*									-0.4*	-0.4*
Non-Hodgkin lymphomas	1976-1982	2.5*	1982-1985	7.6	1985-1994	3.3*	1994-2000	-1.1	2000-2009	1.0*	1.0*	1.0*
Multiple myeloma	1976-2009	1.3*									1.3*	1.3*
Leukemias	1976-2009	0.4*									0.4*	0.4*

Joinpoint Regression Program Version 3.4.3, April 2010, National Cancer Institute (<http://srab.cancer.gov/joinpoint/>).
The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Standard Population.
The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
* indicates the APC/AAPC is significantly different from zero (p<0.05).

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	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2000-2009	2005-2009
All Invasive Malignant Tumors	1976-1998	0.9*	1998-2009	-0.1							-0.1	-0.1
Oral cavity and pharynx	1976-1985	0.8	1985-2009	-0.7*							-0.7*	-0.7*
Esophagus	1976-1992	0.3	1992-2009	-1.5*							-1.5*	-1.5*
Stomach	1976-2006	-1.2*	2006-2009	-5.6							-2.7*	-4.5*
Colorectal	1976-1985	0.0	1985-1989	-3.2*	1989-2000	0.2	2000-2009	-3.3*			-3.3*	-3.3*
Liver / intrahepatic bile duct	1976-1987	-0.4	1987-1992	6.6	1992-2009	1.7*					1.7*	1.7*
Pancreas	1976-2009	0.3*									0.3*	0.3*
Larynx	1976-1989	3.2*	1989-2009	-3.1*							-3.1*	-3.1*
Lung and bronchus	1976-1985	4.5*	1985-1994	2.9*	1994-2009	0.4*					0.4*	0.4*
Melanoma of the skin	1976-1983	4.2*	1983-1993	-2.1*	1993-2006	6.6*	2006-2009	1.1			4.7*	2.4
Female breast	1976-1981	0.2	1981-1985	2.9*	1985-1998	1.4*	1998-2005	-1.5*	2005-2009	1.2	-0.3	1.2
Cervix uteri	1976-1982	-3.6*	1982-1996	0.2	1996-2001	-5.1*	2001-2009	-1.5			-1.9*	-1.5*
Corpus uterus and NOS	1976-1978	-9.0*	1978-1981	3.2	1981-1989	-1.1	1989-1998	2.5*	1998-2009	0.8*	0.8*	0.8*
Ovary	1976-1995	0.3*	1995-2009	-2.2*							-2.2*	-2.2*
Urinary bladder (incl. in situ)	1976-2000	0.7*	2000-2009	-0.7							-0.7*	-0.7*
Kidney and renal pelvis	1976-2009	2.6*									2.6*	2.6*
Brain and other nervous system	1976-1996	1.7*	1996-2009	-1.4*							-1.4*	-1.4*
Thyroid	1976-1990	1.5*	1990-2009	8.2*							8.2*	8.2*
Hodgkin lymphoma	1976-2009	0.1									0.1	0.1
Non-Hodgkin lymphomas	1976-1997	2.7*	1997-2009	0.5*							0.5*	0.5*
Multiple myeloma	1976-2009	1.2*									1.2*	1.2*
Leukemias	1976-2009	0.4*									0.4*	0.4*

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	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2000-2009	2005-2009
All Invasive Malignant Tumors	1976-1994	-0.3*	1994-2006	-2.4*	2006-2009	-1.0					-1.9*	-1.3*
Oral cavity and pharynx	1976-2009	-3.0*									-3.0*	-3.0*
Esophagus	1976-2009	-0.2*									-0.2*	-0.2*
Stomach	1976-1993	-1.8*	1993-2009	-4.0*							-4.0*	-4.0*
Colorectal	1976-1986	-1.0*	1986-2000	-2.7*	2000-2009	-4.4*					-4.4*	-4.4*
Liver / intrahepatic bile duct	1976-2009	1.9*									1.9*	1.9*
Pancreas	1976-1990	-1.1*	1990-2009	-0.3							-0.3	-0.3
Larynx	1976-1994	-1.2*	1994-2009	-3.6*							-3.6*	-3.6*
Lung and bronchus	1976-1991	0.1	1991-2009	-2.5*							-2.5*	-2.5*
Melanoma of the skin	1976-2009	0.0									0.0	0.0
Prostate	1976-1994	1.2*	1994-2009	-4.0*							-4.0*	-4.0*
Testis	1976-2009	-3.5*									-3.5*	-3.5*
Urinary bladder (incl. in situ)	1976-1991	-2.0*	1991-1998	-0.1	1998-2005	-2.6*	2005-2009	2.5			-0.4	2.5
Kidney and renal pelvis	1976-2009	-0.5*									-0.5*	-0.5*
Brain and other nervous system	1976-2009	-0.4*									-0.4*	-0.4*
Thyroid	1976-2009	-0.7									-0.7*	-0.7*
Hodgkin lymphoma	1976-1990	-2.8*	1990-1998	-7.8*	1998-2009	-1.5					-1.5	-1.5
Non-Hodgkin lymphomas	1976-1995	2.0*	1995-2009	-2.9*							-2.9*	-2.9*
Multiple myeloma	1976-1987	2.6*	1987-2009	-0.7*							-0.7*	-0.7*
Leukemias	1976-2009	-0.6*									-0.6*	-0.6*

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	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2000-2009	2005-2009
All Invasive Malignant Tumors	1976-1995	-0.1*	1995-2009	-1.9*							-1.9*	-1.9*
Oral cavity and pharynx	1976-1988	-1.0*	1988-2009	-3.6*							-3.6*	-3.6*
Esophagus	1976-2009	-0.9*									-0.9*	-0.9*
Stomach	1976-1991	-2.8*	1991-1994	2.3	1994-2009	-3.9*					-3.9*	-3.9*
Colorectal	1976-1999	-2.1*	1999-2009	-4.0*							-4.0*	-4.0*
Liver / intrahepatic bile duct	1976-2009	0.9*									0.9*	0.9*
Pancreas	1976-2009	-0.1*									-0.1*	-0.1*
Larynx	1976-1992	0.7	1992-2009	-3.7*							-3.7*	-3.7*
Lung and bronchus	1976-1983	4.9*	1983-1992	3.3*	1992-2002	-0.2	2002-2009	-1.3*			-1.1*	-1.3*
Melanoma of the skin	1976-2009	-0.7*									-0.7*	-0.7*
Female breast	1976-1982	-0.8*	1982-1988	0.3	1988-1996	-1.7*	1996-1999	-4.8*	1999-2009	-3.0*	-3.0*	-3.0*
Cervix uteri	1976-1985	-4.4*	1985-1997	-1.1	1997-2009	-3.0*					-3.0*	-3.0*
Corpus uterus and NOS	1976-1986	-2.3*	1986-2009	0.3*							0.3*	0.3*
Ovary	1976-1978	-5.9	1978-1992	0.0	1992-2009	-1.5*					-1.5*	-1.5*
Urinary bladder (incl. in situ)	1976-2009	-1.2*									-1.2*	-1.2*
Kidney and renal pelvis	1976-1988	1.1	1988-2009	-1.3*							-1.3*	-1.3*
Brain and other nervous system	1976-2009	-0.5*									-0.5*	-0.5*
Thyroid	1976-2009	-1.1*									-1.1*	-1.1*
Hodgkin lymphoma	1976-2009	-3.5*									-3.5*	-3.5*
Non-Hodgkin lymphomas	1976-1997	1.6*	1997-2009	-3.9*							-3.9*	-3.9*
Multiple myeloma	1976-1984	2.6*	1984-1988	-3.6	1988-1994	4.3*	1994-2009	-2.4*			-2.4*	-2.4*
Leukemias	1976-2009	-0.9*									-0.9*	-0.9*

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