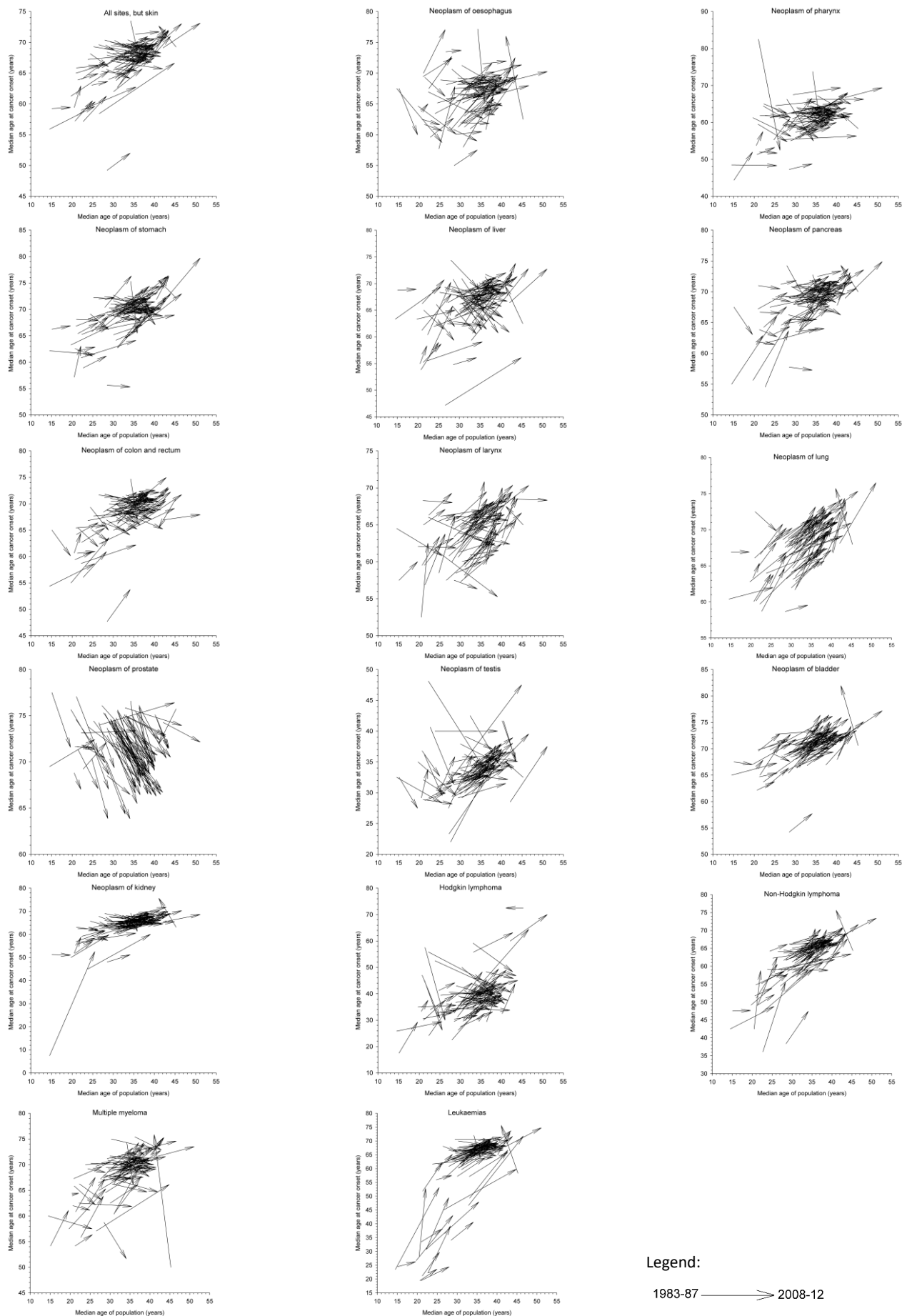


**Table S1: Linear regression between median age of the population as a predictor of the median age of the studied cancers according to the three selected main geographical areas recorded by the XI Cancer in Five Continents volumes (2008-12)**

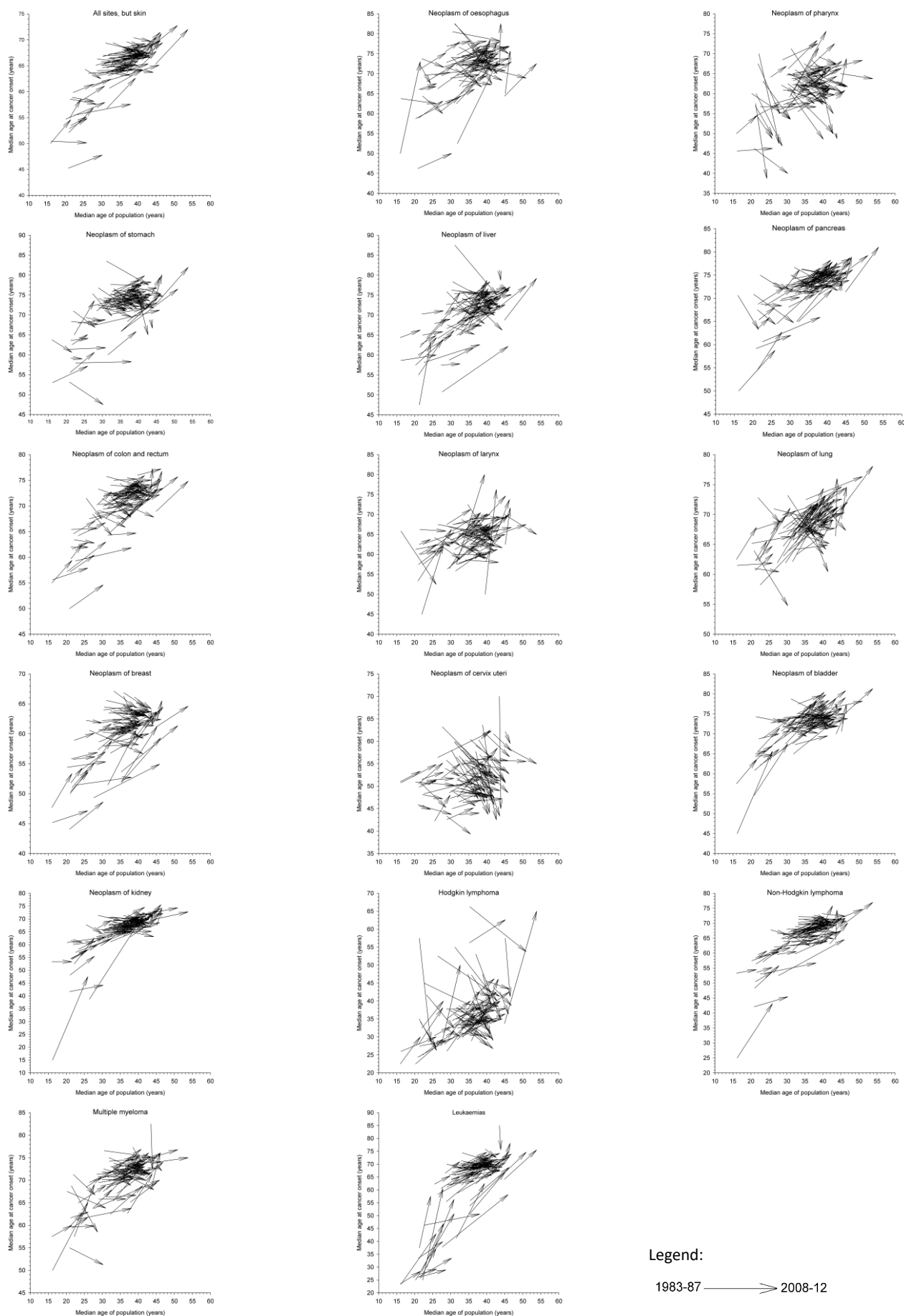
Cancer	Selected main geographical areas											
	Americas, Europe and Oceania				Asia				Eastern Mediterranean and Africa			
	(N= 285 CRs)				(N= 84 CRs)				(N= 24 CRs)			
	r <sup>2</sup>	α	Slope	(95%CI)	r <sup>2</sup>	α	Slope	(95%CI)	r <sup>2</sup>	α	Slope	(95%CI)
<b>Males</b>												
All sites, but skin	0.61+	53.9	0.38*	(0.34;0.41)	0.67+	45.8	0.53*	(0.45;0.61)	0.10	53.0	0.30	(0.08;0.68)
Pharynx	0.14+	53.7	0.21*	(0.15;0.28)	0.04	53.4	0.16	(0.01;0.33)	0.06	46.5	0.20	(0.01;0.54)
Oesophagus	0.09+	60.3	0.19*	(0.12;0.25)	0.28+	53.7	0.32*	(0.21;0.44)	0.00	63.9	0.03	(0.36;0.41)
Stomach	0.53+	52.6	0.47*	(0.42;0.52)	0.51+	50.3	0.43*	(0.34;0.52)	0.03	60.5	0.13	(0.20;0.46)
Liver	0.31+	50.4	0.43*	(0.36;0.51)	0.14+	52.3	0.27*	(0.12;0.42)	0.03	57.2	0.20	(0.30;0.70)
Pancreas	0.41+	56.1	0.35*	(0.30;0.40)	0.58+	45.2	0.58*	(0.48;0.69)	0.03	61.0	0.14	(0.20;0.47)
Colon and rectum	0.59+	51.5	0.46*	(0.42;0.51)	0.62+	46.1	0.52*	(0.43;0.61)	0.21	51.1	0.38	(0.07;0.70)
Larynx	0.09+	59.7	0.15*	(0.10;0.21)	0.34+	53.3	0.32*	(0.22;0.42)	0.04	63.9	-0.09	(-0.28;0.09)
Lung	0.31+	59.5	0.28*	(0.23;0.32)	0.61+	52.0	0.45*	(0.37;0.53)	0.00	65.3	-0.04	(-0.36;0.28)
Prostate	0.15+	61.7	0.19*	(0.14;0.24)	0.21+	66.6	0.19*	(0.11;0.26)	0.24	75.9	-0.19*	(-0.33;-0.05)
Testis	0.20+	25.9	0.24*	(0.18;0.29)	0.05+	26.3	0.33*	(0.01;0.64)	0.01	28.8	0.13	(0.46;0.72)
Bladder	0.31+	61.0	0.29*	(0.24;0.34)	0.48+	55.4	0.38*	(0.30;0.47)	0.01	64.4	0.05	(0.24;0.34)
Kidney	0.54+	47.1	0.50*	(0.45;0.54)	0.46+	44.0	0.49*	(0.38;0.61)	0.29	15.6	1.46*	(0.51;2.40)
Hodgkin lymphoma	0.10+	24.9	0.42*	(0.27;0.57)	0.35+	1.9	1.27*	(0.89;1.65)	0.13	18.4	0.56	(0.05;1.16)
Non-Hodgkin lymphoma	0.54+	40.3	0.66*	(0.59;0.73)	0.62+	35.4	0.70*	(0.58;0.81)	0.46	24.2	1.02*	(0.56;1.48)
Myeloma	0.44+	50.5	0.50*	(0.43;0.57)	0.26+	48.9	0.46*	(0.29;0.63)	0.01	65.0	-0.07	(-0.43;0.29)
Leukaemias	0.56+	18.7	1.25*	(1.12;1.38)	0.77+	-9.5	1.68*	(1.48;1.87)	0.30	8.9	1.40*	(0.51;2.29)
Ill-defined or unspecified	0.51+	49.7	0.60*	(0.53;0.66)	0.42+	44.2	0.61*	(0.45;0.77)	0.07	54.9	0.33	(0.16;0.81)
<b>Females</b>												
All sites, but skin	0.73+	45.7	0.51*	(0.47;0.54)	0.60+	37.2	0.62*	(0.51;0.73)	0.33	41.5	0.49	(0.30;0.79)
Pharynx	0.09+	45.3	0.42*	(0.26;0.57)	0.15+	45.2	0.32*	(0.16;0.49)	0.10	41.6	0.34	(0.01;0.77)
Oesophagus	0.20+	51.8	0.50*	(0.38;0.61)	0.54+	48.4	0.56*	(0.45;0.67)	0.00	65.3	0.03	(0.39;0.45)
Stomach	0.45+	49.5	0.59*	(0.51;0.66)	0.60+	39.7	0.69*	(0.57;0.82)	0.18	51.2	0.43	(0.05;0.81)
Liver	0.40+	46.2	0.64*	(0.55;0.73)	0.53+	43.6	0.63*	(0.50;0.76)	0.35	48.7	0.62*	(0.27;0.96)
Pancreas	0.44+	57.6	0.41*	(0.36;0.47)	0.48+	41.9	0.72*	(0.56;0.89)	0.45	49.4	0.57*	(0.31;0.83)
Colon and rectum	0.66+	48.3	0.58*	(0.53;0.62)	0.76+	39.2	0.71*	(0.62;0.79)	0.41	45.5	0.58*	(0.29;0.87)
Larynx	0.05+	57.1	0.19*	(0.09;0.28)	0.19+	45.7	0.54*	(0.30;0.78)	0.03	67.6	-0.23	(-0.78;0.32)
Lung	0.13+	62.3	0.18*	(0.13;0.23)	0.64+	47.6	0.54*	(0.45;0.62)	0.00	65.4	-0.04	(-0.29;0.21)
Breast	0.63+	46.1	0.39*	(0.35;0.42)	0.33+	42.0	0.30*	(0.21;0.39)	0.18	44.7	0.26*	(0.03;0.49)
Cervix uteri	0.08+	43.3	0.20*	(0.12;0.28)	0.03+	54.1	-0.07	(-0.28;0.25)	0.00	52.3	-0.02	(-0.28;0.25)
Bladder	0.12+	62.0	0.29*	(0.20;0.38)	0.46+	47.4	0.61*	(0.47;0.75)	0.12	60.0	0.25	(0.03;0.54)
Kidney	0.52+	46.4	0.54*	(0.48;0.60)	0.52+	22.2	1.06*	(0.84;1.28)	0.34	-0.5	1.85*	(0.77;2.93)
Hodgkin lymphoma	0.03+	29.9	0.20*	(0.06;0.35)	0.13+	18.7	0.61*	(0.26;0.96)	0.18	19.7	0.40*	(0.05;0.76)
Non-Hodgkin lymphoma	0.56+	42.6	0.63*	(0.56;0.70)	0.60+	32.4	0.76*	(0.63;0.89)	0.51+	20.7	1.21*	(0.72;1.71)
Myeloma	0.49+	50.9	0.51*	(0.45;0.57)	0.37+	41.6	0.62*	(0.45;0.80)	0.27	50.5	0.45*	(0.14;0.76)
Leukaemias	0.60+	16.5	1.27*	(1.15;1.39)	0.75+	-3.6	1.49*	(1.30;1.67)	0.50	-1.7	1.7*	(0.99;2.40)
Ill-defined or unspecified	0.55+	47.9	0.72*	(0.64;0.79)	0.52+	35.9	0.85*	(0.67;1.03)	0.54+	39.3	0.95*	(0.58;1.33)

α: Intercept; CR: Cancer Registry;

r<sup>2</sup>: R-squared; slope: slope of the regression line; 95%CI: 95% Confidence Interval; +probability of F-test<0.01; \*p<0.01



(a)



(b)

**Figure S1.** Vector plots of the median age of the population and the median age at cancer diagnosis at the beginning (1983-87) and at the end (2008-12) of the studied period in the 84 populations of the long-standing cancer registries (CRs) listed in the Cancer in Five Continents volumes. **(a)** Males; **(b)** Females.