

SUPPLEMENTARY TABLE 2. Adjusted odds ratio of hospitalization of persons with monkeypox, by vaccination status, HIV status, and age group — United States, 2024–2025*

Characteristic	No. (column %)		Adjusted OR [†] (95% CI)
	Not Hospitalized	Hospitalized	
Total	764 (88.8)	96 (11.2)	—
JYNNEOS vaccination status			
Fully vaccinated [§] (Ref)	118 (98.3)	2 (1.7)	—
Unvaccinated	646 (87.3)	94 (12.7)	9.73 (2.93–60.65)
HIV Status			
HIV negative (Ref)	477 (93)	36 (7)	—
HIV positive	287 (82.7)	60 (17.3)	2.37 (1.52–3.74)
Age group, years[¶]			
18–29	229 (92.7)	18 (7.3)	0.68 (0.37–1.23)
30–39 (Ref)	311 (89.1)	38 (10.9)	—
40–49	143 (83.6)	28 (16.4)	1.73 (1.00–2.97)
50–64	74 (87.1)	11 (12.9)	1.28 (0.59–2.60)
≥65	7 (87.5)	1 (12.5)	2.98 (0.14–23.34)

Abbreviations: CI = Confidence Interval; OR = odds ratio; ref = referent group.

* Analysis included 860 cases with complete data on vaccination status, HIV status, age, and hospitalization outcome. Cases with missing data on any variable were excluded from the multivariable model.

[†] Odds ratios were adjusted for age and HIV status.

[§] Full vaccination was defined as receipt of two doses of JYNNEOS vaccine ≥14 days before illness onset and at least 24 days between first and second dose. Estimates for partially vaccinated individuals were unstable due to sparse outcomes (no hospitalizations observed) and were excluded.

[¶] Cases aged <18 years (n=18) were excluded due to sparse outcomes.