**Supplemental Table. Descriptive characteristics of individuals with repeat positive SARS-CoV-2 tests 90 days or more after initial test, 4 U.S. Jurisdictions, July 2020–November 2021.**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Total** | **NH Residents** | **HCP** |
| n (%) | n (%) | n (%) |
| 1534 (100%) | 1177 (77%) | 357 (23%) |
| **State** | - | - | - |
| *Kentucky* | 35 (2%) | 20 (2%) | 15 (4%) |
| *Nebraska* | 16 (1%) | 8 (1%) | 8 (2%) |
| *Pennsylvania* | 1437 (94%) | 1128 (96%) | 309 (87%) |
| *District of Columbia* | 46 (3%) | 21 (2%) | 25 (7%) |
| **Median Age, years [IQR]** | 70 [50-84] | 77 [64-87] | 42 [31-53] |
| **Median days from initial infection to repeat positive test, days [IQR]** | 151 [114-203] | 149 [113-203] | 153 [120-204] |
| **Sex** | - | - | - |
| *Male* | 492 (32%) | 439 (37%) | 53 (15%) |
| *Female* | 1042 (68%) | 738 (63%) | 304 (85%) |
| **Race a** | - | - | - |
| *African American* | 156 (12%) | 113 (12%) | 43 (15%) |
| *Asian* | 15 (1%) | 7 (1%) | 8 (3%) |
| *Native Hawaiian/Pacific Islander* | 1 (0%) | 1 (0%) | 0 |
| *White* | 1097 (86%) | 862 (88%) | 235 (82%) |
| *Other* | 5 (0%) | 3 (0%) | 2 (0%) |
| **Ethnicity b** | - | - | - |
| *Hispanic/Latino* | 48 (7%) | 26 (5%) | 22 (12%) |
| *Non-Hispanic/Latino* | 617 (93%) | 461 (95%) | 156 (88%) |
| **Comorbidities c** | - | - | - |
| *1 or more* | 437 (58%) | 324 (71%) | 113 (38%) |
| *None* | 314 (42%) | 133 (29%) | 181 (62%) |
| **Initial Positive Test Characteristics d** | - | - | - |
| *Tested by PCR only* | 1504 (98%) | 1157 (98%) | 346 (97%) |
| *Tested by Antigen only* | 8 (1%) | 18 (2%) | 4 (1%) |
| **Repeat Positive Test Characteristics e** | - | - | - |
| *Tested by PCR only* | 1329 (87%) | 1030 (88%) | 299 (85%) |
| *Tested by Antigen only* | 182 (12%) | 136 (12%) | 46 (13%) |
| *Tested by PCR and Antigen on same day* | 20 (1%) | 11 (1%) | 9 (3%) |
| **Month Repeat Positive Test Occurred** | - | - | - |
| *July* | 46 (3%) | 40 (3%) | 6 (2%) |
| *August* | 89 (6%) | 84 (7%) | 5 (1%) |
| *September* | 81 (5%) | 66 (6%) | 15 (4%) |
| *October* | 133 (9%) | 112 (10%) | 21 (6%) |
| *November* | 374 (24%) | 291 (25%) | 83 (23%) |
| *December* | 437 (28%) | 305 (26%) | 132 (37%) |
| *January* | 268 (17%) | 197 (17%) | 71 (20%) |
| *February* | 97 (6%) | 78 (7%) | 19 (5%) |
| *March* | 9 (1%) | 4 (0%) | 5 (1%) |
| **Testing Between Initial and Repeat Positive Test** | - | - | - |
| *At least 1 negative PCR or Ag test* | 1250 (81%) | 957 (81%) | 293 (82%) |
| *At least 2 negative PCR or Ag tests* | 1031 (67%) | 786 (67%) | 245 (69%) |
| *Had a negative PCR or Ag 14 days prior to REPOST* | 1219 (79%) | 946 (80%) | 273 (77%) |
| *Median days from last PCR or Ag test to repeat positive test [IQR]* | 7 [4-18] | 7 [5-20] | 7 [4-14] |
| **Symptom status at repeat positive episode f** | **-** | **-** | **-** |
| *Asymptomatic* | 78 (82%) | 47 (89%) | 31 (74%) |
| *Symptomatic* | 17 (18%) | 6 (11%) | 11 (26%) |
| **Confirmed COVID-19 exposure at repeat positive episode g** | - | - | - |
| *Yes* | 17 (63%) | 12 (71%) | 5 (50%) |
| *No* | 10 (37%) | 5 (29%) | 5 (50%) |
| **Suspected COVID-19 exposure in NH outbreak at repeat positive episode h** | - | - | - |
| *Yes* | 74 (73%) | 46 (81%) | 28 (62%) |
| *No* | 28 (27%) | 11 (19%) | 17 (38%) |
| **Index Case in NH Outbreak i** | - | - | - |
| *Yes* | 0 (0%) | 0 (0%) | 0 (0%) |
| *No* | 59 (100%) | 38 (100%) | 21 (100%) |
| Abbreviations: NH = Nursing Home; HCP = Healthcare Personnel |  |
| a Race is unknown for 260 individuals (191 residents, 69 HCP) |
| b Ethnicity is unknown for 869 individuals (690 residents, 179 HCP) |
| c Comorbidities are unknown for 783 individuals (720 residents, 63 HCP) |
| d Initial test type is unknown for 8 individuals (2 residents, 6 HCP) |
| e Repeat test type is unknown for 3 individuals (0 residents, 3 HCP) |
| f Symptom status at repeat episode is unknown for 1,439 individuals (1124 residents, 315 HCP) |
| g Confirmed COVID-19 exposure at time of repeat test is unknown for 1,507 individuals (1,160 residents, 347 HCP) |
| h Suspected COVID-19 exposure during a nursing home outbreak at time of repeat positive test is unknown for 1,432 individuals (1,120 residents, 312 HCP) |
| i Index case status is unknown for 1,475 individuals (1139 residents, 336 HCP) |