

SUPPLEMENTARY DATA

Table S1. Year by year mortality age-standardized mortality rates, regression slopes (annual rate of change) and p-values for all cause mortality, cancer, heart disease, cerebrovascular disease, and communicable diseases by sex and Chinese population (Hong Kong, Foreign-Born, and US-born) for the years 2003-2011.

		HONG KONG			FOREIGN BORN			US BORN		
ALL CAUSE		AR	LCI	UCI	AR	LCI	UCI	AR	LCI	UCI
FEMALE	2003	480.32	472.51	488.25	314.94	304.41	325.82	274.85	247.83	304.64
	2004	467.25	459.69	474.92	312.07	301.79	322.69	294.80	267.43	324.82
	2005	467.69	460.27	475.23	323.30	312.98	333.95	245.26	221.53	271.48
	2006	430.90	423.88	438.03	316.58	306.53	326.95	275.06	250.00	302.54
	2007	429.98	423.15	436.92	312.00	302.18	322.12	266.77	242.62	293.24
	2008	435.41	428.67	442.25	316.75	307.05	326.76	261.63	238.42	287.05
	2009	416.55	409.99	423.20	313.34	303.85	323.13	236.55	214.94	260.29
	2010	412.19	405.79	418.69	320.43	310.92	330.23	239.80	218.41	263.25
	2011	388.96	382.86	395.16	338.68	329.03	348.61	257.35	235.18	281.55
	Slope (p-value)	-10.47 (p<0.05)*			1.67 (0.13)			-4.43 (0.06)		
MALE	2003	843.97	832.22	855.86	470.07	455.49	485.09	426.50	390.13	465.93
	2004	838.96	827.45	850.62	460.49	446.32	475.07	386.44	352.71	423.09
	2005	828.35	817.14	839.70	485.26	470.93	500.00	390.37	357.97	425.51
	2006	774.99	764.36	785.76	473.29	459.35	487.63	402.06	369.47	437.31
	2007	798.80	788.25	809.48	460.43	446.92	474.31	364.61	334.21	397.58
	2008	783.53	773.26	793.94	466.40	453.02	480.15	348.49	319.55	379.87
	2009	749.35	739.46	759.36	455.13	442.10	468.53	358.16	328.77	389.97
	2010	749.44	739.73	759.27	462.28	449.30	475.62	401.12	370.84	433.69
	2011	713.06	703.75	722.49	479.69	466.67	493.05	380.00	351.40	410.80
	Slope (p-value)	-15.69 (p<0.05)*			-0.39 (0.78)			-4.33 (0.19)		
CANCER										
	FEMALE									
	2003	149.78	145.17	154.53	101.78	95.59	108.34	97.40	80.27	117.62
	2004	151.75	147.20	156.43	102.58	96.48	109.05	79.07	64.39	96.66

MALE	2005	152.56	148.06	157.20	108.11	101.93	114.63	74.83	61.21	91.18
	2006	144.30	139.99	148.74	101.91	96.00	108.15	103.68	87.33	122.70
	2007	139.47	135.30	143.75	103.95	98.07	110.15	87.72	72.92	105.12
	2008	140.40	136.29	144.63	107.75	101.87	113.96	79.41	66.08	95.16
	2009	142.97	138.86	147.19	102.95	97.30	108.92	77.91	64.68	93.55
	2010	139.42	135.43	143.51	111.78	105.94	117.92	70.11	57.73	84.82
	2011	137.04	133.13	141.04	120.94	114.92	127.25	89.04	75.14	105.19
	Slope (p-value)	-1.85 (p<0.05)*			1.66 (0.03)*			-1.31 (0.39)		
	2003	294.78	287.90	301.80	155.86	147.42	164.73	115.77	96.80	137.97
	2004	286.97	280.29	293.80	157.22	148.88	165.97	109.84	91.58	131.22
2005	289.27	282.67	296.00	166.45	158.00	175.31	95.43	79.15	114.64	
2006	275.14	268.82	281.60	159.65	151.51	168.20	110.41	92.92	130.76	
2007	272.20	266.04	278.50	165.31	157.16	173.84	99.39	83.28	118.25	
2008	261.51	255.54	267.60	157.35	149.51	165.56	90.10	75.58	107.18	
2009	257.82	252.00	263.77	156.29	148.59	164.34	92.85	77.89	110.35	
2010	253.57	247.90	259.37	161.03	153.32	169.09	107.18	91.33	125.46	
2011	248.34	242.79	254.01	165.24	157.52	173.31	101.46	86.41	118.85	
Slope (p-value)	-6.04 (p<0.05)*			0.44 (0.46)			-1.51 (0.20)			
HEART DISEASE										
FEMALE	2003	73.81	70.90	76.85	76.08	71.14	81.37	56.51	45.80	69.92
	2004	76.94	74.01	79.98	69.61	64.99	74.56	71.68	59.31	86.67
	2005	73.88	71.07	76.80	76.00	71.24	81.09	61.58	50.16	75.58
	2006	68.11	65.46	70.86	74.36	69.73	79.30	51.01	41.44	62.96
	2007	71.75	69.10	74.51	66.35	62.04	70.96	62.46	51.56	75.72
	2008	72.31	69.72	75.00	67.90	63.63	72.46	56.18	46.21	68.39
	2009	64.88	62.43	67.43	69.80	65.55	74.34	55.43	45.64	67.39
	2010	62.93	60.56	65.38	63.66	59.65	67.95	53.11	44.10	64.16
	2011	56.30	54.12	58.58	63.14	59.19	67.35	49.55	40.44	60.73
	Slope (p-value)	-2.10 (p<0.05)*			-1.49 (0.04)*			-1.51 (0.08)		

MALE	2003	112.71	108.45	117.12	112.42	105.45	119.83	130.00	110.47	152.63
	2004	120.86	116.53	125.33	109.31	102.54	116.49	115.94	97.74	137.16
	2005	114.80	110.67	119.08	108.46	101.81	115.51	119.02	101.36	139.50
	2006	104.81	100.93	108.82	112.28	105.62	119.33	120.30	103.12	140.15
	2007	114.75	110.80	118.83	102.24	96.00	108.85	104.66	88.67	123.29
	2008	116.37	112.47	120.40	106.71	100.42	113.37	117.57	100.75	136.93
	2009	109.40	105.67	113.25	99.64	93.65	106.00	102.40	87.09	120.18
	2010	109.56	105.89	113.36	95.48	89.72	101.60	109.13	93.59	127.04
	2011	100.75	97.30	104.32	92.10	86.53	98.01	102.11	87.67	118.81
		Slope (p-value)	-1.35 (0.09)			-2.43 (p<0.05)*			-2.80 (0.01)*	
CEREBROVASCULAR										
FEMALE	2003	51.03	48.59	53.59	34.34	30.99	38.05	27.40	19.59	38.16
	2004	46.37	44.09	48.78	34.08	30.80	37.71	29.58	21.58	40.41
	2005	46.41	44.17	48.77	29.22	26.23	32.55	18.81	13.06	27.23
	2006	42.45	40.34	44.67	31.38	28.29	34.80	16.62	10.91	25.06
	2007	41.09	39.06	43.22	27.70	24.90	30.82	26.26	19.79	35.09
	2008	41.92	39.90	44.04	28.31	25.48	31.46	23.60	17.13	32.47
	2009	36.42	34.56	38.37	27.23	24.48	30.28	16.02	11.14	23.21
	2010	36.07	34.25	37.99	28.12	25.41	31.12	19.18	13.83	26.72
	2011	32.65	30.95	34.44	29.69	26.91	32.76	14.99	10.40	21.74
		Slope (p-value)	-2.08 (p<0.5)*			-0.73 (0.02)*			-1.32 (0.05)	
MALE	2003	70.50	67.14	74.01	40.14	35.99	44.73	27.13	18.38	39.29
	2004	69.49	66.22	72.90	38.26	34.31	42.64	28.09	20.20	38.96
	2005	63.99	60.93	67.20	37.60	33.73	41.88	33.73	24.70	45.73
	2006	58.76	55.90	61.76	34.85	31.16	38.94	34.83	26.02	46.44
	2007	62.45	59.55	65.48	32.90	29.39	36.80	23.08	16.17	32.74
	2008	62.10	59.27	65.05	32.01	28.60	35.80	17.97	11.74	27.00
	2009	57.03	54.36	59.81	32.00	28.63	35.73	25.93	18.15	36.44
	2010	52.34	49.84	54.97	29.25	26.08	32.78	23.99	17.17	33.29
	2011	50.77	48.35	53.31	32.01	28.73	35.64	21.75	15.63	30.21

Slope (p-value)		-2.35 (p<0.05)*			-1.23 (p<0.05)*			-1.10 (0.12)		
COMMUNICABLE										
FEMALE	2003	61.20	58.61	63.91	18.05	15.67	20.79	18.05	15.67	20.79
	2004	56.67	54.27	59.19	21.87	19.26	24.82	21.87	19.26	24.82
	2005	60.63	58.20	63.18	20.93	18.42	23.78	20.93	18.42	23.78
	2006	54.32	52.07	56.68	19.74	17.36	22.46	19.74	17.36	22.46
	2007	57.61	55.37	59.95	20.14	17.78	22.83	20.14	17.78	22.83
	2008	60.80	58.55	63.15	22.35	19.89	25.13	22.35	19.89	25.13
	2009	55.77	53.63	58.00	18.94	16.73	21.44	18.94	16.73	21.44
	2010	59.62	57.44	61.89	18.04	15.87	20.50	18.04	15.87	20.50
	2011	56.83	54.76	58.99	18.27	16.17	20.64	18.27	16.17	20.64
		Slope (p-value)	-0.20 (0.57)			-0.20 (0.38)			-0.73 (0.05)	
MALE	2003	114.59	110.25	119.07	33.28	29.55	37.44	24.30	16.27	35.69
	2004	103.21	99.19	107.38	30.69	27.16	34.65	23.38	15.77	34.18
	2005	112.46	108.36	116.70	33.89	30.26	37.92	23.23	16.23	33.13
	2006	105.92	102.06	109.93	33.45	29.87	37.42	21.44	14.55	31.23
	2007	118.43	114.45	122.54	29.48	26.21	33.14	15.24	9.78	23.52
	2008	119.60	115.69	123.65	33.72	30.24	37.57	18.64	12.70	27.21
	2009	111.92	108.22	115.74	29.32	26.14	32.87	16.18	10.92	23.97
	2010	113.84	110.19	117.61	34.05	30.66	37.80	24.64	17.52	34.30
	2011	117.54	113.90	121.29	34.15	30.79	37.86	18.90	12.99	27.25
		Slope (p-value)	0.94 (0.21)			0.08 (0.78)			-0.58 (0.23)	

*Significant trends (p<0.05) are indicated in bold

Table S2. Year by year mortality age-standardized mortality rates, regression slopes (annual rate of change) and p-values for all cause mortality, cancer, heart disease, cerebrovascular disease, and communicable diseases by sex and Japanese population (Japan, Foreign-Born, and US-born) for the years 2003-2011.

ALL CAUSE		JAPAN			FOREIGN BORN			US BORN		
		AR	LCI	UCI	AR	LCI	UCI	AR	LCI	UCI
FEMALE	2003	428.27	426.87	429.67	378.23	354.32	403.98	333.43	314.28	354.64
	2004	421.76	420.38	423.15	394.92	370.22	421.48	345.80	326.33	367.33
	2005	423.98	422.61	425.36	404.01	379.18	430.70	358.64	338.57	380.78
	2006	411.52	410.18	412.87	397.60	373.27	423.78	349.50	329.90	371.19
	2007	404.82	403.49	406.15	421.44	396.51	448.21	326.74	308.36	347.19
	2008	402.56	401.24	403.87	422.14	397.57	448.52	351.80	332.84	372.83
	2009	388.39	387.10	389.68	435.58	410.66	462.32	360.91	340.98	382.94
	2010	392.71	391.43	393.99	474.60	448.52	502.52	324.85	307.05	344.72
	2011	406.83	405.51	408.15	536.36	508.06	566.52	352.40	333.11	373.80
		Slope (p-value)	-4.22 (p<0.05)*			15.99 (p<0.05)			0.33 (0.86)	
MALE	2003	847.69	845.38	850.00	556.58	495.32	624.43	592.63	565.37	621.90
	2004	828.51	826.26	830.77	547.85	486.92	615.42	597.54	570.35	626.73
	2005	836.27	834.04	838.50	627.43	560.55	701.10	613.93	586.15	643.72
	2006	805.57	803.41	807.74	663.32	595.26	738.09	608.71	581.53	637.90
	2007	792.95	790.83	795.08	619.26	553.45	691.81	596.70	569.62	625.80
	2008	786.54	784.45	788.63	590.96	526.95	661.72	600.38	573.30	629.49
	2009	763.39	761.35	765.44	660.87	591.65	736.97	589.55	563.15	617.97
	2010	769.45	767.43	771.48	660.54	592.36	735.52	601.87	574.94	630.83
	2011	772.38	770.37	774.40	599.09	533.90	671.14	600.55	573.50	629.64
		Slope (p-value)	-10.72 (p<0.05)*			8.38 (0.15)			-0.21 (0.85)	
CANCER										
FEMALE	2003	138.91	138.04	139.78	127.12	113.30	142.86	103.72	92.28	117.44
	2004	140.68	139.82	141.56	143.54	128.37	160.66	114.80	102.85	129.01
	2005	137.93	137.08	138.79	156.44	140.68	174.16	119.19	106.74	133.93

	2006	135.81	134.97	136.66	147.85	132.95	164.67	97.35	86.59	110.41
	2007	134.17	133.34	135.02	143.93	129.19	160.60	92.68	81.54	106.19
	2008	133.62	132.79	134.46	151.01	136.14	167.79	96.52	85.88	109.47
	2009	130.78	129.97	131.61	142.71	128.24	159.10	106.51	94.48	120.91
	2010	130.86	130.05	131.68	161.08	145.70	178.37	98.42	87.73	111.42
	2011	130.26	129.44	131.07	184.65	167.83	203.42	105.69	94.32	119.40
	Slope (p-value)	-1.34 (p<0.05)*			4.31 (0.02)*			-1.12 (0.35)		
MALE										
	2003	283.04	281.73	284.35	154.55	123.48	192.36	156.97	143.24	172.82
	2004	283.54	282.25	284.84	131.40	103.00	166.59	164.37	150.35	180.49
	2005	277.57	276.31	278.83	160.14	128.31	198.77	166.48	152.13	182.96
	2006	271.81	270.58	273.05	206.05	169.63	249.24	153.79	140.29	169.42
	2007	268.98	267.77	270.19	209.54	172.68	253.20	163.84	149.98	179.81
	2008	265.28	264.10	266.48	177.17	143.58	217.59	163.49	149.34	179.78
	2009	257.57	256.41	258.73	196.60	159.38	240.99	149.59	136.48	164.83
	2010	256.41	255.27	257.56	221.27	183.25	266.13	158.02	144.23	173.97
	2011	252.18	251.06	253.31	215.63	177.85	260.32	154.91	141.27	170.73
	Slope (p-value)	-4.19 (p<0.05)*			9.30 (p<0.05)*			-0.86 (0.28)		
HEART DISEASE										
FEMALE										
	2003	69.50	68.99	70.02	74.86	64.80	86.82	70.04	62.59	79.68
	2004	67.23	66.73	67.73	73.41	63.46	85.26	70.13	62.49	79.97
	2005	68.88	68.39	69.39	70.77	61.04	82.40	64.86	57.51	74.46
	2006	66.26	65.77	66.74	74.53	64.58	86.38	75.78	67.15	86.66
	2007	64.54	64.07	65.02	73.13	63.41	84.75	65.22	58.12	74.56
	2008	63.73	63.27	64.20	76.56	66.46	88.58	76.57	68.74	86.63
	2009	60.53	60.08	60.98	76.25	66.39	88.00	74.05	66.39	83.94
	2010	60.92	60.48	61.36	77.77	67.85	89.59	61.72	54.99	70.73
	2011	60.46	60.03	60.90	86.33	75.50	99.10	67.33	60.62	76.29
	Slope (p-value)	-1.24 (p<0.05)*			1.20 (0.02)*			-0.28 (0.70)		
MALE	2003	122.91	122.04	123.79	130.85	101.79	166.83	165.93	151.76	182.19

	2004	118.61	117.76	119.46	155.34	122.31	195.55	163.40	149.76	179.12
	2005	123.12	122.27	123.97	150.81	118.08	190.79	160.66	146.99	176.42
	2006	117.54	116.72	118.37	177.30	142.14	219.59	161.88	148.65	177.19
	2007	113.91	113.12	114.72	133.82	104.06	170.65	147.56	134.49	162.76
	2008	113.83	113.04	114.62	118.14	90.21	153.21	153.48	140.44	168.64
	2009	109.18	108.41	109.95	161.01	128.02	201.10	159.99	146.74	175.35
	2010	109.56	108.81	110.32	144.36	113.32	182.51	153.29	139.98	168.73
	2011	109.15	108.40	109.90	113.44	86.31	147.72	153.67	140.50	168.98
	Slope (p-value)	-1.90 (p<0.05)*			-2.36 (0.46)			-1.49 (0.05)		
CEREBROVASCULAR										
FEMALE	2003	57.56	57.08	58.03	33.22	26.41	42.06	35.40	29.81	43.37
	2004	54.41	53.96	54.88	31.33	24.62	40.12	34.08	28.32	42.27
	2005	52.99	52.54	53.44	28.20	21.91	36.57	35.79	29.95	44.05
	2006	49.08	48.65	49.51	26.31	20.04	34.73	30.97	25.51	38.92
	2007	46.52	46.11	46.94	38.57	31.43	47.71	30.51	25.45	38.04
	2008	44.57	44.16	44.97	29.81	23.50	38.19	27.44	22.80	34.58
	2009	41.25	40.87	41.64	35.27	28.61	43.92	25.12	20.92	31.88
	2010	39.59	39.21	39.96	40.08	32.76	49.41	22.60	18.52	29.28
	2011	38.80	38.43	39.17	36.81	29.72	45.95	29.32	24.27	36.92
	Slope (p-value)	-2.46 (p<0.05)*			0.97 (0.12)			-1.39 (p<0.05)*		
MALE	2003	96.00	95.24	96.77	60.09	41.21	86.07	41.57	35.27	50.12
	2004	90.18	89.45	90.91	35.22	21.52	56.11	42.22	35.85	50.85
	2005	89.51	88.80	90.23	52.80	34.81	78.14	43.90	37.15	52.93
	2006	83.46	82.78	84.15	27.56	14.52	48.63	40.25	34.03	48.75
	2007	80.07	79.41	80.74	42.30	26.55	65.48	38.61	32.57	46.95
	2008	77.33	76.69	77.97	36.88	21.36	60.36	38.83	32.24	47.79
	2009	72.73	72.12	73.35	47.06	30.15	71.43	35.31	29.52	43.45
	2010	71.48	70.88	72.09	43.93	27.54	67.90	35.07	29.06	43.46
	2011	68.24	67.66	68.83	41.93	26.15	65.24	38.92	32.80	47.39

Slope (p-value)		-3.45 (p<0.05)*			-0.81 (0.55)			-0.84 (0.01)*		
COMMUNICABLE										
FEMALE	2003	44.36	43.97	44.76	25.20	19.55	32.88	19.34	15.47	25.78
	2004	42.41	42.03	42.79	20.40	15.34	27.54	18.44	14.14	25.39
	2005	45.16	44.78	45.55	22.99	17.72	30.30	20.16	15.83	27.10
	2006	43.35	42.98	43.73	20.57	15.75	27.44	20.00	15.11	27.59
	2007	41.86	41.50	42.22	21.31	16.22	28.47	17.84	13.89	24.47
	2008	41.71	41.35	42.07	23.68	18.61	30.75	19.86	15.19	27.23
	2009	39.08	38.74	39.43	19.59	14.92	26.32	17.78	13.26	25.07
	2010	39.26	38.92	39.60	27.31	21.16	35.57	18.82	14.67	25.67
	2011	39.61	39.27	39.95	29.68	23.34	38.10	14.31	11.45	20.00
	Slope (p-value)		-0.70 (p<0.05)*			0.58 (0.21)			-0.40 (0.09)	
MALE	2003	95.28	94.54	96.03	34.95	20.69	56.69	31.00	25.09	39.29
	2004	92.11	91.40	92.84	33.84	20.19	54.84	30.39	24.89	38.23
	2005	98.07	97.34	98.80	31.54	17.39	53.65	32.90	26.93	41.24
	2006	92.28	91.59	92.98	35.09	21.14	56.41	34.54	28.66	42.75
	2007	90.61	89.94	91.28	39.56	24.26	62.37	26.87	22.23	33.88
	2008	89.74	89.09	90.40	41.26	23.92	66.95	33.19	27.37	41.38
	2009	84.28	83.66	84.91	19.75	9.36	38.20	28.22	23.34	35.49
	2010	85.71	85.09	86.33	33.55	18.80	56.39	29.95	24.86	37.43
2011	85.56	84.96	86.18	25.95	13.49	46.49	28.27	23.45	35.49	
Slope (p-value)		-1.47 (p<0.05)*			-0.90 (0.32)			-0.38 (0.28)		

*Significant trends (p<0.05) are indicated in bold