

**SUPPLEMENTARY TABLE. Relative risk and estimated vaccine effectiveness for prevention of SARS-CoV-2 infection, symptomatic COVID-19, hospitalization, and death for persons who received COVID-19 vaccination >7 days from outbreak identification compared with non-vaccinated persons during a COVID-19 outbreak in a skilled nursing facility — Kentucky, 2021**

	No. (% attack rate)		Unvaccinated vs. vaccinated RR (95% CI)	Vaccine Effectiveness <sup>§</sup> (95% CI)
	Vaccinated*	Unvaccinated*		
<b>Total Skilled Nursing Facility population<sup>¶</sup></b>	<b>(n = 136)</b>	<b>(n = 62)</b>	-	-
SARS-CoV-2	24 (17.6)	22 (35.5)	-	-
Symptomatic	9 (6.6)	20 (32.3)	-	-
Hospitalization	3 (2.2)	4 (6.5)	-	-
Death	1 (0.7)	2 (3.2)	-	-
<b>Residents</b>	<b>(n = 75)</b>	<b>(n = 8)</b>	-	-
SARS-CoV-2	20 (26.7)	6 (75.0)	2.8 (1.6 – 4.9)	64.4 (38.5 – 79.5)
Symptomatic	7 (9.3)	5 (62.5)	6.7 (2.8 – 16.2)	85.1 (63.8 – 93.8)
Hospitalization	3 (4.0)	4 (50.0)	12.5 (3.4 – 46.2)	92.0 (70.4 – 97.8)
Death	1 (1.3)	2 (25.0)	18.8 (1.9 – 184.6)	94.7 (47.5 – 99.5)
<b>Health Care Personnel</b>	<b>(n = 61)</b>	<b>(n = 54)</b>	-	-
SARS-CoV-2	4 (6.6)	16 (29.6)	4.5 (1.6 – 12.7)	77.9 (37.8 – 92.1)
Symptomatic	2 (3.3)	15 (27.8)	8.5 (2.0 – 35.4)	88.2 (50.7 – 97.2)
Hospitalization	0 (-)	0 (-)	-	-
Death	0 (-)	0 (-)	-	-

Abbreviation: No.=number; RR=relative risk; CI = confidence interval.

\*Vaccinated includes persons who received 2 doses of Pfizer-BioNTech mRNA vaccine >7 days before outbreak identification. One health care staff member with partial vaccination, who received a single dose of Pfizer-BioNTech vaccine, was excluded from analysis.

<sup>§</sup> Calculated as (1-relative risk of vaccinated vs. unvaccinated) x100.

<sup>¶</sup> Includes both residents and staff members.