Supplementary Table. Distribution of putative underlying risk factors for fatal CV19 disease by age and CT threshold EtOH abuse Malnutrition Sickle cell disease HIV/AIDS Smoked Chronic kidney disease Epilepsy Location Anemia Asthma Malaria Cancer COPD N N CVD Sex M **TB** CT<40 **FACILITY** 55-59 Μ 25-29 Μ COMMUNITY 60-64 M **COMMUNITY** COMMUNITY 45-49 Μ 85-89 COMMUNITY Μ F COMMUNITY 35-39 COMMUNITY 75-79 M 70-74 Μ COMMUNITY COMMUNITY 50-54 M 45-49 M COMMUNITY 75-79 Μ COMMUNITY COMMUNITY 75-79 M **COMMUNITY** 75-79 F **FACILITY** 60-64 M 35-39 Μ COMMUNITY

	Sex	Location	TB	N F	HIV/AIDS	EtOH abuse	DM	CVD	Smoked	Malnutrition	Anemia	СОРБ	Cancer	Asthma	Malaria Chronic kidney disease Epilepsy Sickle cell disease
35-39	M	COMMUNITY				Ä				Ma					
80-84	М	FACILITY													
0-4	М	COMMUNITY													
55-59	М	FACILITY													
60-64	М	COMMUNITY													
0-4	F	COMMUNITY													
30-34	F	COMMUNITY													
40-44	F	FACILITY													
25-29	М	FACILITY													
100+	F	COMMUNITY													
55-59	М	COMMUNITY													
55-59	М	COMMUNITY													
85-89	М	COMMUNITY													
50-54	F	COMMUNITY													
30-34	М	FACILITY													
70-74	М	COMMUNITY													

	Sex	Location	TB	Z H	HIV/AIDS	EtOH abuse	DM	CVD	Smoked	Malnutrition	Anemia	COPD	Cancer	Asthma	Malaria Chronic kidney disease Epilepsy	Sickle cell disease
35-39	М	COMMUNITY														
85-89	М	COMMUNITY														
60-64	М	COMMUNITY														
30-34	М	COMMUNITY														
40-44	М	COMMUNITY														
45-49	М	COMMUNITY														
90-94	F	COMMUNITY														
65-69	F	FACILITY														
35-39	F	FACILITY														
100+	F	FACILITY														
35-39	М	FACILITY														
0-4	F	FACILITY														
10-14	F	COMMUNITY														
25-29	F	COMMUNITY														
15-19	М	COMMUNITY														
45-49	М	COMMUNITY														

	Sex	Location	8	N	HIV/AIDS	EtOH abuse	DM	CVD	Smoked	Malnutrition	Anemia	COPD	Cancer	Asthma	Malaria Chronic kidney disease Epilepsy Sickle cell	disease
40-44	М	FACILITY														
40-44	F	COMMUNITY														
75-79	F	FACILITY														
90-94	F	COMMUNITY														
40-44	М	COMMUNITY														
65-69	М	FACILITY														
45-49	М	FACILITY														
20-24	М	COMMUNITY														
70-74	М	COMMUNITY			/	/										
40-44	М	FACILITY														
90-94	F	FACILITY														
CT ≥40 to < 45																
45-49	М	COMMUNITY				/										
45-49	F	COMMUNITY	\	~												
0-4	М	COMMUNITY														
0-4	М	COMMUNITY								~						

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	Sex	Location	8	H	HIV/AIDS	EtOH abuse	DM	CVD	Smoked	Malnutrition	Anemia	COPD	Cancer	Asthma	Malaria Chronic kidney disease Epilepsy Sickle cell
40-44	F	COMMUNITY			1										
25-29	М	COMMUNITY	~		1										
65-69	М	COMMUNITY													~
45-49	F	COMMUNITY	~		\	/									
70-74	М	FACILITY		/											
40-44	F	COMMUNITY	~		/										
25-29	М	COMMUNITY													✓ □
85-89	М	COMMUNITY										~	/	/	

Abbreviations: CVD – Cardiovascular disease; COPD – Chronic obstructive pulmonary disease, including emphysema and bronchitis; DM - diabetes mellitus (Type I and II not distinguished); HTN – hypertension; TB – tuberculosis

Supplementary figure: Distribution of CT values for all CV19 positive results, stratified by reactions against the N1 and N2 nucleocapsid gene targets using the US CDC CV19 assay kit.

The figure presents the distribution of CT results as proportions of all positive test results, stratified by the N1 and N2 targets used by the assay. Per the instructions of the manufacturer (US CDC), we declared a test 'positive' when the following criteria were met: 1) positive controls performed as expected on each plate; 2) negative controls were negative; 3) RNAseP was detectable for any given individual sample at a CT value <40; and 4) the CT values for both N1 and N2 reactions were < 40. For the expanded range analysis (CT values 40-45), all of these criteria also applied, except that we included results if there was a detectable N1 and N2 signal for a given sample at any level of detection. Ultimately, all results had a CT <43, indicating that the higher range CT results were quite close to the canonical threshold of 40.



