

Supplementary Table 1: Male lung cancer incidence trends by countries and age, 2000–2012.

Countries	Age (years)	Trend 1		Trend 2		Trend 3		AAPC 2000–2012
		Period	APC	Period	APC	Period	APC	
China	ASIR	2000–2009	-2.5* (-2.9, -2.2)	2009–2012	-0.3 (-2.2, 1.6)			-2.0* (-2.4, -1.5)
China	<40	2000–2012	-3.2* (-5.5, -0.9)					-3.2* (-5.5, -0.9)
China	40–49	2000–2007	0.6 (-1.3, 2.5)	2007–2012	-4.7* (-7.7, -1.5)			-1.6* (-3.1, -0.2)
China	50–59	2000–2009	-0.1 (-1.0, 0.9)	2009–2012	6.2* (0.7, 11.9)			1.5* (0.2, 2.8)
China	60–69	2000–2009	-3.9* (-4.5, -3.3)	2009–2012	1.1 (-2.2, 4.6)			-2.6* (-3.4, -1.9)
China	70–79	2000–2012	-2.9* (-3.4, -2.3)					-2.9* (-3.4, -2.3)

		2000–201	-2.6* (-3.3,					-2.6* (-3.3,
China	>80	2	-1.9)					-1.9)
		2000–201	-1.2* (-1.6,					-1.2* (-1.6,
South Korea	ASIR	2	-0.9)					-0.9)
		2000–201	-3.4* (-5.6,					-3.4* (-5.6,
South Korea	<40	2	-1.1)					-1.1)
		2000–201	-1.6* (-2.7,					-1.6* (-2.7,
South Korea	40–49	2	-0.5)					-0.5)
		2000–201	-1.8* (-2.3,					-1.8* (-2.3,
South Korea	50–59	2	-1.2)					-1.2)
		2000–201	-1.1* (-1.7,					-1.1* (-1.7,
South Korea	60–69	2	-0.6)					-0.6)
		2000–201	-1.6* (-2.2,					-1.6* (-2.2,
South Korea	70–79	2	-1.0)					-1.0)
		2000–201	0.6 (-0.3, 1.5)					0.6 (-0.3, 1.5)
South Korea	>80	2						
USA	ASIR	2000–200	-0.9* (-1.9, -0)	2003–200	-2.4* (-2.9,	2008–201	-3.8* (-4.3,	-2.5* (-2.8,

		3		8	-1.8)	2	-3.2)	-2.2)
		2000–201	-3.9* (-4.9,					-3.9* (-4.9,
USA	<40	2	-3.0)					-3.0)
		2000–200	-0.1 (-2.3, 2.2)	2003–200	-3.2* (-4.6,	2008–201	-8.1* (-9.4,	-4.1* (-4.8,
USA	40–49	3		8	-1.8)	2	-6.8)	-3.4)
		2000–201	-2.4* (-2.5,					-2.4* (-2.5,
USA	50–59	2	-2.2)					-2.2)
		2000–200	-1.9* (-2.4,	2005–201	-4.1* (-4.5,			-3.2* (-3.4,
USA	60–69	5	-1.3)	2	-3.8)			-2.9)
		2000–200	0 (-0.7, 0.8)	2003–200	-1.6* (-2.3,	2007–201	-3.3* (-3.6,	-1.9* (-2.1,
USA	70–79	3		7	-0.8)	2	-2.9)	-1.6)
		2000–200	1.0* (0.4, 1.6)	2005–200	-0.9 (-2.1, 0.4)	2009–201	-3.5* (-4.7,	-0.8* (-1.2,
USA	>80	5		9		2	-2.3)	-0.3)
United		2000–200	-3.6* (-5.2,	2003–201	-0.8* (-1.1,			-1.5* (-1.9,
Kingdom	ASIR	3	-1.8)	2	-0.5)			-1.1)
United		2000–201						
Kingdom	<40	2	-0.2 (-2.0, 1.5)					-0.2 (-2.0, 1.5)

United Kingdom	40–49	2000–200	3	-7.1 (-13.9, 0.2)	2003–201	2	-1.2 (-2.6, 0.2)		-2.7* (-4.5, -0.9)		
United Kingdom	50–59	2000–201	2	-1.8* (-2.1, -1.5)					-1.8* (-2.1, -1.5)		
United Kingdom	60–69	2000–201	2	-1.6* (-1.9, -1.2)					-1.6* (-1.9, -1.2)		
United Kingdom	70–79	2000–200	2	-5.1 (-10.3, 0.4)	2002–200	9	-1.7* (-2.6, -0.7)	2009–201	2	1.2 (-1.6, 4.1)	-1.5* (-2.5, -0.6)
United Kingdom	>80	2000–200	3	-2.6 (-5.3, 0.3)	2003–200	7	2.2 (-0.7, 5.2)	2007–201	2	1.0 (-2.3, 0.2)	-0.4 (-1.4, 0.6)
Australia	ASIR [#]	2000–201	2	-1.3* (-1.7, -0.9)						-1.3* (-1.7, -0.9)	
Australia	<40	2000–201	2	-0.3 (-2.3, 1.8)						-0.3 (-2.3, 1.8)	
Australia	40–49	2000–201	2	-0.3 (-2.1, 1.6)						-0.3 (-2.1, 1.6)	
Australia	50–59	2000–201	2	-1.7* (-2.2, -1.2)						-1.7* (-2.2, -1.2)	

Supplementary Table 2: Female lung cancer incidence trends by countries and age, 2000–2012.

Countries	Age (years)	Trend 1		Trend 2		Trend 3		AAPC 2000–2012
		Period	APC	Period	APC	Period	APC	
China	ASIR	2000–2008	-1.4* (-2.6, -0.3)	2008–2011	2.7 (-0.8, 6.2)			-0.1 (-1.3, 1.1)
China	<40	2000–2002	-22.8 (-50.4, 20.3)	2002–2011	2.9 (-0.6, 6.5)			-1.9 (-8.3, 4.9)
China	40–49	2000–2011	1.8* (0.9, 2.8)					1.8* (0.9, 2.8)
China	50–59	2000–2009	0 (-1.4, 1.5)	2009–2011	10.7* (2.2, 19.8)			2.6* (0.6, 4.6)
China	60–69	2000–2009	-2.4* (-4.0, -0.8)	2009–2011	6.6 (-2.5, 16.6)			-0.2 (-2.4, 2.0)
China	70–79	2000–2011	-1.2* (-2.0, -0.5)					-1.2* (-2.0, -0.5)
China	>80	2000–2011	-1.9* (-2.4, -1.4)					-1.9* (-2.4, -1.4)

		2	-1.3)						-1.3)
		2000–200		2003–201					
South Korea	ASIR	3	-2.3 (-4.8, 0.3)	2	2.3* (1.8, 2.8)				1.1* (0.5, 1.8)
		2000–201							
South Korea	<40	2	2.0 (-0.4, 4.6)						2.0 (-0.4, 4.6)
		2000–201							
South Korea	40–49	2	3.2* (1.8, 4.7)						3.2* (1.8, 4.7)
		2000–201							
South Korea	50–59	2	2.8* (1.7, 4.1)						2.8* (1.7, 4.1)
		2000–200	-4.0* (-7.4,	2004–201					
South Korea	60–69	4	-0.5)	2	4.1* (2.8, 5.4)				1.3* (0.1, 2.6)
		2000–201							
South Korea	70–79	2	-0.3 (-1.0, 0.3)						-0.3 (-1.0, 0.3)
		2000–201							
South Korea	>80	2	1.2* (0.2, 2.2)						1.2* (0.2, 2.2)
		2000–200		2006–201	-2.2* (-2.6,				-0.9* (-1.2,
USA	ASIR	6	0.4 (-0.1, 0.8)	2	-1.7)				-0.7)

		2000–201	–3.6* (–4.4,					–3.6* (–4.4,
USA	<40	2	–2.8)					–2.8)
		2000–200		2005–200		2009–201	–7.0* (–9.8,	–1.4* (–2.5,
USA	40–49	5	2.9* (1.5, 4.3)	9	–2.4 (–5.4, 0.7)	2	–4.0)	–0.3)
		2000–200	–1.7* (–2.2,	2007–201				–1.0* (–1.4,
USA	50–59	7	–1.2)	2	–0.1 (–0.9, 0.8)			–0.6)
		2000–200		2006–201	–3.4* (–4.0,			–1.9* (–2.2,
USA	60–69	6	–0.3 (–0.9, 0.2)	2	–2.9)			–1.6)
		2000–200		2005–200		2008–201	–1.9* (–2.9,	
USA	70–79	5	2.0* (1.3, 2.7)	8	–0.3 (–3.3, 2.8)	2	–1.0)	0.1 (–0.6, 0.8)
		2000–200		2003–200		2009–201	–3.0* (–4.5,	
USA	>80	3	4.3* (2.8, 5.9)	9	1.8* (1.1, 2.5)	2	–1.5)	1.2* (0.7, 1.7)
United		2000–200		2002–201				
Kingdom	ASIR	2	–1.6 (–4.3, 1.1)	2	2.0* (1.8, 2.2)			1.4* (1.0, 1.8)
United		2000–201						
Kingdom	<40	2	0.9 (–2.1, 4.0)					0.9 (–2.1, 4.0)
United	40–49	2000–201	–1.1* (–2.1,					–1.1* (–2.1,

Kingdom		2	-0.1)					-0.1)
United		2000–200		2006–201				
Kingdom	50–59	6	1.8* (0.5, 3.1)	2	0.1 (-1.2, 1.4)			1.0* (0.2, 1.7)
United		2000–200		2002–200		2005–201		
Kingdom	60–69	2	-3.4 (-8.0, 1.4)	5	4.0 (-1.0, 9.2)	2	2.3* (1.6, 2.9)	1.7* (0.6, 2.9)
United		2000–201						
Kingdom	70–79	2	0.9* (0.5, 1.3)					0.9* (0.5, 1.3)
United		2000–201						
Kingdom	>80	2	4.1* (3.5, 4.7)					4.1* (3.5, 4.7)
		2000–201						
Australia	ASIR	2	1.6* (1.1, 2.1)					1.6* (1.1, 2.1)
		2000–201						
Australia	<40	2	1.7 (-1.1, 4.6)					1.7 (-1.1, 4.6)
		2000–201						
Australia	40–49	2	-0.4 (-1.8, 1.0)					-0.4 (-1.8, 1.0)
		2000–201						
Australia	50–59	2	1.0 (-0.1, 2.1)					1.0 (-0.1, 2.1)

		2000–201		
Australia	60–69	2	1.7* (1.0, 2.4)	1.7* (1.0, 2.4)
		2000–201		
Australia	70–79	2	1.7* (1.3, 2.1)	1.7* (1.3, 2.1)
		2000–201		
Australia	>80	2	3.2* (2.2, 4.1)	3.2* (2.2, 4.1)

AAPC: Average annual percent change; APC: Annual percent change; ASIR: Age-standardized incidence rate; USA: The United States of America. *The APC or AAPC is significantly different from zero ($P < 0.05$). ASIR was calculated by using world Segi's standard population.