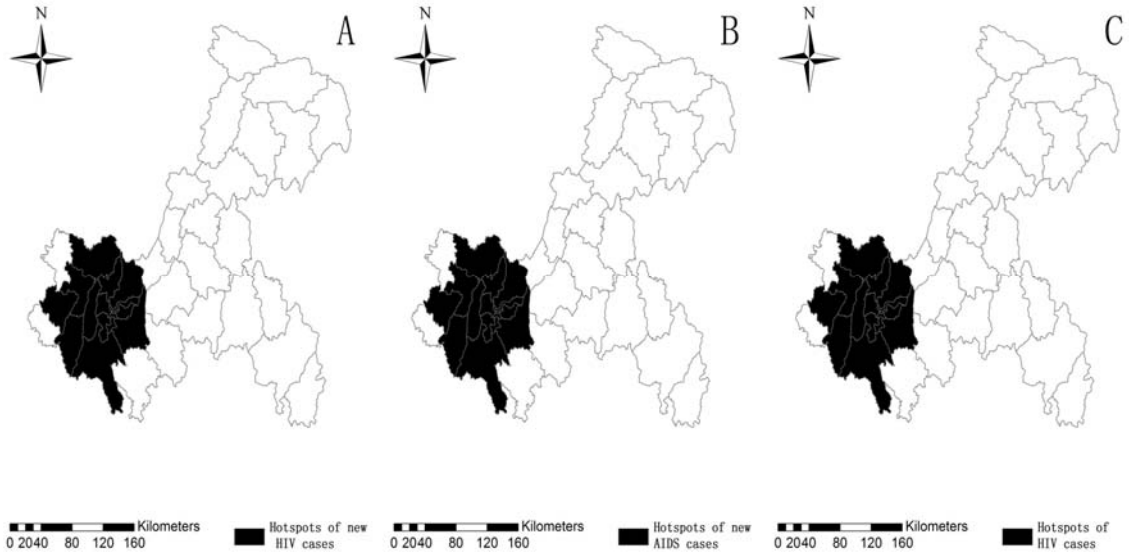


Appendix 1. Hotspots based on the number of new HIV/AIDS cases and the number of people living with HIV in Chongqing.

County	A	A/100,000	A-G _i *	B	B/100,000	B-G _i *	C	C/10,000	C-G _i *
Dadukou	33	12.38	4.726	10	3.52	4.059	139	50.48	4.611
Jiulongpo	80	8.05	4.704	48	4.70	4.182	401	39.48	4.524
Shapingba	77	9.64	4.680	69	8.50	4.106	403	49.66	4.457
Yuzhong	122	19.35	4.568	53	8.28	3.978	582	91.68	4.352
Bishan	57	10.20	4.549	25	4.44	3.920	318	56.19	4.331
Yongchuan	89	8.58	3.489	28	2.66	3.324	382	36.79	3.484
Tongliang	40	5.79	3.465	6	0.87	2.699	155	22.57	3.151
Banan	49	5.50	3.303	26	2.87	3.227	220	24.49	3.338
Beibei	110	16.24	3.282	49	7.23	2.854	608	89.39	3.072
Nanan	77	10.51	3.175	27	3.67	3.055	314	42.16	3.145
Hechuan	50	4.01	3.107	20	1.61	2.689	210	16.74	2.943
Jiangjin	171	14.14	3.046	90	7.44	3.067	905	74.57	3.136
Dazu	160	21.92	2.708	67	9.13	2.323	728	99.12	2.654
Yubei	77	7.97	2.506	45	4.46	2.210	341	34.04	2.334
Jiangbei	98	14.01	2.251	24	3.40	1.973	395	55.95	2.067

Notes: A: the average annual number of new HIV cases; A-G_i *: hotspot value of new HIV cases; B: the average annual number of new AIDS cases; B-G_i *: hotspot value of new AIDS cases; C: the average annual number of cases living with HIV; C-G_i *: hotspot value of cases living with HIV. The hotspot values in the table all had P < 0.05.

Appendix 2: The distribution of hotspots in Chongqing, China, from 2006-2012 by (A) the average annual number of new HIV cases, (B) the average annual number of new AIDS cases, and (C) the annual average number of people living with HIV/AIDS.



Appendix 3. Space-time cluster analyses for Chongqing, China, from 2006- 2012.

Variables			Most likely clusters	Secondary clusters				
				1	2	3	4	5
New HIV cases	Cluster time	2010-2012	2010-2012	2010-2012	2011-2012	2012	2012	-
	Cluster (n)	5	5	1	4	1	-	-
New AIDS cases	Cluster time	2010-2012	2010-2012	2011-2012	2011-2012	-	-	-
	Cluster (n)	6	3	5	1	-	-	-
HIV cases	Cluster time	2010-2012	2012	2011-2012	2008	2012	2012	2012
	Cluster (n)	5	5	1	3	1	1	1

Appendix 4. Economic input factors for AIDS in Chongqing from 2006-2012

Economic factors	Factor1 (\$)	Factor2 (\$)	Factor3 (\$)	Factor4 (\$)	Factor5 (%)
2006	820 062	595.65	5.75	0.0059	5.35
2007	1 210 519	581.66	5.37	0.0075	4.24
2008	1 521 325	990.48	2.98	0.0076	4.25
2009	1 981 226	827.55	2.34	0.0063	4.61
2010	2 183 336	862.24	4.20	0.0072	4.45
2011	1 939 713	945.34	2.18	0.0093	5.15
2012	2 584 962	1226.46	2.28	0.0094	4.15
Pearson r	0.949	-0.431	-0.791	0.785	-0.258
P value	0.001	0.335	0.034	0.037	0.577

Factor 1: HIV/AIDS prevention and treatment special fund (\$)
 Factor 2: HIV/AIDS antiviral unit costs (\$)
 Factor 3: High-risk population intervention unit costs (\$)
 Factor 4: Public awareness unit costs (\$)
 Factor 5: Proportion of supervision funding from HIV/AIDS prevention and treatment special fund (%)

Appendix 5: Trends in economic input indicators from 2006 to 2012. (A) Factor 1: Trend in HIV/AIDS prevention and treatment special fund, (B) Factor 2: Trend in HIV/AIDS antiviral unit costs, (C) Factor 3: Trend in high-risk population intervention unit costs, (D) Factor 4: Trend in public awareness unit costs, (E) Factor 5: Trend in the proportion of supervision funding.

