

Supplementary Material

Evaluating the time of HIV infection, diagnosis and treatment delays based on HIV notification data in Northwest China, 2008–19

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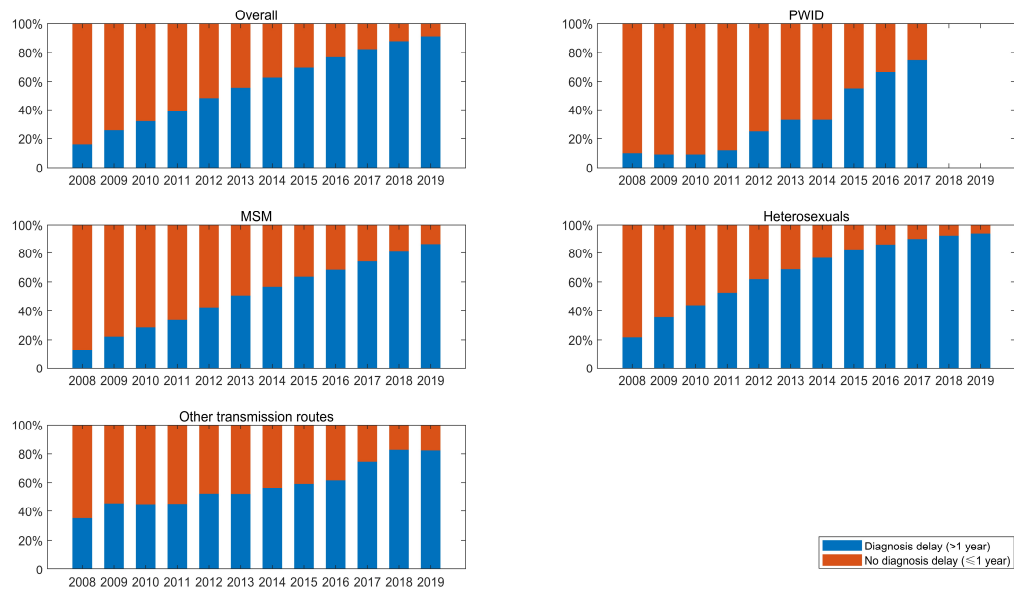
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Supplementary Figure S1. The proportion of undiagnosed cases among risk groups of HIV cases diagnosed during 2008–2019, Xi'an, China.



Supplementary Table S1. Time from HIV infection to ART initiation among HIV cases diagnosed during 2008–2019, Xi'an, China

Characteristics	Time (years) from					
	Infection to diagnosis		Diagnosis to ART initiation		Infection to ART initiation	
	Median (IQR)	<i>P</i>	Median (IQR)	<i>P</i>	Median (IQR)	<i>P</i>
Total	5.43 (1.93-9.52)		0.09 (0.04-0.27)		5.96 (2.69-9.99)	
Gender		0.039		0.151		0.015
Male	5.39 (1.87-9.44)		0.09 (0.04-0.27)		5.89 (2.65-9.96)	
Female	5.98 (2.48-10.10)		0.10 (0.05-0.29)		6.50 (3.18-10.47)	
Marriage		<0.05*		<0.05*		<0.05*
single	4.95 (1.30-8.37)		0.10 (0.05-0.34)		5.47 (2.13-8.91)	
married/cohabiting	6.07 (2.62-11.07)		0.08 (0.04-0.20)		6.50 (3.24-11.35)	
divorced/separated	5.59 (2.12-10.39)		0.08 (0.05-0.30)		6.22 (3.12-10.77)	
widowed/unknown	6.99 (2.74-10.66)		0.08 (0.04-0.13)		7.23 (3.34-10.86)	
Risk Group		<0.05*		<0.05*		<0.05*
PWID	4.13 (1.89-7.13)		0.90 (0.19-2.83)		6.14 (4.31-8.20)	
MSM	5.18 (1.80-8.75)		0.09 (0.04-0.27)		5.61 (2.54-9.29)	
Heterosexuals	5.96 (2.07-11.06)		0.09 (0.05-0.23)		6.45 (2.70-11.43)	
Other transmission routes	7.92 (3.94-15.21)		0.08 (0.04-0.23)		8.37 (4.66-15.35)	
Pretreatment CD4 group		<0.05*		<0.05*		<0.05*
500-	0.00 (0.00-0.00)		0.11 (0.06-0.40)		0.19 (0.07-0.67)	
350-499	2.32 (1.30-3.28)		0.11 (0.05-0.36)		2.81 (1.87-3.71)	
200-349	5.95 (4.79-7.15)		0.09 (0.05-0.29)		6.33 (5.30-7.48)	
<200	12.45 (9.77-16.20)		0.07 (0.04-0.16)		12.82 (10.37-16.56)	
Age at Diagnosis (years)		<0.05*		<0.05*		<0.05*
<20	3.58 (0.00-5.73)		0.10 (0.05-0.61)		4.72 (1.21-6.35)	

20–24	4.54 (1.06-7.64)		0.12 (0.05-0.50)		5.27 (2.00-8.01)	
25–34	5.41 (1.58-10.37)		0.10 (0.05-0.31)		6.00 (2.42-10.83)	
35–44	5.90 (2.34-11.29)		0.08 (0.04-0.24)		6.36 (3.18-11.56)	
45–54	6.60 (3.07-11.54)		0.07 (0.04-0.13)		6.90 (3.47-11.72)	
55–	6.14 (2.88-9.62)		0.07 (0.04-0.13)		6.40 (3.26-9.94)	
Tuberculosis		<0.05*		<0.05*		<0.05*
Yes	11.47 (7.16-16.42)		0.13 (0.07-0.30)		11.85 (7.83-16.63)	
No	5.27 (1.80-9.12)		0.09 (0.04-0.27)		5.74 (2.58-9.66)	
Unknown	9.60 (6.22-13.85)		0.07 (0.02-0.35)		9.83 (6.61-14.05)	
BMI		<0.05*		0.930		<0.05*
<18.5	7.71 (3.39-12.85)		0.09 (0.05-0.25)		8.16 (4.02-13.38)	
18.5–24.9	5.34 (1.87-9.29)		0.09 (0.04-0.28)		5.84 (2.68-9.71)	
≥25	4.06 (0.62-7.10)		0.08 (0.05-0.25)		4.52 (1.75-7.45)	
Unknown	6.85 (3.86-11.81)		0.09 (0.04-0.35)		7.48 (4.55-12.11)	
WHO Stage*		<0.05*		<0.05*		<0.05*
1	3.47 (0.37-6.42)		0.11 (0.05-0.42)		4.13 (1.36-6.84)	
2	3.97 (0.65-6.99)		0.09 (0.04-0.28)		4.62 (1.56-7.41)	
3	6.25 (3.79-9.75)		0.08 (0.04-0.20)		6.69 (4.22-10.25)	
4	12.76 (9.38-16.89)		0.07 (0.04-0.15)		13.07 (9.99-17.15)	

*:P<0.001.