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Prolonged Monkeypox Virus Infections, California, USA, May 2022–August 2024

Appendix

Appendix Table 1. Mpox severity score grading system

Parameter	Grade 0 (0 points)	Grade 1 (1 points)	Grade 2 (2 points)	Grade 3 (3 points)	Grade 4 (4 points)
Active lesion burden, number (total)	0	1–9	10–99	>100	
Lesion burden, extent of body involvement (head/neck, chest/abdomen, back groin/buttocks/anus, left arm, left hand, right arm, right hand, left leg, left foot, right leg, right foot)	0	1–3	4–6	7–9	10–12
Mucosal areas affected (4 anatomic locations: anorectal, oropharyngeal, genital (solely mucosal), ocular lesion)	0		1 location	2 locations	≥3 locations
Level of care		Outpatient	Inpatient, non-ICU related to Mpox	Inpatient, ICU related to Mpox	Death

Appendix Table 2. Race/ethnicity of prolonged vs nonprolonged mpox cases by HIV status, California, 2022–2024, n = 6469

Race/ethnicity	Prolonged		Nonprolonged		Total	
	n	% (95% CI)	n	% (95% CI)	n	% (95% CI)
People with HIV						
American Indian or Alaska Native	1	2.0 (0.05–10.65)	14	0.5 (0.33–0.92)	15	0.6 (0.35–0.95)
Asian	0	0.0 (0.0–7.11)	99	3.9 (3.2–4.71)	99	3.8 (3.14–4.62)
Black or African American	11	22.0 (11.53–35.96)	340	13.3 (12.07–14.71)	351	13.5 (12.24–14.87)
Hispanic or Latino	23	46.0 (31.81–60.68)	1188	46.6 (44.68–48.55)	1211	46.6 (44.68–48.52)
Multiple Races	0	0.0 (0.0–7.11)	33	1.3 (0.92–1.81)	33	1.3 (0.91–1.78)
Native Hawaiian or Other Pacific Islander	0	0.0 (0.0–7.11)	8	0.3 (0.16–0.62)	8	0.3 (0.16–0.61)
Other	1	2.0 (0.05–10.65)	47	1.8 (1.39–2.44)	48	1.8 (1.4–2.44)
Unknown	5	10.0 (3.33–21.81)	151	5.9 (5.07–6.91)	156	6.0 (5.15–6.98)
White	9	18.0 (8.58–31.44)	669	26.2 (24.57–27.99)	678	26.1 (24.43–27.81)
Total	50		2549		2599	
People without HIV						
American Indian or Alaska Native	0	0.0 (0.0–10.89)	9	0.2 (0.12–0.45)	9	0.2 (0.12–0.44)
Asian	1	3.1 (0.08–16.22)	250	6.5 (5.78–7.34)	251	6.5 (5.75–7.31)
Black or African American	6	18.8 (7.21–36.44)	401	10.5 (9.52–11.46)	407	10.5 (9.59–11.53)
Hispanic or Latino	13	40.6 (23.7–59.36)	1486	38.7 (37.2–40.28)	1499	38.7 (37.22–40.29)
Multiple Races	0	0.0 (0.0–10.89)	54	1.4 (1.08–1.83)	54	1.4 (1.07–1.82)
Native Hawaiian or Other Pacific Islander	0	0.0 (0.0–10.89)	21	0.5 (0.36–0.84)	21	0.5 (0.36–0.83)
Other	1	3.1 (0.08–16.22)	75	2.0 (1.56–2.44)	76	2.0 (1.57–2.45)
Unknown	1	3.1 (0.08–16.22)	343	8.9 (8.08–9.88)	344	8.9 (8.03–9.83)
White	10	31.2 (16.12–50.01)	1198	31.2 (29.78–32.71)	1208	31.2 (29.78–32.7)
Total	32		3837		3869	

*Indicates non-overlapping confidence intervals.

Appendix Table 3. Demographic characteristics of prolonged vs nonprolonged mpox infections excluding records with a missing illness onset date, California, 2022–2024 (n = 5360)

Characteristic	Prolonged		Nonprolonged		Total	
	n	% (95% CI)	n	% (95% CI)	n	% (95% CI)
Gender						
Male	72	94.7 (87.07–98.55)	5007	94.8 (94.12–95.33)	5079	94.8 (94.13–95.32)
Female	2	2.6 (0.32–9.18)	116	2.2 (1.83–2.63)	118	2.2 (1.84–2.63)
No option specified	2	2.6 (0.32–9.18)	129	2.4 (2.06–2.89)	131	2.4 (2.06–2.89)
Declined/Unknown	0	0.0 (0.0–4.74)	32	0.6 (0.43–0.85)	32	0.6 (0.42–0.84)
Sexual orientation						
Gay, lesbian, or same-gender loving	48	63.2 (51.31–73.94)	3675	69.5 (68.29–70.78)	3723	69.5 (68.21–70.68)
Bisexual	10	13.2 (6.49–22.87)	519	9.8 (9.05–10.65)	529	9.9 (9.1–10.7)
Heterosexual or straight	7	9.2 (3.78–18.06)	437	8.3 (7.56–9.04)	444	8.3 (7.58–9.05)
Declined to answer	3	3.9 (0.82–11.11)	171	3.2 (2.79–3.75)	174	3.2 (2.8–3.76)
Orientation not listed	0	0.0 (0–4.74)	84	1.6 (1.29–1.96)	84	1.6 (1.27–1.94)
Unknown	8	10.5 (4.66–19.69)	398	7.5 (6.85–8.28)	406	7.6 (6.9–8.31)
Race/ethnicity						
Hispanic or Latino	34	44.7 (33.31–56.59)	2335	44.2 (42.86–45.53)	2369	44.2 (42.87–45.53)
White	18	23.7 (14.68–34.82)	1590	30.1 (28.87–31.34)	1608	30.0 (28.79–31.24)
Black or African American*	17	22.4 (13.6–33.38)	607	11.5 (10.66–12.38)	624	11.6 (10.81–12.53)
Asian	1	1.3 (0.03–7.11)	306	5.8 (5.19–6.45)	307	5.7 (5.14–6.38)
Other	2	2.6 (0.32–9.18)	90	1.7 (1.39–2.09)	92	1.7 (1.4–2.1)
Multiple Races	0	0.0 (0.0–4.74)	81	1.5 (1.24–1.9)	81	1.5 (1.22–1.87)
American Indian or Alaska Native	1	1.3 (0.03–7.11)	20	0.4 (0.25–0.58)	21	0.4 (0.26–0.6)
Native Hawaiian or Other Pacific Islander	0	0.0 (0.0–4.74)	26	0.5 (0.34–0.72)	26	0.5 (0.33–0.71)
Unknown	3	3.9 (0.82–11.11)	229	4.3 (3.82–4.92)	232	4.3 (3.82–4.91)
Mean age (95% CI)	38.05	36.9–39.21	36.93	36.79–37.07	3.68	3.66–3.7
Person experiencing homelessness						
Yes homeless	7	9.2 (3.78–18.06)	223	4.2 (3.71–4.8)	230	4.3 (3.78–4.87)
Not homeless	36	47.4 (35.79–59.16)	2265	42.9 (41.54–44.2)	2301	42.9 (41.61–44.26)
Declined	1	1.3 (0.03–7.11)	51	1.0 (0.73–1.27)	52	1.0 (0.74–1.27)
Unknown	32	42.1 (30.86–53.98)	2745	51.9 (50.6–53.29)	2777	51.8 (50.47–53.15)
Total	76		5284		5360	

*Indicates non-overlapping confidence intervals.

Appendix Table 4. Clinical characteristics of prolonged vs. nonprolonged mpox cases excluding records with a missing illness onset date, California, 2022–2024 (n = 5360)

Characteristic	Prolonged		Nonprolonged		Total	
	n	% (95% CI)	n	% (95% CI)	n	% (95% CI)
Hospitalization						
Yes*	20	26.3 (16.87–37.68)	252	4.8 (4.23–5.38)	272	5.1 (4.52–5.7)
No*	49	64.5 (52.66–75.12)	4615	87.3 (86.42–88.21)	4664	87.0 (86.09–87.89)
Unknown	7	9.2 (3.78–18.06)	417	7.9 (7.2–8.65)	424	7.9 (7.22–8.66)
Vaccination status						
Unvaccinated*	72	94.7 (87.07–98.55)	4492	85.0 (84.02–85.95)	4564	85.1 (84.17–86.08)
One dose vaccinated	2	2.6 (0.32–9.18)	237	4.5 (3.96–5.08)	239	4.5 (3.94–5.04)
Post-exposure vaccinated	2	2.6 (0.32–9.18)	480	9.1 (8.34–9.89)	482	9.0 (8.26–9.79)
Two dose vaccinated	0	0.0 (0.0–4.74)	75	1.4 (1.13–1.78)	75	1.4 (1.12–1.75)
Severity score						
Mean (95% CI)	3.67	3.47–3.88	3.68	3.66–3.7	3.68	3.66–3.7
Total	76		5284		5360	

*Indicates non-overlapping confidence intervals.