

Supplementary material

Table S3 Overview of Kruskal-Wallis test results for KwaZamokuhle and eMzinoni presenting fuel use patterns, stove use and the presence and absence of smoke in the dwelling in the context of FEV/FVC results from the conducted lung function tests.

		KwaZamokuhle				eMzinoni			
		N=300				N=132			
Variable	Variable Category	FEV/FVC n (median IQR)	H statistic	P- value	FEV/FVC	H statistic	P-value		
Main cooking fuel	<i>Electricity</i>	n = 128 0.85 (0.12)	0.431	0.9338	n = 96 0.82 (0.9)	3.616	0.164		
	<i>LPG</i>	n = 2 0.84 (0.03)			-				
	<i>Wood</i>	n = 7 0.82 (0.17)			n = 1 0.93 (0)				
	<i>Coal</i>	n = 163 0.86 (0.12)			n = 35 0.8 (0.11)				
	Total	300			132				
		KwaZamokuhle				eMzinoni			
		N=300				N=132			
Variable	Variable Category	FEV/FVC Median (IQR)	H statistic	P- value	FEV/FVC Median (IQR)	H statistic	P-value		
Main heating fuel	<i>Electricity</i>	n = 5 0.83 (0.04)	2.207	0.6978	n = 36 0.83 (0.06)	2.698	0.6969		
	<i>LPG</i>	n = 4 0.86 (0.8)			n = 2 0.80 (0.05)				
	<i>Wood</i>	n = 12 0.89 (0.10)			n = 1 0.78 (0)				
	<i>Coal</i>	n = 273 0.85 (0.13)			n = 92 0.82 (0.12)				
	<i>Other</i>	n = 6 0.85 (0.04)			n = 1 0.92 (0)				

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Total		300	132				
		KwaZamokuhle		eMzinoni			
		N=300	N=132				
Variable	Variable Category	FEV/FVC Median (IQR)	H statistic	P-value	FEV/FVC Median (IQR)	H statistic	P-value
Main lighting fuel	<i>Electricity</i>	n = 299 0.85 (0.13)	0.488	0.485	n = 131 0.82 (0.1)	0.031	0.885
	<i>LPG</i>	n = 1 0.89 (0)			-		
	<i>Other</i>	-			n = 1 0.81 (0)		
Total		300			132		
		KwaZamokuhle		eMzinoni			
		N=300	N=132				
Variable	Variable Category	FEV/FVC Median (IQR)	H statistic	P-value	FEV/FVC Median (IQR)	H statistic	P-value
Stove use	<i>Hybrid (electric + LPG)</i>	n = 4 0.84 (0.11)	1.297	0.862	n = 5 0.80 (0.06)	3.864	0.569
	<i>Electric</i>	n = 120 0.85 (0.13)			n = 57 0.82 (0.09)		
	<i>LPG</i>	n = 2 0.84 (0.03)			-		
	<i>Paraffin</i>	-			-		
	<i>Mbaula</i>	-			n = 1 0.75 (0)		
	<i>Cast iron stove</i>	n = 154 0.85 (0.12)			n = 64 0.82 (0.10)		
<i>Own welded stove</i>	n = 20 0.87 (0.12)	n = 4 0.84 (0.4)					

	<i>Other</i>	-				n = 1		
	Total	300				0.92 (0)		
		KwaZamokuhle				132		
		N=300				eMzinoni		
		N=132				N=132		
Variable	Variable Category	FEV/FVC Median (IQR)	H statistic	P-value	FEV/FVC Median (IQR)	H statistic	P-value	
Stove smoke	Yes	n = 98 0.85 (0.12)			n = 63 0.82 (0.09)			
	No	n = 202 0.85 (0.12)	0.231	0.631	n = 69 0.82 (0.11)	0.277	0.599	
	Total	300			132			