

Supplementary Table 1. Missing data analysis for covariates (n= 656,816)

Covariates	Missing (%)	Association with treatment outcome*	Association with racial segregation*			Association with income segregation*		
			Black - White	Mixed/Brown - White	Black, Mixed/Brown - White	≤1/2 min wage - >1/2 min wage	≤1 min wage - >1 min wage	≤2 min wages - >2 min wages
Age	57 (0.01%)	P = 0.8483	P<0.0001	P<0.0001	P<0.0001	P = 0.0001	P<0.0001	P = 0.0001
Sex	44 (0.01%)	P = 0.9444	P=0.0489	P=0.0013	P=0.1686	P=0.2968	P=0.4696	P=0.9260
Race	48,972 (7.46%)	P<0.0001	P<0.0001	P<0.0001	P<0.0001	P<0.0001	P<0.0001	P<0.0001
Education	180,086 (27.42%)	P<0.0001	P<0.0001	P<0.0001	P<0.0001	P<0.0001	P<0.0001	P<0.0001
HIV	155,332 (23.65%)	P<0.0001	P<0.0001	P<0.0001	P<0.0001	P<0.0001	P<0.0001	P<0.0001
Diabetes	51,658 (7.86%)	P<0.0001	P<0.0001	P<0.0001	P<0.0001	P<0.0001	P<0.0001	P<0.0001
Mental health/cognitive developmental conditions	52,235 (7.95%)	P<0.0001	P<0.0001	P<0.0001	P<0.0001	P<0.0001	P<0.0001	P<0.0001
Immigrant	291, 877 (44.44%)	P=0.0039	P<0.0001	P<0.0001	P<0.0001	P<0.0001	P<0.0001	P<0.0001
Homeless	263,806 (40.16%)	P<0.0001	P<0.0001	P<0.0001	P<0.0001	P<0.0001	P<0.0001	P<0.0001
Alcohol use	48,712 (7.42%)	P<0.0001	P<0.0001	P<0.0001	P<0.0001	P<0.0001	P<0.0001	P<0.0001
Tobacco use	265,243 (40.38%)	P<0.0001	P<0.0001	P<0.0001	P<0.0001	P<0.0001	P<0.0001	P<0.0001
Illicit drug use	266,733 (40.61%)	P<0.0001	P<0.0001	P<0.0001	P<0.0001	P<0.0001	P<0.0001	P<0.0001
DOTS	277,949 (42.32%)	P<0.0001	P<0.0001	P<0.0001	P<0.0001	P<0.0001	P<0.0001	P<0.0001
*Chi-squared p-value from logistic regression, testing the association between covariates with outcome and exposure								

**Supplementary Table 2. Analysis of effect modification by race in the association between residential segregation and treatment outcome (n= 656,816)**

		Favourable (%)	Unfavourable (%)	Stratum-specific adjusted OR [95% CI]*
White	<i>≤1/2 minimum wage vs &gt;1/2 minimum wage</i>			
	1st	33,949 (83.61%)	6,655 (16.39%)	1.00 (Base)
	2nd	36,355 (82.78%)	7,563 (17.22%)	1.06 [0.98 - 1.14]
	3rd	38,880 (82.17%)	8,435 (17.83%)	1.10 [1.00 - 1.20]
	4th	35,195 (81.37%)	8,056 (18.63%)	1.25 [1.09 - 1.42]
	5th	33,421 (79.55%)	8,591 (20.45%)	1.25 [0.96 - 1.64]
	<i>Black &amp; Mixed/Brown vs. White</i>			
	1st	31,634 (82.94%)	6,509 (17.06%)	1.00 (Base)
	2nd	36,427 (82.40%)	7,779 (17.60%)	1.05 [0.96 - 1.14]
	3rd	36,523 (83.25%)	7,351 (16.75%)	0.96 [0.87 – 1.04]
	4th	38,157 (81.56%)	8,627 (18.44%)	1.11 [0.96 - 1.30]
	5th	35,059 (79.51%)	9,034 (20.49%)	1.14 [0.88 - 1.47]
Brown	<i>≤1/2 minimum wage vs &gt;1/2 minimum wage</i>			
	1st	50,038 (81.88%)	11,070 (18.12%)	1.00 (Base)
	2nd	50,899 (82.27%)	10,972 (17.73%)	0.97 [0.87 - 1.08]
	3rd	47,506 (79.14%)	12,525 (20.86%)	1.18 [1.05 - 1.34]
	4th	52,821 (78.61%)	14,372 (21.39%)	1.31 [1.09 - 1.57]
	5th	35,729 (76.01%)	11,274 (23.99%)	1.37 [1.20 - 1.56]
	<i>Black &amp; Mixed/Brown vs. White</i>			
	1st	50,357 (80.95%)	11,848 (19.05%)	1.00 (Base)
	2nd	48,776 (80.64%)	11,709 (19.36%)	1.02 [0.92 - 1.1]
	3rd	52,163 (79.89%)	13,131 (20.11%)	1.07 [0.91 - 1.27]
	4th	44,792 (77.97%)	12,656 (22.03%)	1.22 [1.03 - 1.45]
	5th	40,905 (79.01%)	10,869 (20.99%)	1.15 [0.94 - 1.40]
Black	<i>≤1/2 minimum wage vs &gt;1/2 minimum wage</i>			
	1st	13,484 (78.90%)	3,605 (21.10%)	1.00 (Base)
	2nd	12,382 (79.78%)	3,139 (20.22%)	0.92 [0.80 - 1.05]
	3rd	10,525 (77.24%)	3,101 (22.76%)	1.08 [0.94 - 1.25]
	4th	12,407 (76.97%)	3,712 (23.03%)	1.18 [0.93 - 1.49]
	5th	13,489 (71.58%)	5,356 (28.42%)	1.42 [1.15 - 1.74]
	<i>Black &amp; Mixed/Brown vs. White</i>			
	1st	13,726 (77.87%)	3,900 (22.13%)	1.00 (Base)
	2nd	10,695 (78.75%)	2,886 (21.25%)	0.94 [0.84 – 1.06]
	3rd	10,216 (79.28%)	2,670 (20.72%)	0.87 [0.75 – 1.00]
	4th	11,515 (77.02%)	3,435 (22.98%)	1.09 [0.89 - 1.32]
	5th	16,135 (72.82%)	6,022 (27.18%)	1.21 [0.95 - 1.53]

Asian		≤1/2 minimum wage vs >1/2 minimum wage		
	1st	747 (82.82%)	155 (17.18%)	1.00 (Base)
	2nd	779 (84.13%)	147 (15.87%)	0.90 [0.69 - 1.17]
	3rd	824 (82.15%)	179 (17.85%)	1.05 [0.79 - 1.40]
	4th	1,006 (80.42%)	245 (19.58%)	1.41 [1.09 - 1.81]
	5th	763 (80.15%)	189 (19.85%)	1.30 [1.00 - 1.69]
Indigenous		≤1/2 minimum wage vs >1/2 minimum wage		
	1st	872 (87.99%)	119 (12.01%)	1.00 (Base)
	2nd	1,033 (87.84%)	143 (12.16%)	1.03 [0.73 - 1.46]
	3rd	1,354 (83.48%)	268 (16.52%)	1.46 [0.96 – 2.23]
	4th	1,321 (84.41%)	244 (15.59%)	1.57 [0.95 - 2.61]
	5th	1,670 (85.64%)	280 (14.36%)	1.37 [1.00 - 1.87]

\* Adjusted for age, sex, education, experiencing homelessness, HIV, alcohol abuse, illicit drug use, tobacco use, clinical form of TB, diabetes, mental health/cognitive developmental conditions, DOTS.

\*\* Test for linearity using likelihood ratio test was <0.0001 for both racial and income segregation

OR: Odds Ratio

95%CI: 95% Confidence Interval

Supplementary Table 3. Baseline distribution of income and racial segregation indices (n= 656,816)

Residential segregation indices	N	Mean	SD	Median	IQR
<i>≤1/2 minimum wage vs &gt;1/2 minimum wage</i>					
1st quintile	130,568	0.22	0.32	0.22	0.04
2nd quintile	131,401	0.28	0.02	0.28	0.03
3 <sup>rd</sup> quintile	133,373	0.33	0.01	0.32	0.18
4th quintile	140,463	0.37	0.01	0.37	0.03
5th quintile	121,011	0.42	0.02	0.41	0.01
<i>Black &amp; Mixed/Brown vs. White</i>					
1st quintile	131,379	0.22	0.03	0.22	0.04
2nd quintile	131,242	0.28	0.01	0.28	0.01
3 <sup>rd</sup> quintile	131,765	0.31	0.01	0.32	0.03
4th quintile	133,198	0.35	0.01	0.36	0.01
5th quintile	129,232	0.40	0.03	0.39	0.03

SD: Standard deviation  
IQR: Interquartile range

**Supplementary Table 4. Crude and multivariable logistic regression between household income and racial segregation and loss to follow up of TB treatment**

Residential segregation indices		OR (95% CI) <sup>1</sup> N= 602,450	Adjusted OR (95% CI) <sup>2</sup> N=602,450
<i>Income segregation (N, %unfavourable TB treatment outcomes)</i>			
≤1/2 minimum wage vs. >1/2 minimum wage	1st quintile (1,909, 11.84%)	1.00 (Base)	1.00 (Base)
	2nd quintile (2,249, 13.94%)	0.97 (0.95 – 1.00)	0.96 (0.94 – 0.99)
	3rd quintile (2,589, 16.05%)	1.18 (1.15 – 1.21)	1.20 (1.17 – 1.23)
	4th quintile (7,916, 49.08%)	1.39 (1.36 – 1.42)	1.45 (1.42 – 1.49)
	5th quintile (1,467, 9.09%)	1.65 (1.61 – 1.70)	1.57 (1.53 – 1.61)
<i>Racial segregation</i>			
Black & Mixed/Brown vs. White	1st quintile (1,950, 12.09%)	1.00 (Base)	1.00 (Base)
	2nd quintile (3,095, 19.19%)	0.96 (0.94 – 0.99)	0.99 (0.96 – 1.01)
	3rd quintile (2,136, 13.24%)	0.97 (0.95 – 1.00)	0.94 (0.92 – 0.96)
	4th quintile (8,058, 49.96%)	1.21 (1.18 – 1.24)	1.25 (1.22 – 1.28)
	5th quintile (891, 5.52%)	1.34 (1.31 – 1.37)	1.22 (1.19 – 1.25)

<sup>1</sup>Including a priori (age, sex)  
<sup>2</sup>Adjusted for age, sex, education, experiencing homelessness, HIV, alcohol abuse, illicit drug use, tobacco use, diabetes, mental health/cognitive developmental conditions, DOTS  
OR: Odds Ratio  
95%CI: 95% Confidence Interval

**Supplementary Table 5. Complete-case analysis of crude and multivariable logistic regression between household income and racial segregation and TB treatment outcome**

Residential segregation indices		OR (95% CI) <sup>1</sup> N= 111,838	Adjusted OR (95% CI) <sup>2</sup> N=111,838
<i>Income segregation (N, %unfavourable TB treatment outcomes)</i>			
≤1/2 minimum wage vs. >1/2 minimum wage	1st quintile (1,909, 11.84%)	1.00 (Base)	1.00 (Base)
	2nd quintile (2,249, 13.94%)	1.34 (1.25 - 1.43)	1.27 (1.19 - 1.36)
	3rd quintile (2,589, 16.05%)	1.37 (1.29 - 1.46)	1.31 (1.23 - 1.40)
	4th quintile (7,916, 49.08%)	1.91 (1.81 - 2.02)	1.52 (1.44 - 1.61)
	5th quintile (1,467, 9.09%)	1.74 (1.62 – 1.87)	1.52 (1.41 - 1.64)
<i>Racial segregation</i>			
Black & Mixed/Brown vs. White	1st quintile (1,950, 12.09%)	1.00 (Base)	1.00 (Base)
	2nd quintile (3,095, 19.19%)	1.43 (1.35 - 1.52)	1.42 (1.33 - 1.51)
	3rd quintile (2,136, 13.24%)	1.42 (1.33 - 1.52)	1.33 (1.25 - 1.43)
	4th quintile (8,058, 49.96%)	1.87 (1.77 - 1.97)	1.50 (1.42 - 1.59)
	5th quintile (891, 5.52%)	1.89 (1.74 – 2.06)	1.65 (1.51 - 1.81)

<sup>1</sup>Including a priori (age, sex)  
<sup>2</sup>Adjusted for age, sex, education, experiencing homelessness, HIV, alcohol abuse, illicit drug use, tobacco use, clinical form of TB, diabetes, mental health/cognitive developmental conditions, DOTS excluding missing data.  
OR: Odds Ratio  
95%CI: 95% Confidence Interval