**Table S1.** Prevalence of upper and lower respiratory symptoms and diseases among informal food vendors in the inner city of Johannesburg.

Total No=617   No   Color					Work location		Type of vendor		Gender	
Properation										
Principle   Script	Respiratory problems				Indoor	Outdoor		cooking	Male	Female
Some throat   28 (42%)   109 (42%)   149 (58%)   152 (59%)   106 (41%)   102 (40%)   104 (59%)   104 (17%)   147 (59%)				N (%)	N (%)	N (%)	N (%)	N (%)	N (%)	
The last 12   Cough   248 (0%)   106 (43%)   142 (57%)   149 (60%)   99 (10%)   101 (41%)   147 (59%)   148 (104%)   148 (104%)   132 (52%)   148 (104%)   132 (52%)   148 (104%)   132 (52%)   148 (104%)   132 (52%)   148 (104%)   148 (10	Upper	Cold		268 (43%)	114 (43%)	154 (57%)	159 (59%)	109 (41%)	111 (41%)	157 (59%)
Lower   Cough   242 (39%)   106 (33%)   142 (57%)   169 (63%)   74 (31%)   71 (32%)   165 (68%)   168 (69%)   77 (62%)   40 (38%)   37 (39%)   58 (70%)   168 (42%)   168 (42%)   168 (69%)   77 (62%)   40 (38%)   37 (39%)   58 (70%)   168 (42%)		symptoms in Sore throat		258 (42%)	109 (42%)	149 (58%)	152 (59%)	106 (41%)	102 (40%)	156 (60%)
The last 12   Breathlenes   25 (20%)   44 (35%)   81 (65%)   77 (62%)   48 (38%)   37 (39%)   82 (79%)   82		Nasal congestion		248 (40%)	106 (43%)	142 (57%)	149 (60%)	99 (40%)	101 (41%)	147 (59%)
The last 12   Breathleness   28 (5%)   9 (32%)   19 (68%)   16 (57%)   12 (43%)   8 (29%)   20 (71%)	Lower			242 (39%)	110 (46%)	132 (54%)	168 (69%)	74 (31%)	77 (32%)	165 (68%)
Usually cough 1st thing in the morning in winter   Usually cough during the day or at night in the winter   Usually bring up any phlegm in the morning in winter   Usually bring up any phlegm to the morning in winter   Usually bring up any phlegm to the morning in winter   Usually bring up any phlegm to the morning in winter   Usually bring up any phlegm to the morning in winter   Usually bring up any phlegm to the morning in winter   Usually bring up any phlegm during the day or at night in the winter   Usually bring up any phlegm like this or most days for a much as three months each year   Usually bring up any phlegm like this or most days for a much as three months each year   Usually bring up any phlegm lasting for 3 weeks or more in the past 3 years have you had a period of increased cough and phlegm lasting for 3 weeks or more, more than 3 winters   Usually bring up any phlegm lasting for 3 weeks or more, more than 3 winters   Usually bring up any phlegm lasting for 3 weeks or more, more than 3 winters   Usually bring up any phlegm lasting for 3 weeks or more, more than 3 winters   Usually bring up any phlegm lasting for 3 weeks or more more than 3 winters   Usually bring up any phlegm lasting for 3 weeks or more more than 3 winters   Usually bring up any bringm lasting for 3 weeks or more more than 3 winters   Usually bring up any bringm lasting for 3 weeks or more more than 3 winters   Usually short of breath when walking with others of your own ago on level ground   Stops for breath when walking with others of your own ago on level ground   Stops for breath when walking with others of your own ago on level ground   Stops for breath when walking with others of your own ago on level ground   Stops for breath when walking with others of your own ago on level ground   Stops for breath when walking with others of your own ago on level ground   Stops for breath when walking with others of your own ago on level ground   Stops for breath when walking with others of your own ago on level ground   Stops for br	symptoms in			125 (20%)	44 (35%)	81 (65%)	77 (62%)	48 (38%)	37 (30%)	88 (70%)
Cough   Usually cough 1st thing in the morning in winter   Usually cough during the day or at night in the winter   Se (9%)   31 (53%)   27 (47%)   44 (76%)   14 (24%)   17 (29%)   41 (71%)   41 (71%)   41 (71%)   42 (33%)   42 (38%)   42 (38%)   42 (38%)   45 (		-		` /		, ,	. ,	12 (43%)	8 (29%)	20 (71%)
Cough like this on most days for as much as three months each year in the past 3 years have you had a period of increased cough and phlegm lasting for 3 weeks or more in the past 3 years have you had a period of increased cough and phlegm lasting for 3 weeks or more more than 3 winters	months	Wheeziness		43 (7%)	18 (42%)	25 (58%)	31 (72%)	12 (28%)	12 (28%)	31 (72%)
Cough like this on most days for as much as three months each year an injeht in the winter winter   Size (19%)   Size (1										
Cough like this on most days for as much as three months cach year   Cough like this on most days for as much as three months cach year   Usually bring up any phlegm in the morning in winter   Usually bring up any phlegm in the morning in winter   Usually bring up any phlegm in the morning in winter   Usually bring up any phlegm in the morning or at night in the winter   Usually bring up any phlegm in the morning or at night in the winter   Usually bring up any phlegm in the morning or at night in the winter   Usually bring up any phlegm in the morning or at night in the winter   Usually bring up any phlegm in the morning or at night in the winter   Usually bring up any phlegm in the morning or at night in the winter   Usually bring up any phlegm in the morning or as much as three months each year   In the past 3 years have you had a period of increased cough and phlegm lasting for 3 weeks or more   In the past 3 years have you had a period of increased cough and phlegm lasting for 3 weeks or more, more than 3 winters)   It troubled by shortness of breath when hurrying on level ground or walking up a slight hill   Short of breath when walking with others of your own age on level ground or walking up a slight hill   Short of breath when walking at your own pace on level ground?   It (2.8%)   2 (12%)   15 (88%)   12 (71%)   5 (25%)   1 (12%)   7 (88%)   1 (12%)   7 (88%)   1 (12%)   7 (88%)   1 (12%)   7 (88%)   1 (12%)   7 (12%)				152 (25%)	67 (44%)	85 (56%)	103 (68%)	49 (32%)	42 (28%)	110 (72%)
Phlegm	Cough			58 (9%)	31 (53%)	27 (47%)	44 (76%)	14 (24%)	17 (29%)	41 (71%)
Philesh		Cough like this on most days for as much as		6 (1%)	1 (17%)	5 (83%)	4 (67%)	2 (33%)	0	6 (100%)
Standard S	Phlegm			73 (12%)	20 (27%)	53 (73%)	42 (58%)	31 (42%)	17 (23%)	56 (77%)
Second part				21 (3, 4%)	6 (29%)	15 (71%)	18 (86%)	3 (14%)	6 (29%)	15 (71%)
Increased cough and phlegm lasting for 3   3 (0, 5%)   0   3 (100%)   2 (67%)   1 (33%)   0   3 (100%)   0 (100%)   0 (		as much as three months each year in the past 3 years have you had a period of increased cough and phlegm lasting for 3 weeks or more in the past 3 years have you had a period of increased cough and phlegm lasting for 3		2 (0, 3%)	0	2 (100%)	1 (50%)	1 (50%)	1 (50%	1 (50%)
Increased cough and phlegm lasting for 3 weeks or more, more than 3 winters)   1 (0, 2%)   0   1 (100%)   0   1 (100%)   0   1 (100%)   0   1 (100%)   0   1 (100%)   0   1 (100%)   0   1 (100%)   0   1 (100%)   0   1 (100%)   0   1 (100%)   0   1 (100%)   0   1 (100%)   0   1 (100%)   0   1 (100%)   0   1 (100%)   0   1 (100%)   0   1 (100%)   0   0   1 (100%)   0   0   1 (100%)   0   0   1 (100%)   0   0   1 (100%)   0   0   1 (100%)   0   0   0   0   0   0   0   0   0				3 (0, 5%)	0	3 (100%)	2 (67%)	1 (33%)	0	3 (100%)
Breatheleness   Short of breath when hurrying on level ground or walking up a slight hill   Short of breath when walking with others of your own age on level ground   Stops for breath when walking at your own pace on level ground?   Stops for breath when walking at your own pace on level ground?   Stops for breath when walking at your own pace on level ground?   Stops for breath when walking at your own pace on level ground?   Stops for breath when walking at your own pace on level ground?   Stops for breath when walking at your own pace on level ground?   Stops for breath when walking at your own pace on level ground?   Stops for breath when walking at your own pace on level ground?   Stops for breath when walking at your own pace on level ground?   Stops for breath when walking at your own pace on level ground?   Stops for breath when walking at your own pace on level ground?   Stops for breath when walking at your own pace on level ground   Stops for breath when walking at your own pace on level ground?   Stops for breath when walking at your own pace on level ground   Stops for breath when walking at your own pace on level ground   Stops for breath when walking at your own pace on level ground   Stops for breath when walking at your own pace on level ground   Stops for breath when walking at your own pace on level ground   Stops for breath when walking at your own pace on level ground   Stops for breath when walking at your own pace on level ground   Stops for breath when walking at your own pace on level ground   Stops for breath when walking at your own pace on level ground   Stops for breath when walking at your own pace on level ground   Stops for breath when walking at your own pace on level ground   Stops for breath when walking at your own pace on level ground   Stops for breath when walking at your own pace on level ground   Stops for breath when walking at your own				1 (0, 2%)	0	1 (100%)	0	1 (100%)	0	1 (100%)
Short of breath when walking with others of your own age on level ground   Stops for breath when walking at your own pace on level ground   Stops for breath when walking at your own pace on level ground   Stops for breath when walking at your own pace on level ground   Stops for breath when walking at your own pace on level ground   Stops for breath when walking at your own pace on level ground   Stops for breath when walking at your own pace on level ground   Stops for breath when walking at your own pace on level ground   Stops for breath when walking at your own pace on level ground   Stops for breath when walking at your own pace on level ground   Stops for breath when walking at your own pace on level ground   Stops for breath when walking at your own pace on level ground   Stops for breath when walking at your own pace on level ground   Stops for breath when walking at your own pace on level ground   Stops for breath when walking at your own pace on level ground   Stops for breath when walking at your own pace on level ground   Stops for breath when walking at your own pace on level ground   Stops for breath when walking at your own pace on level ground   Stops for breath when walking at your own pace on level ground   Stops for breath when walking at your own pace on level ground   Stops for breath when walking at your own pace on level ground   Stops for breath when walking at your own pace on level ground   Stops for breath when walking at your own pace on level ground   Stops for breath when walking at your own pace on level ground   Stops for breath when walking at your own pace on level ground   Stops for breath when walking at your own   Stops for breath walking at your own   Stops for brea	Breatheleness	hurrying on level ground or walking up a		31 (5%)	5 (16%)	26 (84%)	19 (61%)	12 (39%)	7 (23%)	24 (77%)
Stops for breath when walking at your own pace on level ground?   8 (1%)   1 (12%0   7 (88%)   6 (75%)   2 (25%)   1 (12%)   7 (88%)				17 (2, 8%)	2 (12%)	15 (88%)	12 (71%)	5 (29%)	4 (24%)	13 (76%)
Wheeziness   Solution   Solutio				8 (1%)	1 (12%0	7 (88%)	6 (75%)	2 (25%)	1 (12%)	7 (88%)
Solution	Wheeziness			30 (5%)	13 (43%)	17 (57%)	23 (77%)	7 (23%)	7 (23%)	23 (77%)
Pever   207 (34%)   88 (43%)   119 (57%)   125 (60%)   82 (40%)   75 (36%)   132 (64%)		, e		13 (2.1%)	5 (38%)	8 (62%)	9 (69%)	4 (31%)	3 (23%)	10 (77%)
Headache   160 (26%)   65 (41%)   95 (59%)   97 (60%)   63 (40%)   46 (29%)   114 (71%)		•		4 (0, 6%)	0	4 (100%)	3 (75%)	1 (25%)	1 (25%)	3 (75%)
Headache   160 (26%)   65 (41%)   95 (59%)   97 (60%)   63 (40%)   46 (29%)   114 (71%)		Fever		207 (34%)	88 (43%)	119 (57%)	125 (60%)	82 (40%)	75 (36%)	132 (64%)
Dizziness   107 (17%)   40 (37%)   67 (63%)   66 (62%)   41 (38%)   32 (305)   75 (70%)		Headache					97 (60%)	63 (40%)		114 (71%)
Other acute symptoms  Frequency of eye, nose and throat irritation while cooking  Cooking  Total who experienced irritation  Wo of total  Total who experienced irritation  Wo of total  Total who experienced irritation  Total who out of 348 cooking vendors  Vendors  Total who out of the out of the out of the cooking vendors  Vendors  Vendors  Total who out of 348 cooking vendors  Vendors  Total who out of 348 cooking vendors  Vendors  Vendors  Total who out of 48 cooking vendors  Vendors  Vendors  N/A  12(28%)  Total who out of 348 cooking vendors  Vendors		Dizziness		107 (17%)	40 (37%)	67 (63%)	66 (62%)	41 (38%)		75 (70%)
Other acute symptoms  Frequency of eye, nose and throat irritation while cooking  Cooking  Total who experienced irritation  What is a cooking cooking cooking vendors cooking vendors		Fatigue		93 (15%)	44 (47%)	49 (53%)	63 (68%)	30 (32%)	24 (26%)	69 (74%)
Frequency of eye, nose and throat irritation while cooking cooking cooking cooking vendors  Total who experienced irritation  **Total who experienced irritation while cooking vendors vendors  **Total who experienced irritation  **Total who experienced irritation  **Total who experienced irritation  **Total who experienced irritation  **Vendors**  **Total who experienced irritation  **Vendors**  **Vendors*		Eye irritation		50 (8%)	25 (50%)	25(50%)	36 (72%)	14 (28%)	10 (205)	40 (80%)
Frequency of eye, nose and throat irritation while cooking cooking cooking cooking vendors ven			T . 1							<b>86 (38%)</b> out of the 228
throat irritation while cooking cooking vendors vendor		Frequency of eve, nose and	experienced					N/A		cooking
cooking vendors vendor		1 7 7		U			cooking			females
% of total 40% 62% 100% N/A 31% 69%				vendors	U	O	vendors		vendors	vendors
Never 215 (62%) 160 (74%) 55 (26%) 215(100%) N/A 78 (36%) 137 (64%)				% of total	40%	62%	100%	N/A	31%	69%
			Never	215 (62%)	160 (74%)	55 (26%)	215(100%)	N/A	78 (36%)	137 (64%)

	Rarely	56 (16%)	19 (34%)	37 (66%)	56(100%)	N/A	21 (38%)	35 (63%)
	Sometimes	62 (18%)	26 (41%)	36 (59%)	62(100%)	N/A	17 (27%)	45 (73%)
	Often	4 (1%)	1 (25%)	3 (75%)	4 (100%)	N/A	0	4 (100%)
	Always	2 (0.6%)	1 (50%)	1 (50%)	2 (100%)	N/A	0	2 (100%)

**Table S2.** Prevalence of respiratory chronic diseases or illnesses among informal food vendors in the inner city of Johannesburg.

Respiratory problems		Total No=617	Work location		Туре о	f vendor	Gender	
			Indoor Outdoor		Cooking vendors	Non-cooking vendors	Male	Female
			N (%)	N (%)	N (%)	N (%)	N (%)	N (%)
Chest illness in the last past three years		9 (1, 5%)						
Which chest illness kept you from usual activities for as much as a week or longer	Heart trouble	1 (0, 2%)	1 (100%)	0	1 (100%)	0	0	1 (100%)
	Bronchitis	1 (0, 2%)	0	1 (100%)	0	1 (100%)	0	1 (100%)
	Pulmonary tuberculosis	1 (0, 2%)	0	1 (100%)	0	1 (100%)	0	1 (100%)
	Bronchial Asthma	5 (0, 8%)	2 (40%)	3 (60%)	3 (60%) 2 (40%)		2 (40%)	3 (60%)
	Hay fever resulting in Asthma	1 (0, 2%)	0	1 (100%)	1 (100%)	0	0	1 (100%)
Other related information	Bring up phlegm more than usual in any of the illness	4 (0, 6%)	0	4 (100%)	2 (50%)	2 (50%)	0	4 (100%)
	Had more than 1 illness like this in the past 3 years	9 (1,5%)	3 (33%)	6 (67%)	5 (56%)	4 (44%)	2 (22%)	7 (78%)
Past medically	diagnosed diseases	8 (1,3%)						
Past illnesses: Have	Bronchitis	1 (0, 2%)	0	1 (100%)	0	1 (100%)	0	1 (100%)
you ever been Medically diagnosed with any of these diseases?	Pulmonary tuberculosis	2 (0,3%)	1 (50%)	1 (50%)	0	2 (100%)	1 (50%)	1 (50%)
	Bronchial Asthma	4 (0, 6%)	1 (25%)	3 (75%)	3 (75%)	1 (25%)	1 (25%)	3 (75%)
	Hay fever resulting in Asthma	1 (0, 2%)	0	1 (100%)	1 (100%))	0	0	1 (100%)
Other illnesses	Covid-19 between 2020- 2022	105 (17%)	70 (67%)	35 (33%)	46 (44%)	59 (56%)	46 (44%)	59 (56%)