

Supplementary table 1. Descriptive statistics of exposure-related variables by data source, distribution of PM_{2.5} across covariate categories

Household kitchen characteristics	N (%)	Arithmetic (SE)	Geometric (SE) [†]
Total N	275*		
Fuel use			
Any wood use [†]	209	1290 (133)	475 (46)
Only clean fuel use	66(22)	116 (11)	100 (11)
Fuel use by type and percentage			
>50% wood	158	1620 (167) **	740 (81)
>50-100% LPG and <50% wood	78	785 (368)	193 (29)
100% LPG, Kerosene or Electricity	68	179 (48)	100 (11)
Missing			
Kitchen			
Indoor	275 (91)	870 (94) **	298(27)
Temporary hut	17 (5.6)	3290 (993)	1843(527)
Outdoor	11 (3.6)	1085 (301)	638(238)
Missing	1		
Functional chimney			
Yes	147(53)	1114(135)	256(33)
No	128(47)	886.7(164)	433(51)
Number of open windows during cooking			
Missing			
0	105(38)	1254(207)	415(62)
1	153(56)	838(108)	306(35)
2	17(6.1)	1020(574)	246(95)
Number of doors open while cooking			
1	48(18)	719(148)	275(57)
2	135(49)	960(135)	322(41)
3	19(6.9)	658(262)	239(73)
Missing	73(27)		
Indoor smoking			
Yes	20(7)	1043(486.3)	328(108.8)
No	255(93)	1006(107)	340(32)
Other indoor pollutant sources [‡]			
Yes	29(11)	1007(114) **	441(106)
No	246(89)	1018(242)	329(31)
Immediate outdoor pollution [¥] sources			
Yes	18(10)	1006(242.7)	441.3(106.5)

No	257(90)	1008(113.9)	330.4(31.5)
Cooking time (in minutes)			
0-60	74	844 (212) **	257 (44)
61-90	118	928 (128)	330 (45)
>90	80	1303 (239)	463 (75)

* Excludes subjects with extreme values and/or inconsistencies between primary fuel type and primary stove type. Total subjects retained (n=275)

‡ Including burning of incense, mosquito coil, and candles inside the homes

¥ Includes industry near the homes

§ Average daily cooking time across 2-3 meals per day

**p<0.05

Supplementary table 2. Regression model to predict log-transformed PM_{2.5} kitchen concentrations during cooking periods

Parameter	Estimate	Standard Error	t Value	P-value	Cross Validation Estimates				
					1	2	3	4	5
Intercept	4.72	0.44	9.13	<.0001	4.48	4.54	4.80	4.78	4.86
Fuel categories									
50%-100% Wood	2.14	0.19	2.12	<.0001	2.15	2.20	2.14	2.08	2.27
>50% LPG + wood	0.40	0.20	12.06	0.05	0.39	0.43	0.40	0.33	0.53
100% LPG	0.00	.	.		0.00	0.00	0.00	0.00	0.00
Kitchen type									
Indoor	-0.17	0.43	-0.45	0.69	0.12	-0.01	-0.21	-0.20	-0.34
Temporary hut	1.13	0.48	2.43	0.02	1.22	1.15	1.16	1.24	0.86
Outdoor	0.00	.	.		0.00	0.00	0.00	0.00	0.00
Functional chimney									
No	0.06	0.17	0.35	0.72					
Yes	0								

Adjusted R² = 0.57; P-value for F-statistics <0.0001