

Table S1 Age-standardized incidence rates of lymphoma by age and sex in 2016 (per 100,000

population)

Age groups (year)	Hodgkin lymphoma			Non-Hodgkin lymphoma		
	Both	Male	Female	Both	Male	Female
0	0.28 (0.16–0.40)	0.31 (0.18–0.48)	0.25 (0.10–0.39)	0.00	0.00	0.00
1–	0.22 (0.13–0.31)	0.24 (0.15–0.38)	0.19 (0.10–0.28)	1.26 (1.05–1.42)	1.34 (1.06–1.60)	1.17 (0.93–1.39)
5–	0.19 (0.13–0.27)	0.25 (0.15–0.41)	0.12 (0.07–0.16)	0.82 (0.68–0.93)	0.96 (0.75–1.12)	0.66 (0.54–0.77)
10–	0.15 (0.11–0.23)	0.20 (0.12–0.35)	0.10 (0.07–0.13)	0.80 (0.68–0.89)	0.90 (0.76–1.06)	0.67 (0.54–0.78)
15–	0.22 (0.16–0.32)	0.27 (0.16–0.45)	0.17 (0.12–0.26)	0.87 (0.77–1.00)	1.04 (0.92–1.24)	0.68 (0.56–0.83)
20–	0.36 (0.27–0.53)	0.44 (0.27–0.74)	0.27 (0.20–0.41)	0.98 (0.84–1.07)	1.18 (0.98–1.32)	0.75 (0.63–0.90)
25–	0.32 (0.24–0.45)	0.38 (0.24–0.63)	0.26 (0.18–0.38)	1.23 (1.03–1.34)	1.42 (1.13–1.60)	1.02 (0.87–1.16)
30–	0.33 (0.24–0.47)	0.42 (0.26–0.67)	0.23 (0.16–0.33)	1.80 (1.49–1.97)	2.06 (1.61–2.31)	1.53 (1.28–1.76)
35–	0.26 (0.20–0.38)	0.32 (0.22–0.52)	0.19 (0.14–0.30)	2.22 (1.86–2.45)	2.58 (2.04–2.93)	1.85 (1.48–2.16)

40-	0.29 (0.21-0.39)	0.37 (0.25-0.58)	0.19 (0.14-0.28)	3.29 (2.76-3.62)	4.06 (3.22-4.58)	2.49 (2.06-2.89)
45-	0.45 (0.33-0.62)	0.65 (0.44-1.00)	0.24 (0.16-0.33)	5.62 (4.45-6.20)	7.35 (5.27-8.38)	3.84 (3.35-4.34)
50-	0.69 (0.50-0.93)	0.98 (0.65-1.47)	0.38 (0.23-0.53)	8.21 (6.52-8.98)	10.63 (7.67-11.86)	5.72 (4.83-6.41)
55-	0.85 (0.61-1.14)	1.32 (0.87-1.88)	0.37 (0.24-0.53)	10.37 (8.05-11.32)	13.72 (9.77-15.34)	6.91 (5.77-7.64)
60-	1.20 (0.85-1.64)	1.92 (1.25-2.75)	0.47 (0.30-0.68)	12.61 (10.10-13.71)	15.85 (11.42-17.66)	9.32 (8.04-10.30)
65-	1.28 (0.95-1.68)	2.00 (1.36-2.79)	0.57 (0.40-0.90)	14.62 (11.45-15.93)	19.09 (13.58-21.32)	10.22 (8.62-11.26)
70-	1.33 (0.97-1.79)	2.07 (1.41-2.95)	0.60 (0.44-0.91)	16.78 (13.49-18.14)	21.48 (15.91-23.64)	12.18 (10.24-13.58)
75-	1.25 (0.90-1.56)	1.80 (1.20-2.36)	0.74 (0.51-1.08)	16.00 (13.50-17.22)	20.03 (15.55-22.03)	12.27 (10.53-13.51)
80-	1.12 (0.80-1.43)	1.53 (0.97-2.04)	0.78 (0.49-1.14)	14.11 (11.89-15.31)	17.65 (13.56-19.61)	11.08 (9.52-12.12)
85-	1.14 (0.84-1.50)	1.69 (1.15-2.27)	0.77 (0.50-1.17)	15.18 (13.25-16.43)	19.39 (15.04-21.94)	12.36 (10.81-13.43)
90-	1.05 (0.68-1.29)	1.63 (0.98-2.18)	0.78 (0.43-1.05)	17.14 (15.73-18.88)	21.22 (17.39-25.16)	15.12 (13.39-16.68)

95-	1.20	1.95	0.76	21.02	28.13	18.55
	(0.75-1.46)	(1.16-2.57)	(0.50-1.22)	(19.12-23.14)	(22.29-33.86)	(15.86-20.33)

Data in parentheses are 95% uncertainty intervals.

Table S2 Age-standardized mortality rates of lymphoma by age and sex in 2016 (per 100,000

population)

Age groups (year)	Hodgkin lymphoma			Non-Hodgkin lymphoma		
	Both	Male	Female	Both	Male	Female
0	0.05 (0.04–0.07)	0.07 (0.05–0.09)	0.04 (0.02–0.05)	0.70 (0.57–0.83)	0.73 (0.55–0.88)	0.67 (0.53–0.92)
1–	0.03 (0.02–0.04)	0.04 (0.03–0.06)	0.02 (0.01–0.03)	0.42 (0.35–0.52)	0.47 (0.38–0.59)	0.36 (0.29–0.48)
5–	0.03 (0.03–0.05)	0.05 (0.04–0.07)	0.02 (0.01–0.02)	0.32 (0.27–0.37)	0.39 (0.32–0.47)	0.24 (0.20–0.29)
10–	0.03 (0.03–0.05)	0.05 (0.04–0.07)	0.02 (0.01–0.03)	0.36 (0.32–0.41)	0.43 (0.37–0.51)	0.28 (0.24–0.34)
15–	0.05 (0.04–0.07)	0.06 (0.05–0.10)	0.03 (0.02–0.05)	0.41 (0.36–0.47)	0.51 (0.45–0.61)	0.29 (0.24–0.36)
20–	0.06 (0.05–0.09)	0.08 (0.06–0.12)	0.04 (0.03–0.06)	0.54 (0.46–0.61)	0.67 (0.55–0.76)	0.39 (0.32–0.49)
25–	0.07 (0.06–0.10)	0.09 (0.07–0.13)	0.05 (0.04–0.08)	0.61 (0.51–0.67)	0.72 (0.57–0.82)	0.48 (0.42–0.56)
30–	0.09 (0.07–0.12)	0.12 (0.08–0.17)	0.05 (0.04–0.08)	0.70 (0.58–0.77)	0.85 (0.66–0.94)	0.54 (0.47–0.64)
35–	0.08 (0.07–0.11)	0.11 (0.08–0.16)	0.06 (0.04–0.09)	0.85 (0.72–0.94)	1.05 (0.84–1.17)	0.65 (0.54–0.77)

40-	0.11 (0.09–0.15)	0.14 (0.11–0.22)	0.07 (0.05–0.11)	1.30 (1.09–1.44)	1.70 (1.34–1.93)	0.89 (0.75–1.03)
45-	0.16 (0.14–0.23)	0.23 (0.18–0.35)	0.09 (0.06–0.13)	2.19 (1.70–2.41)	3.05 (2.15–3.46)	1.30 (1.15–1.46)
50-	0.24 (0.19–0.33)	0.32 (0.24–0.46)	0.16 (0.10–0.24)	3.41 (2.63–3.76)	4.78 (3.37–5.36)	2.00 (1.73–2.25)
55-	0.35 (0.27–0.46)	0.50 (0.37–0.69)	0.20 (0.14–0.30)	5.04 (3.84–5.57)	7.14 (4.98–8.03)	2.87 (2.43–3.20)
60-	0.53 (0.42–0.70)	0.75 (0.53–1.05)	0.29 (0.19–0.44)	6.91 (5.47–7.57)	9.25 (6.76–10.33)	4.53 (3.95–5.04)
65-	0.72 (0.58–0.97)	1.02 (0.74–1.42)	0.43 (0.31–0.69)	9.59 (7.54–10.50)	13.06 (9.24–14.57)	6.17 (5.28–6.86)
70-	0.91 (0.70–1.23)	1.31 (0.94–1.94)	0.52 (0.38–0.80)	12.10 (9.73–13.14)	16.17 (12.03–17.82)	8.12 (6.95–9.15)
75-	0.94 (0.70–1.19)	1.23 (0.83–1.63)	0.66 (0.47–0.99)	13.01 (10.94–14.11)	17.18 (13.65–19.02)	9.17 (7.94–10.20)
80-	1.10 (0.81–1.44)	1.41 (0.91–1.90)	0.84 (0.53–1.23)	14.09 (11.83–15.48)	18.66 (14.56–21.10)	10.16 (8.78–11.29)
85-	1.09 (0.83–1.45)	1.50 (1.04–2.06)	0.83 (0.54–1.25)	14.61 (12.61–16.08)	19.97 (15.54–22.79)	11.02 (9.66–12.13)
90-	0.98 (0.68–1.23)	1.37 (0.89–1.87)	0.78 (0.45–1.07)	15.61 (14.20–17.52)	21.04 (17.58–25.32)	12.92 (11.47–14.23)

95-	1.14	1.62	0.97	18.85	27.89	15.72
	(0.72-1.37)	(1.01-2.05)	(0.53-1.27)	(17.21-21.19)	(22.80-34.36)	(13.77-17.44)

Data in parentheses are 95% uncertainty intervals.

Table S3 Age-standardized incidence, mortality and prevalence rates of lymphoma by province of China in 2016 (per 100,000 population)

Province	Hodgkin lymphoma			Non-Hodgkin lymphoma		
	Incidence	Mortality	Prevalence	Incidence	Mortality	Prevalence
Anhui	0.34 (0.24–0.45)	0.22 (0.16–0.28)	1.07 (0.74–1.51)	5.10 (3.44–5.89)	3.00 (2.08–3.57)	17.38 (11.37–20.38)
Beijing	0.77 (0.53–1.01)	0.11 (0.07–0.13)	3.50 (2.39–4.68)	7.55 (6.46–8.30)	2.49 (1.93–2.93)	30.31 (25.90–33.50)
Chongqing	0.32 (0.23–0.56)	0.16 (0.12–0.26)	1.16 (0.77–2.11)	3.07 (2.81–3.33)	2.17 (1.87–2.51)	9.86 (8.98–10.72)
Fujian	0.46 (0.29–0.67)	0.18 (0.13–0.22)	1.75 (1.05–2.71)	3.91 (3.24–4.35)	2.42 (2.00–2.81)	13.26 (10.76–14.83)
Gansu	0.24 (0.18–0.43)	0.18 (0.13–0.32)	0.73 (0.52–1.30)	2.51 (2.18–2.73)	2.17 (1.87–2.51)	7.21 (6.12–7.91)
Guangdong	0.55 (0.39–0.83)	0.14 (0.12–0.19)	2.30 (1.56–3.57)	5.72 (5.17–6.80)	2.06 (1.76–2.53)	22.43 (20.19–26.53)
Guangxi	0.45 (0.34–0.66)	0.24 (0.19–0.33)	1.58 (1.12–2.50)	3.48 (2.77–3.87)	2.51 (2.04–2.92)	10.98 (8.65–12.29)
Guizhou	0.24 (0.15–0.52)	0.20 (0.12–0.45)	0.70 (0.43–1.46)	2.81 (2.19–3.12)	2.58 (2.11–3.03)	7.86 (5.89–8.76)
Hainan	0.33 (0.21–0.64)	0.15 (0.10–0.29)	1.24 (0.73–2.44)	3.04 (2.79–3.48)	2.06 (1.78–2.52)	9.99 (9.11–11.18)

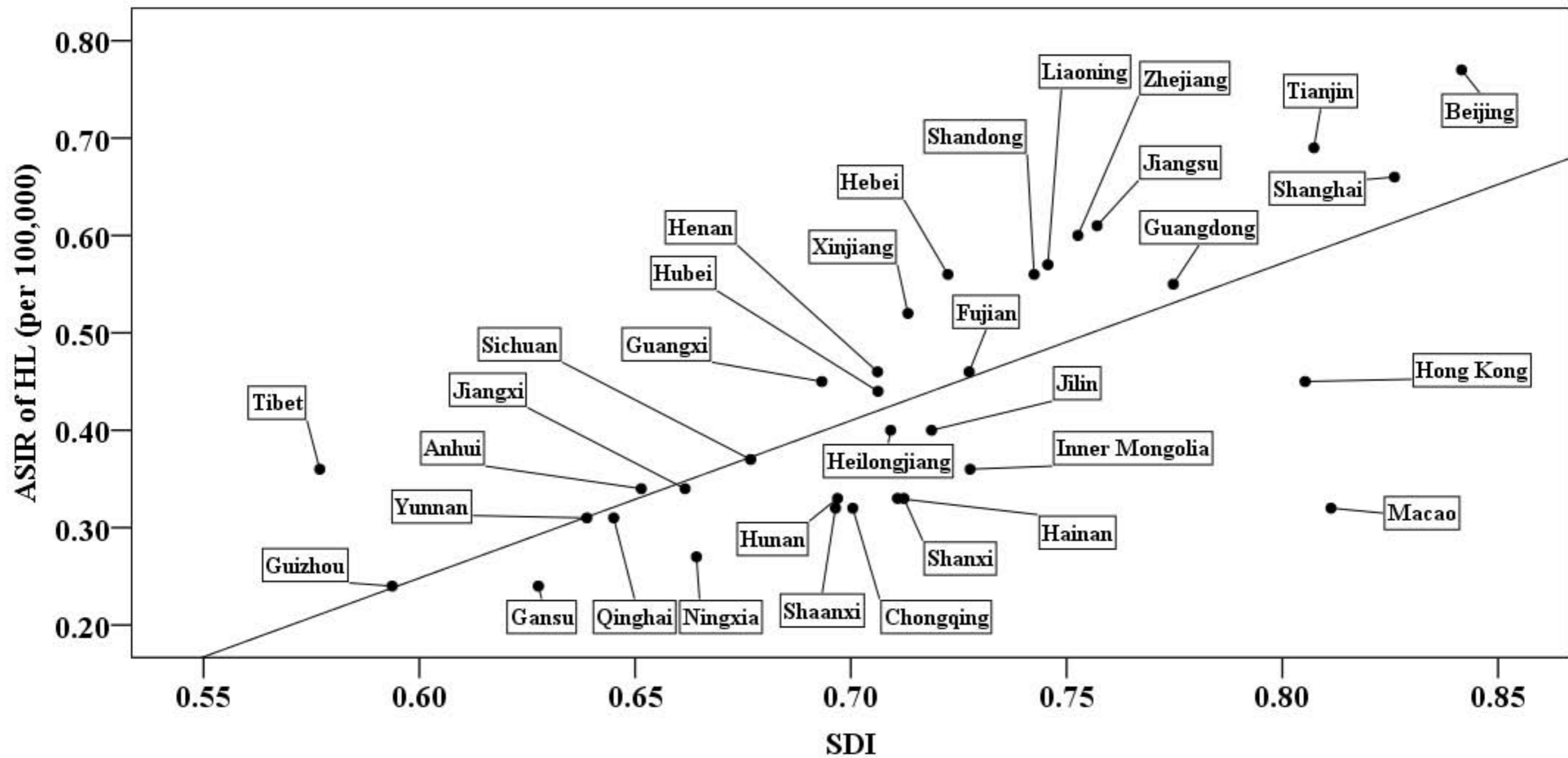
Hebei	0.56 (0.34–0.81)	0.24 (0.15–0.29)	2.12 (1.24–3.26)	3.78 (3.05–4.20)	2.40 (1.86–2.80)	12.58 (10.04–14.04)
Heilongjiang	0.40 (0.29–0.64)	0.19 (0.15–0.27)	1.47 (1.02–2.40)	3.25 (2.95–3.71)	2.26 (1.95–2.60)	10.51 (9.42–11.75)
Henan	0.46 (0.32–0.68)	0.22 (0.17–0.28)	1.67 (1.10–2.65)	3.26 (2.86–3.65)	2.22 (1.89–2.57)	10.48 (9.17–11.59)
Hubei	0.44 (0.30–0.62)	0.21 (0.16–0.26)	1.58 (1.03–2.42)	5.14 (4.24–5.63)	2.56 (2.12–2.92)	18.57 (15.15–20.53)
Hunan	0.33 (0.23–0.56)	0.17 (0.13–0.28)	1.18 (0.78–2.10)	4.16 (2.93–4.73)	2.96 (2.10–3.46)	13.25 (9.04–15.17)
Inner Mongolia	0.36 (0.24–0.68)	0.14 (0.11–0.24)	1.38 (0.86–2.73)	3.91 (3.24–4.33)	2.46 (1.98–2.89)	13.20 (10.83–14.65)
Jiangsu	0.61 (0.29–0.95)	0.19 (0.09–0.25)	2.51 (1.14–4.13)	4.91 (4.00–5.42)	2.52 (1.97–2.94)	17.72 (14.34–19.68)
Jiangxi	0.34 (0.26–0.50)	0.22 (0.17–0.28)	1.14 (0.81–1.75)	3.16 (2.47–3.50)	2.53 (2.01–2.92)	9.63 (7.35–10.75)
Jilin	0.40 (0.29–0.60)	0.18 (0.15–0.25)	1.49 (1.01–2.38)	3.60 (2.92–3.96)	2.40 (1.89–2.79)	11.83 (9.61–13.07)
Liaoning	0.57 (0.32–0.87)	0.20 (0.12–0.25)	2.26 (1.21–3.66)	6.27 (4.94–7.02)	2.70 (2.05–3.16)	23.72 (18.73–26.72)
Ningxia	0.27 (0.19–0.47)	0.17 (0.12–0.29)	0.90 (0.61–1.59)	2.81 (2.58–3.04)	2.23 (1.93–2.57)	8.56 (7.67–9.25)

Qinghai	0.31 (0.19–0.69)	0.22 (0.13–0.48)	0.99 (0.57–2.19)	3.05 (2.54–3.33)	2.60 (2.18–3.01)	8.90 (7.25–9.73)
Shaanxi	0.32 (0.22–0.56)	0.16 (0.12–0.28)	1.14 (0.74–2.11)	2.91 (2.66–3.22)	2.10 (1.80–2.45)	9.26 (8.41–10.12)
Shandong	0.56 (0.34–0.83)	0.19 (0.13–0.23)	2.21 (1.30–3.41)	4.18 (3.57–4.60)	2.27 (1.86–2.63)	14.73 (12.60–16.34)
Shanghai	0.66 (0.45–0.93)	0.10 (0.07–0.12)	2.95 (1.99–4.27)	8.36 (6.04–9.40)	2.84 (1.98–3.38)	33.47 (24.10–37.84)
Shanxi	0.33 (0.23–0.57)	0.15 (0.12–0.26)	1.22 (0.80–2.16)	3.56 (3.10–3.87)	2.41 (2.01–2.79)	11.57 (9.94–12.66)
Sichuan	0.37 (0.29–0.54)	0.22 (0.18–0.31)	1.25 (0.92–1.96)	3.33 (2.73–3.65)	2.55 (2.10–2.98)	10.20 (8.21–11.27)
Tianjin	0.69 (0.47–1.02)	0.13 (0.10–0.17)	3.02 (2.03–4.55)	7.57 (6.45–8.39)	2.74 (2.20–3.19)	29.92 (25.51–33.30)
Tibet	0.36 (0.24–0.74)	0.33 (0.21–0.69)	1.00 (0.68–2.03)	3.48 (2.32–4.00)	3.49 (2.34–4.22)	9.65 (6.18–11.20)
Xinjiang	0.52 (0.35–0.95)	0.24 (0.18–0.39)	1.94 (1.22–3.70)	3.25 (2.94–4.13)	2.25 (1.92–2.84)	10.62 (9.55–13.27)
Yunnan	0.31 (0.23–0.55)	0.22 (0.16–0.40)	0.96 (0.69–1.71)	2.71 (2.31–2.96)	2.31 (1.98–2.68)	7.87 (6.62–8.62)
Zhejiang	0.60 (0.27–0.97)	0.19 (0.10–0.25)	2.44 (1.06–4.18)	5.27 (4.61–5.79)	2.14 (1.80–2.50)	20.18 (17.56–22.28)

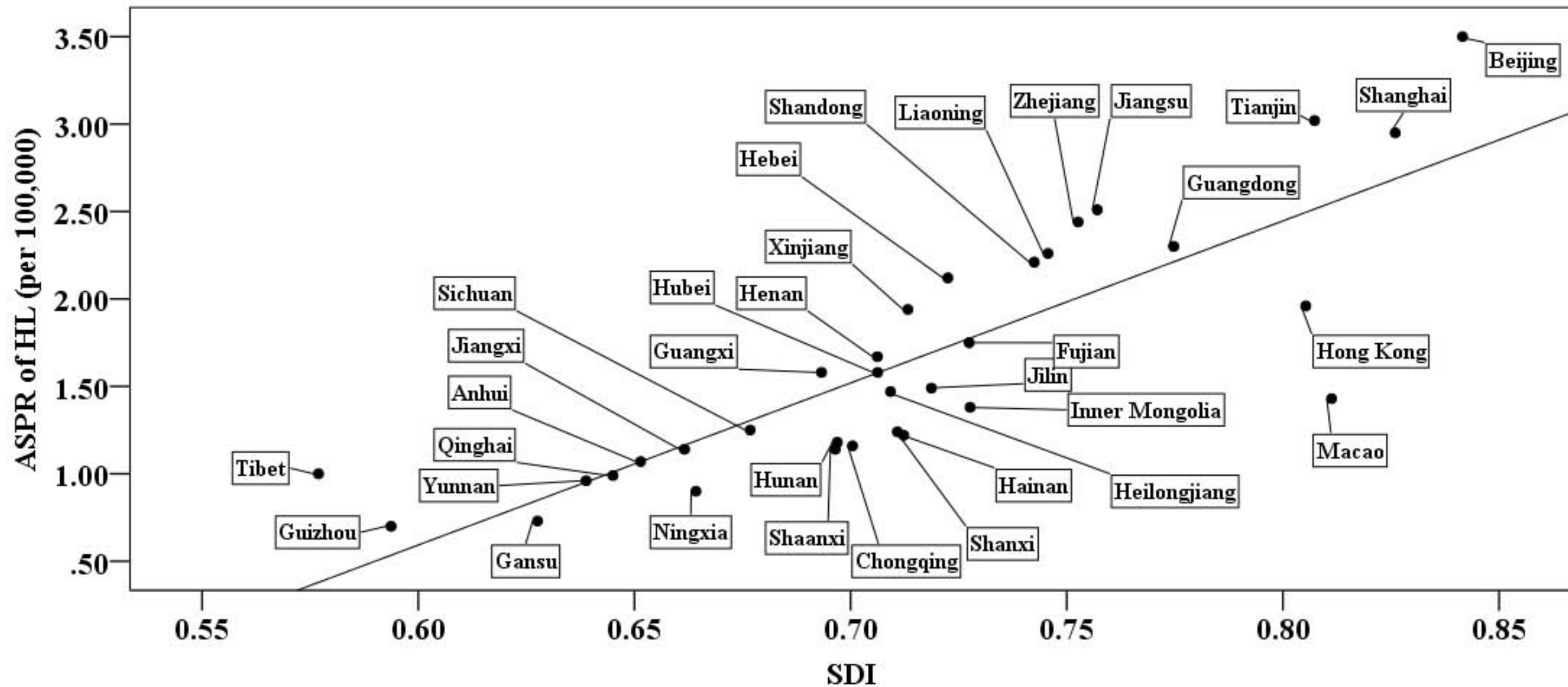
Hong Kong*	0.45	0.09	1.96	7.78	3.43	29.47
	(0.32–0.62)	(0.07–0.12)	(1.36–2.77)	(4.85–8.98)	(2.20–4.08)	(18.67–34.03)
Macao*	0.32	0.06	1.43	5.22	2.21	19.68
	(0.21–0.63)	(0.04–0.11)	(0.91–2.81)	(3.44–6.45)	(1.42–2.77)	(13.08–24.60)

*special administrative regions.

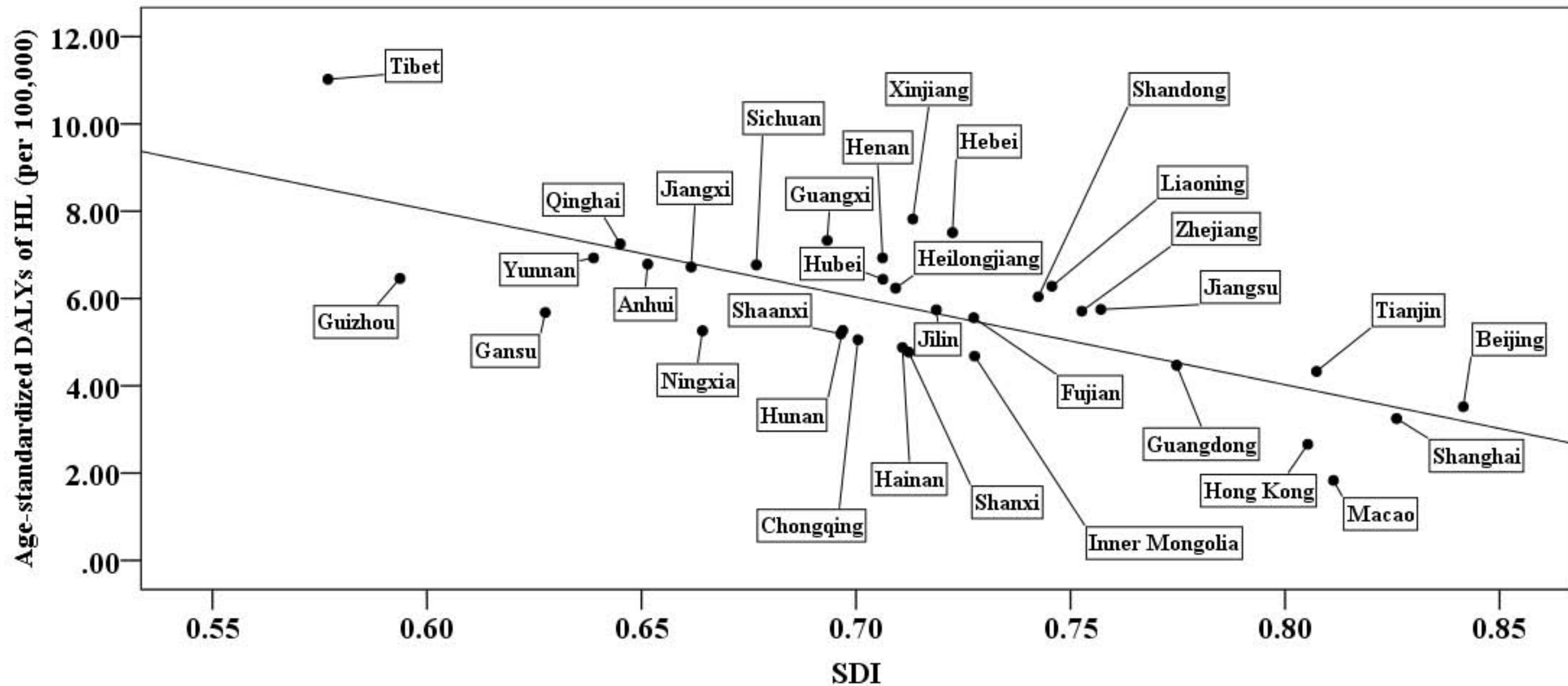
Data in parentheses are 95% uncertainty intervals.



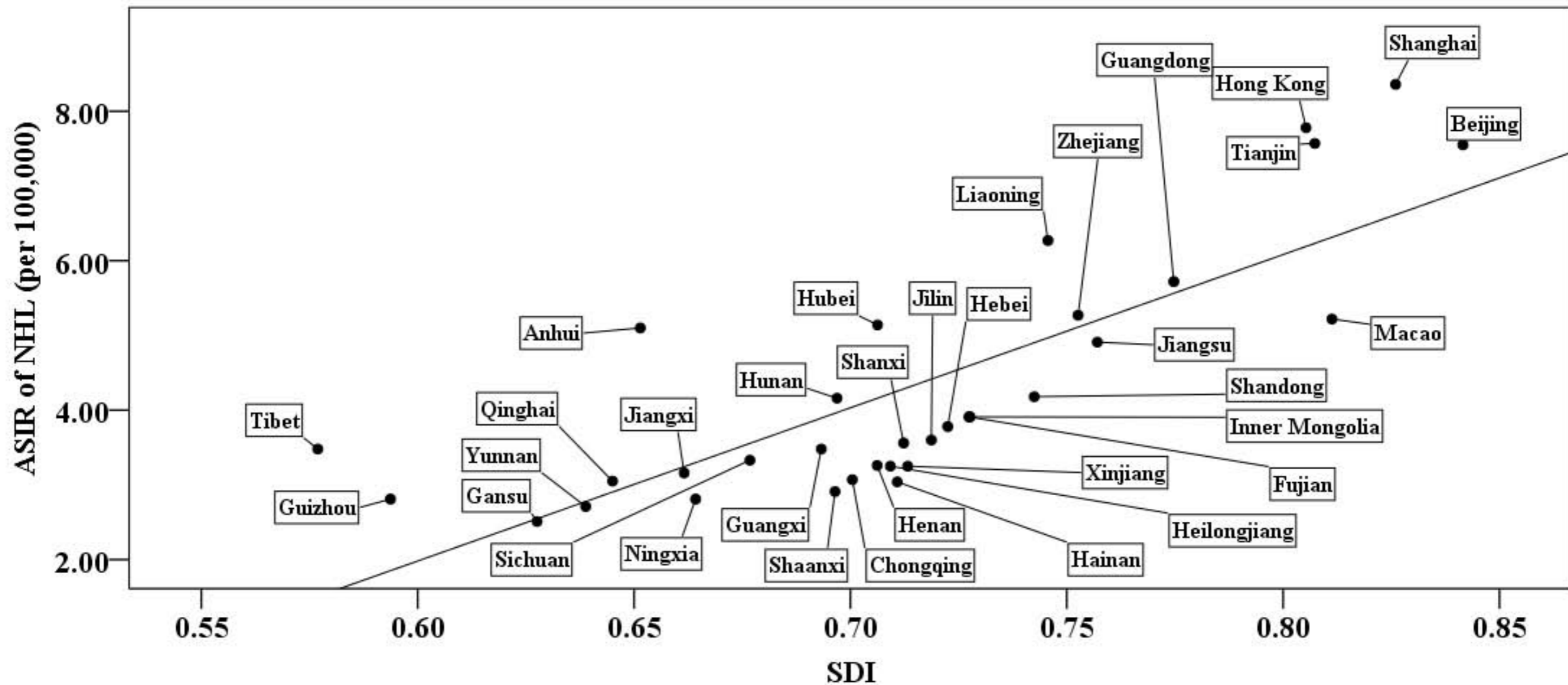
(A)



(C)

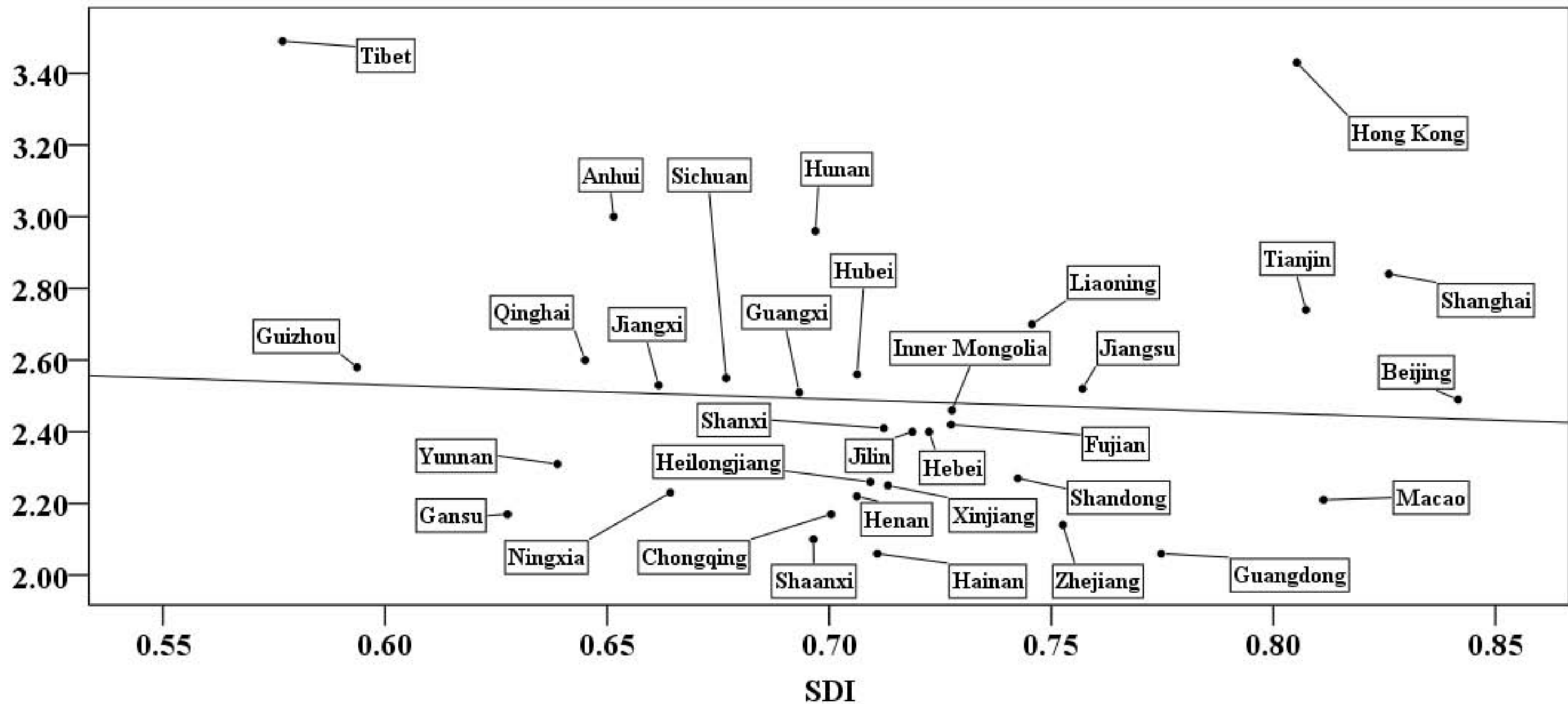


(D)

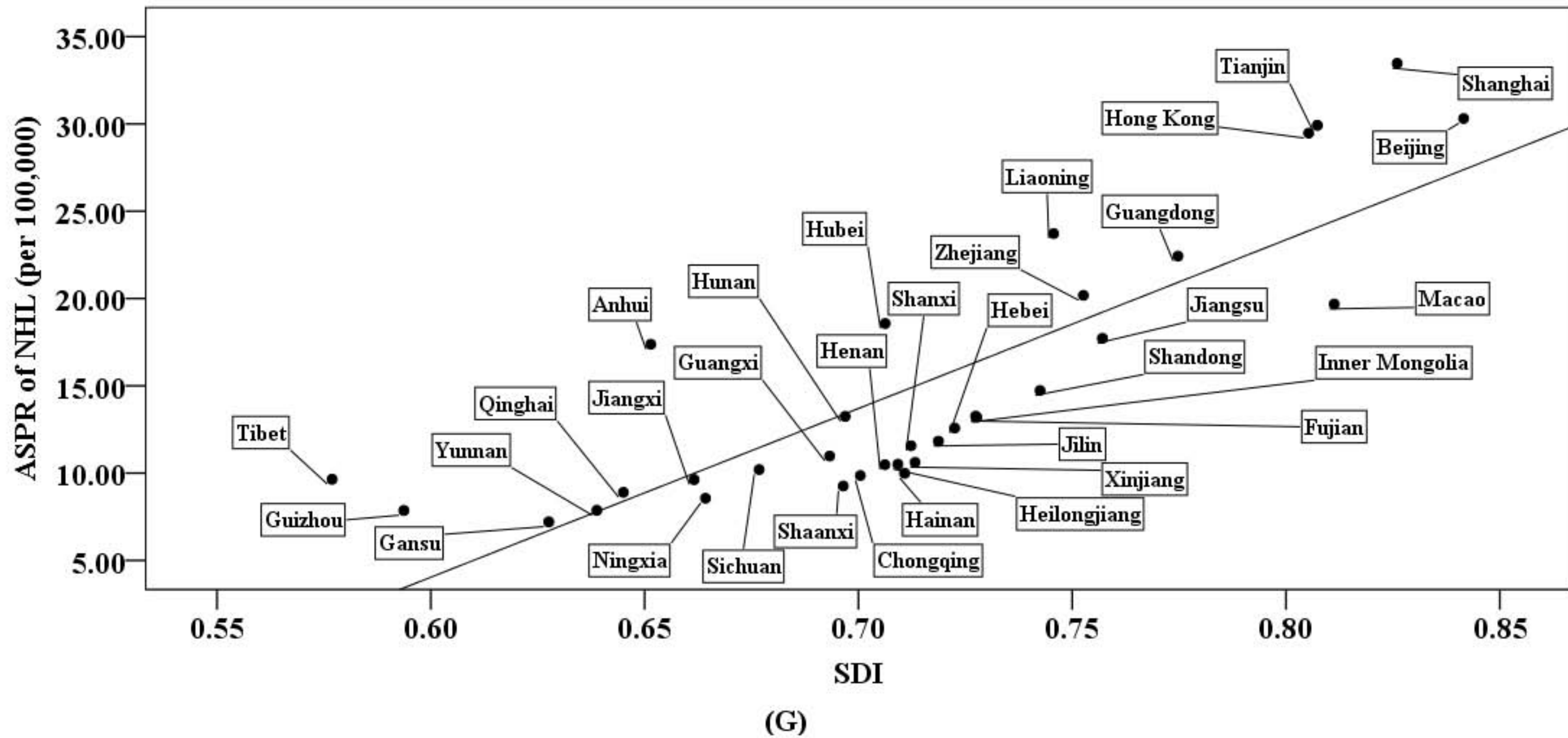


(E)

ASMR of NHL (per 100,000)



(F)



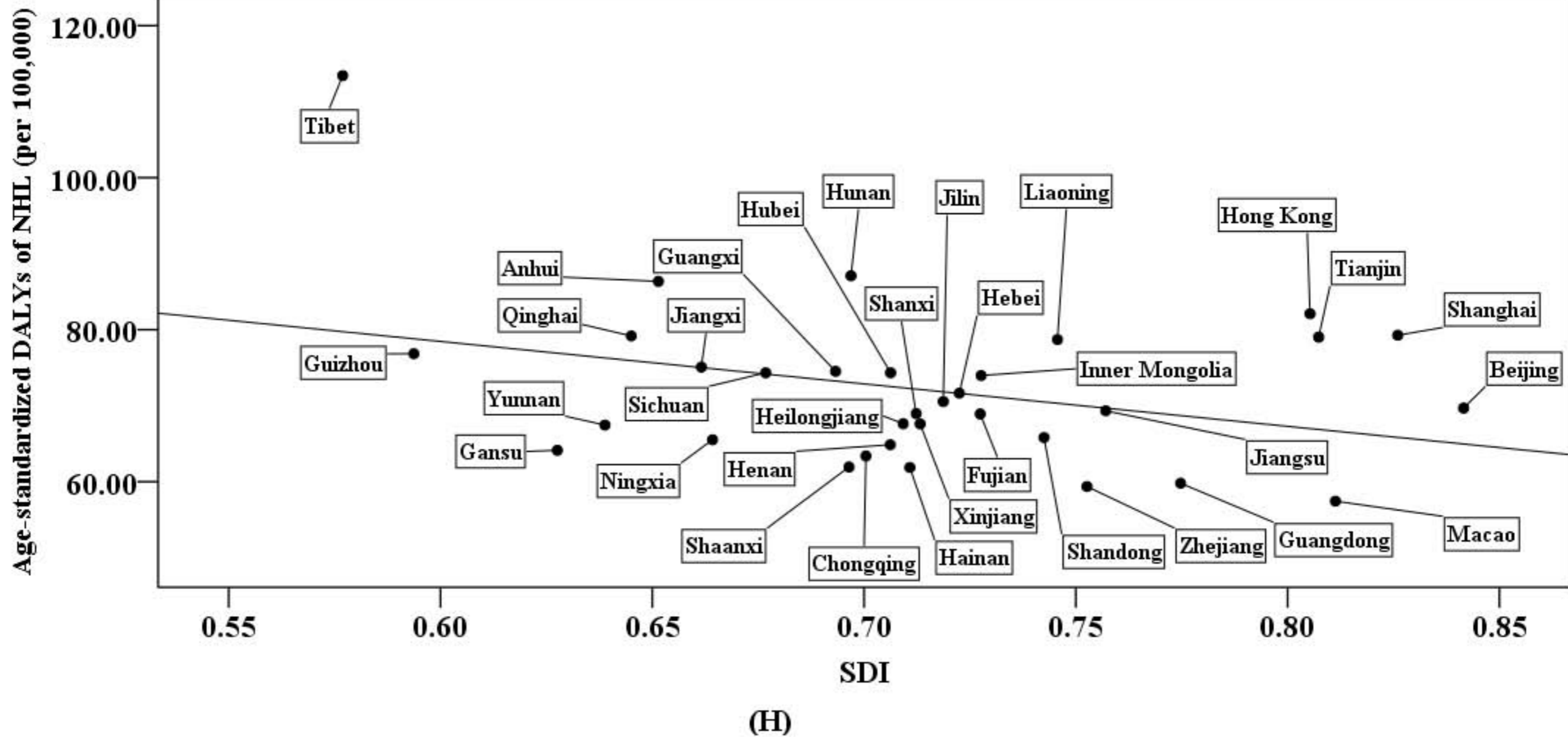


Figure S1. Relation between lymphoma burden and socio-demographic index (SDI) at provincial level (A) age-standardized incidence rate (ASIR) of Hodgkin lymphoma (HL) vs. SDI, (B) age-standardized mortality rate (ASMR) of HL vs. SDI, (C) age-standardized prevalence rate (ASPR) of HL vs. SDI, (D) age-standardized disability-adjusted life years (DALYs) of HL vs. SDI, (E) ASIR of non-Hodgkin lymphoma (NHL) vs. SDI, (F) ASMR of NHL vs. SDI, (G) ASPR of NHL vs. SDI, (H) age-standardized DALYs of NHL vs. SDI