Supplementary Table 1: Frequency of sexual activity in lockdown compared with 2019 by gender, age, sexuality and relationship status

|  | N | $\begin{gathered} \text { No sex now \& no } \\ \text { sex in } 2019 \\ \mathrm{n}(\%) \end{gathered}$ | Less sex compared with 2019 n (\%) | Same amount of sex as 2019 <br> n (\%) | $\begin{aligned} & \text { More sex than } \\ & \text { in } 2019 \\ & \text { n }(\%) \end{aligned}$ | p value* |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Overall | 883 | 77 (8.7) | 472 (53.5) | 208 (23.6) | 126 (14.3) | N/A |
| Gender |  |  |  |  |  |  |
| Male | 214 | 21 (9.8) | 127 (59.4) | 40 (18.7) | 26 (12.2) | 0.23 |
| Female | 629 | 51 (8.1) | 322 (51.2) | 160 (25.4) | 96 (15.3) |  |
| Gender diverse $\dagger$ | 39 | 5 (12.8) | 22 (56.4) | 8 (20.5) | 4 (10.3) |  |
| Age |  |  |  |  |  |  |
| 18-29 years | 578 | 51 (8.8) | 324 (56.1) | 111 (19.2) | 92 (15.9) | $<0.01$ |
| 30+ years | 300 | 25 (8.3) | 144 (48.0) | 97 (32.3) | 34 (11.3) |  |
| Sexual identity $\ddagger$ |  |  |  |  |  |  |
| Heterosexual/straight | 572 | 53 (9.3) | 289 (50.5) | 149 (26.1) | 81 (14.2) | $<0.01$ |
| MSM | 80 | 5 (6.3) | 56 (70.0) | 14 (17.5) | 5 (6.3) |  |
| WSW | 195 | 10 (5.1) | 110 (56.4) | 38 (19.5) | 37 (19.0) |  |
| Other | 34 | 8 (23.5) | 16 (47.1) | 7 (20.6) | 3 (8.8) |  |
| Relationship status§ |  |  |  |  |  |  |
| In a relationship and cohabiting | 321 | 5 (1.6) | 108 (33.6) | 146 (45.5) | 62 (19.3) | $<0.01$ |
| In a relationship, not cohabiting | 221 | 10 (4.5) | 129 (58.4) | 43 (19.5) | 39 (17.7) |  |
| Single | 307 | 62 (20.2) | 212 (69.1) | 12 (3.9) | 21 (6.8) |  |
| Other | 31 | 0 (0.0) | 21 (67.7) | 6 (19.4) | 4 (12.9) |  |

Supplementary Table 2: Type of sex partner/s in lockdown compared with 2019 by gender, age, sexuality and relationship status

|  | Spouse/partner |  |  | Girlfriend/boyfriend |  |  | Casual hook up |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{gathered} 2019 \\ \mathrm{n} / \mathrm{N}^{*}(\%) \end{gathered}$ | Lockdown $\mathrm{n} / \mathrm{N}^{*}(\%)$ | $\begin{gathered} \text { Diff \% } \\ \text { (95\%CI) } \end{gathered}$ | $\begin{gathered} 2019 \\ \mathrm{n} / \mathrm{N}^{*}(\%) \end{gathered}$ | Lockdown $\mathrm{n} / \mathrm{N}^{*}(\%)$ | $\begin{gathered} \text { Diff \% } \\ (95 \% \mathrm{CI}) \end{gathered}$ | $\begin{gathered} 2019 \\ \mathrm{n} / \mathrm{N}^{*}(\%) \end{gathered}$ | Lockdown $\mathrm{n} / \mathrm{N}^{*}(\%)$ | $\begin{gathered} \text { Diff \% } \\ \text { (95\%CI) } \end{gathered}$ |
| Overall | $\begin{gathered} \hline 290 / 822 \\ (35.3) \end{gathered}$ | $\begin{gathered} \hline 225 / 540 \\ (41.7) \end{gathered}$ | $\begin{gathered} 6.4 \\ (3.6,9.2) \end{gathered}$ | $\begin{gathered} \hline 371 / 822 \\ (45.1) \end{gathered}$ | $\begin{gathered} \hline 226 / 540 \\ (41.8) \end{gathered}$ | $\begin{gathered} -3.3 \\ (-7.0,-0.4) \end{gathered}$ | $\begin{gathered} 256 / 822 \\ (31.4) \end{gathered}$ | $\begin{gathered} 42 / 540 \\ (7.8) \end{gathered}$ | $\begin{gathered} -23.4 \\ (-26.9,-19.8) \end{gathered}$ |
| Gender Male | $\begin{gathered} 65 / 200 \\ (32.5) \end{gathered}$ | $\begin{gathered} 49 / 109 \\ (44.9) \end{gathered}$ | $\begin{gathered} 12.4 \\ (5.3,19.6) \end{gathered}$ | $\begin{gathered} 83 / 200 \\ (41.5) \end{gathered}$ | $\begin{gathered} 42 / 109 \\ (38.5) \end{gathered}$ | $\begin{gathered} -3.0 \\ (-11.3,5.4) \end{gathered}$ | $\begin{gathered} 81 / 200 \\ (40.5) \end{gathered}$ | $\begin{gathered} 12 / 109 \\ (11.0) \end{gathered}$ | $\begin{gathered} -29.5 \\ (-37.2,-21.8) \end{gathered}$ |
| Female | $\begin{gathered} 207 / 589 \\ (35.1) \end{gathered}$ | $\begin{gathered} 162 / 407 \\ (39.8) \end{gathered}$ | $\begin{gathered} 4.6 \\ (1.6,7.7) \end{gathered}$ | $\begin{gathered} 274 / 589 \\ (46.5) \end{gathered}$ | $\begin{gathered} 177 / 407 \\ (43.5) \end{gathered}$ | $\begin{gathered} -3.0 \\ (-7.3,1.3) \end{gathered}$ | $\begin{gathered} 162 / 589 \\ (27.5) \end{gathered}$ | $\begin{gathered} 27 / 407 \\ (6.6) \end{gathered}$ | $\begin{gathered} -20.9 \\ (-24.9,-16.8) \end{gathered}$ |
| Gender diverse $\dagger$ | $\begin{aligned} & 18 / 33 \\ & (54.5) \end{aligned}$ | $\begin{aligned} & 14 / 24 \\ & (58.3) \end{aligned}$ | $\begin{gathered} 3.8 \\ (-13.7,21.3) \end{gathered}$ | $\begin{aligned} & 14 / 33 \\ & (42.4) \end{aligned}$ | $\begin{aligned} & 7 / 24 \\ & (29.2) \end{aligned}$ | $\begin{gathered} -13.3 \\ (-29.6,3.1) \end{gathered}$ | $\begin{aligned} & 13 / 33 \\ & (39.4) \end{aligned}$ | $\begin{gathered} 3 / 24 \\ (12.5) \end{gathered}$ | $\begin{gathered} -26.9 \\ (-47.4,-6.4) \end{gathered}$ |
| Age |  |  |  |  |  |  |  |  |  |
| 18-29 | $\begin{gathered} 111 / 531 \\ (20.9) \end{gathered}$ | $\begin{gathered} 89 / 338 \\ (26.3) \end{gathered}$ | $\begin{gathered} 5.4 \\ (2.3,8.6) \end{gathered}$ | $\begin{gathered} 305 / 531 \\ (57.4) \end{gathered}$ | $\begin{gathered} 186 / 338 \\ (55.0) \end{gathered}$ | $\begin{gathered} -2.4 \\ (-7.3,2.5) \end{gathered}$ | $\begin{gathered} 188 / 531 \\ (35.4) \end{gathered}$ | $\begin{gathered} 31 / 338 \\ (9.2) \end{gathered}$ | $\begin{gathered} -26.2 \\ (-31.0,-21.5) \end{gathered}$ |
| 30+ | $\begin{gathered} 176 / 287 \\ (61.3) \end{gathered}$ | $\begin{gathered} 135 / 200 \\ (67.5) \end{gathered}$ | $\begin{gathered} 6.2 \\ (1.3,11.1) \end{gathered}$ | $\begin{gathered} 65 / 287 \\ (22.6) \end{gathered}$ | $\begin{gathered} 39 / 200 \\ (19.5) \end{gathered}$ | $\begin{gathered} -3.1 \\ (-8.4,2.1) \end{gathered}$ | $\begin{gathered} 68 / 287 \\ (26.7) \end{gathered}$ | $\begin{gathered} 11 / 200 \\ (5.5) \end{gathered}$ | $\begin{gathered} -18.2 \\ (-23.2,-13.1) \end{gathered}$ |
| Sexual identity $\ddagger$ |  |  |  |  |  |  |  |  |  |
| Heterosexual | $\begin{gathered} 199 / 532 \\ (37.4) \end{gathered}$ | $\begin{gathered} 158 / 354 \\ (44.6) \end{gathered}$ | $\begin{gathered} 7.2 \\ (3.8,10.6) \end{gathered}$ | $\begin{gathered} 231 / 532 \\ (43.4) \end{gathered}$ | $\begin{gathered} 139 / 354 \\ (39.3) \end{gathered}$ | $\begin{gathered} -4.2 \\ (-8.4,0.6) \end{gathered}$ | $\begin{gathered} 129 / 532 \\ (24.2) \end{gathered}$ | $\begin{gathered} 23 / 354 \\ (6.5) \end{gathered}$ | $\begin{gathered} -17.8 \\ (-21.8,-13.7) \end{gathered}$ |
| MSM | $\begin{aligned} & 15 / 73 \\ & (20.6) \end{aligned}$ | $\begin{gathered} 7 / 33 \\ (21.2) \end{gathered}$ | $\begin{gathered} 0.7 \\ (-12.4,13.8) \end{gathered}$ | $\begin{aligned} & 29 / 73 \\ & (39.7) \end{aligned}$ | $\begin{aligned} & 17 / 33 \\ & (52.5) \end{aligned}$ | $\begin{gathered} 11.8 \\ (-4.9,28.5) \end{gathered}$ | $\begin{aligned} & 42 / 73 \\ & (57.5) \end{aligned}$ | $\begin{gathered} 7 / 33 \\ (21.2) \end{gathered}$ | $\begin{gathered} -36.3 \\ (-52.5,-20.2) \end{gathered}$ |
| WSW | $\begin{gathered} 58 / 183 \\ (31.7) \end{gathered}$ | $\begin{gathered} 46 / 129 \\ (35.7) \end{gathered}$ | $\begin{gathered} 4.0 \\ (-1.4,9.4) \end{gathered}$ | $\begin{aligned} & 97 / 183 \\ & (53.0) \end{aligned}$ | $\begin{gathered} 63 / 129 \\ (48.8) \end{gathered}$ | $\begin{gathered} -4.2 \\ (-13.2,5.9) \end{gathered}$ | $\begin{gathered} 72 / 183 \\ (39.3) \end{gathered}$ | $\begin{gathered} 9 / 129 \\ (7.0) \end{gathered}$ | $\begin{gathered} -32.4 \\ (-40.4,-24.3) \end{gathered}$ |
| Other | $\begin{aligned} & 18 / 34 \\ & (52.9) \end{aligned}$ | $\begin{aligned} & 14 / 24 \\ & (58.3) \end{aligned}$ | $\begin{gathered} 5.4 \\ (-12.2,22.9) \end{gathered}$ | $\begin{aligned} & 14 / 34 \\ & (41.2) \end{aligned}$ | $\begin{gathered} 7 / 24 \\ (29.2) \end{gathered}$ | $\begin{gathered} -12.0 \\ (-28.3,4.3) \end{gathered}$ | $\begin{gathered} 13 / 34 \\ (38.32) \end{gathered}$ | $\begin{gathered} 3 / 24 \\ (12.5) \end{gathered}$ | $\begin{gathered} -25.7 \\ (-46.0,-5.5) \end{gathered}$ |
| Relationship <br> status§ |  |  |  |  |  |  |  |  |  |
| In a relationship and cohabiting | $\begin{gathered} 222 / 327 \\ (67.9) \end{gathered}$ | $\begin{gathered} 193 / 285 \\ (67.7) \end{gathered}$ | $\begin{gathered} -0.2 \\ (-2.7,2.4) \end{gathered}$ | $\begin{gathered} 106 / 327 \\ (32.4) \end{gathered}$ | $\begin{gathered} 95 / 285 \\ (33.3) \end{gathered}$ | $\begin{gathered} 0.9 \\ (-2.4,4.2) \end{gathered}$ | $\begin{gathered} 35 / 327 \\ (10.7) \end{gathered}$ | $\begin{gathered} 3 / 285 \\ (1.1) \end{gathered}$ | $\begin{gathered} -9.7 \\ (-12.9,-6.4) \end{gathered}$ |
| In a relationship, not cohabiting | $\begin{gathered} 37 / 215 \\ (17.2) \end{gathered}$ | $\begin{gathered} 20 / 141 \\ (14.2) \end{gathered}$ | $\begin{gathered} -3.0 \\ (-7.9,1.9) \end{gathered}$ | $\begin{gathered} 163 / 215 \\ (75.8) \end{gathered}$ | $\begin{gathered} 115 / 141 \\ (81.6) \end{gathered}$ | $\begin{gathered} 5.7 \\ (-1.3,12.8) \end{gathered}$ | $\begin{gathered} 58 / 215 \\ (27.0) \end{gathered}$ | $\begin{gathered} 4 / 141 \\ (2.8) \end{gathered}$ | $\begin{gathered} -24.1 \\ (-30.7,-17.6) \end{gathered}$ |
| Single | $\begin{gathered} 20 / 243 \\ (8.2) \end{gathered}$ | $\begin{aligned} & 2 / 89 \\ & (2.3) \end{aligned}$ | $\begin{gathered} -6.0 \\ (-10.3,-1.7) \end{gathered}$ | $\begin{gathered} 85 / 243 \\ (35.0) \end{gathered}$ | $\begin{array}{r} 8 / 89 \\ (9.0) \end{array}$ | $\begin{gathered} -26.0 \\ (-34.6,-17.4) \end{gathered}$ | $\begin{gathered} 146 / 243 \\ (60.1) \end{gathered}$ | $\begin{aligned} & 32 / 89 \\ & (36.0) \end{aligned}$ | $\begin{gathered} -24.1 \\ (-35.7,-12.6) \end{gathered}$ |
| Other | $\begin{aligned} & 10 / 35 \\ & (28.6) \end{aligned}$ | $\begin{gathered} 9 / 24 \\ (37.5) \end{gathered}$ | $\begin{gathered} 8.9 \\ (-9.0,26.8) \end{gathered}$ | $\begin{aligned} & 16 / 35 \\ & (45.7) \end{aligned}$ | $\begin{gathered} 8 / 24 \\ (33.3) \end{gathered}$ | $\begin{gathered} -12.4 \\ (-34.8,10.1) \end{gathered}$ | $\begin{aligned} & 17 / 35 \\ & (48.6) \end{aligned}$ | $\begin{gathered} 3 / 24 \\ (12.5) \end{gathered}$ | $\begin{gathered} -36.1 \\ (-59.0,-13.1) \end{gathered}$ |

[^0]Supplementary Table 3: Odds ratios for the association of lockdown versus 2019 with app use by characteristics of survey participants

| Characteristic | OR (95\% CI)* | $\mathbf{P}$ value for interaction $\dagger$ |
| :---: | :---: | :---: |
| Gender |  | 0.51 |
| Male | 0.6 (0.5, 0.8) |  |
| Female | $0.5(0.4,0.6)$ |  |
| Other | 0.6 (0.3, 1.1) |  |
| Age |  | 0.18 |
| 18-29 years | $0.5(0.4,0.6)$ |  |
| 30+years | $0.6(0.5,0.8)$ |  |
| Sexual identity ${ }_{\text {\% }}$ |  | 0.07 |
| Heterosexual | $0.6(0.5,0.7)$ |  |
| MSM | $0.4(0.3,0.6)$ |  |
| WSW | 0.3 (0.2, 0.4) |  |
| Other | 0.7 (0.4, 1.4) |  |
| Relationship status§ |  | $<0.01$ |
| In a relationship and cohabitating | 0.3 (0.2, 0.4) |  |
| In a relationship but not cohabitating | $0.2(0.1,0.3)$ |  |
| Single | 0.8 (0.6, 1.0) |  |
| Other | 0.4 (0.2, 0.9) |  |

* Odds ratio for the association between lockdown (versus 2019) and dating app use stratified by different values of the characteristics. $\dagger \mathrm{P}$ value from the likelihood ratio test comparing the logistic regression model with and without the interaction between each characteristic and time period (lockdown versus 2019). $\ddagger$ MSM=men who have sex with men (including bisexual men); WSW=women who have sex with women (including bisexual women); Other=asexual and non-binary, and those who selected 'something else' § 'In a relationship' includes those who selected married/de facto/boyfriend/girffriend/LAT (living apart together) or long distance relationship; 'cohabiting' defined as living with partner/s; Single includes those who selected single/divorced/widowed (and did not select another relationship); Other includes people who selected polyamorous or multiple partners (and did not select another relationship option, such as single), and those who indicated in comments that they were casually dating, but not exclusive.

Supplementary Table 4: Use of dating apps in lockdown compared with 2019 by participant gender, age, sexual identity and relationship status

|  | Chatting/texting |  |  | Organising face-to-face dates |  |  | Organising virtual dates |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{gathered} 2019 \\ \mathrm{n} / \mathrm{N}^{*}(\%) \\ \hline \end{gathered}$ | $\begin{gathered} 2020 \\ \mathrm{n} / \mathrm{N}^{*}(\%) \\ \hline \end{gathered}$ | $\begin{gathered} \text { Diff* }^{(95 \% \mathrm{CI})} \\ \hline \end{gathered}$ | $\begin{gathered} 2019 \\ \mathrm{n} / \mathrm{N}^{*}(\%) \\ \hline \end{gathered}$ | $\begin{gathered} 2020 \\ \mathrm{n} / \mathrm{N}^{*}(\%) \\ \hline \end{gathered}$ | $\begin{gathered} \text { Diff* } \\ (95 \% \mathrm{CI}) \\ \hline \end{gathered}$ | $\begin{gathered} 2019 \\ \mathrm{n} / \mathrm{N}^{*}(\%) \\ \hline \end{gathered}$ | $\begin{gathered} 2020 \\ \mathrm{n} / \mathrm{N}^{*}(\%) \\ \hline \end{gathered}$ | $\begin{gathered} \text { Diff* }^{\prime} \\ (95 \% \mathrm{CI}) \\ \hline \end{gathered}$ |
| Overall | $\begin{gathered} \hline 352 / 392 \\ (89.8) \end{gathered}$ | $\begin{gathered} 242 / 256 \\ (94.5) \end{gathered}$ | $\begin{gathered} 4.7 \\ (1.0,8.5) \end{gathered}$ | $\begin{gathered} \hline 271 / 392 \\ (69.1) \end{gathered}$ | $\begin{gathered} 41 / 256 \\ (16.0) \end{gathered}$ | $\begin{gathered} -53.1 \\ (-59.0,-47.2) \end{gathered}$ | $\begin{gathered} 10 / 392( \\ (2.6) \end{gathered}$ | $\begin{gathered} \hline 44 / 256 \\ (17.2) \end{gathered}$ | $\begin{gathered} 14.6 \\ (10.1,19.2) \end{gathered}$ |
| Gender |  |  |  |  |  |  |  |  |  |
| Male | $\begin{gathered} 98 / 111 \\ (88.3) \end{gathered}$ | $\begin{aligned} & 77 / 84 \\ & (91.7) \end{aligned}$ | $\begin{gathered} 3.4 \\ (-3.6,10.4) \end{gathered}$ | $\begin{gathered} 63 / 111 \\ (56.8) \end{gathered}$ | $\begin{aligned} & 10 / 84 \\ & (11.9) \end{aligned}$ | $\begin{gathered} -44.9 \\ (-55.0,-34.7) \end{gathered}$ | $\begin{gathered} 4 / 111 \\ (3.6) \end{gathered}$ | $\begin{aligned} & 14 / 84 \\ & (16.7) \end{aligned}$ | $\begin{gathered} 13.1 \\ (5.1,21.0) \end{gathered}$ |
| Female | $\begin{gathered} 240 / 264 \\ (90.9) \end{gathered}$ | $\begin{gathered} 155 / 159 \\ (97.5) \end{gathered}$ | $\begin{gathered} 6.6 \\ (2.5,10.6) \end{gathered}$ | $\begin{gathered} 196 / 264 \\ (74.2) \end{gathered}$ | $\begin{gathered} 27 / 159 \\ (17.0) \end{gathered}$ | $\begin{gathered} -57.3 \\ (-64.5,-50.0) \end{gathered}$ | $\begin{gathered} 5 / 264 \\ (1.9) \end{gathered}$ | $\begin{gathered} 26 / 159 \\ (16.4) \end{gathered}$ | $\begin{gathered} 14.5 \\ (8.7,20.2) \end{gathered}$ |
| Gender diverse $\dagger$ | $\begin{aligned} & 14 / 17 \\ & (82.4) \end{aligned}$ | $\begin{aligned} & 10 / 13 \\ & (76.9) \end{aligned}$ | $\begin{gathered} -5.4 \\ (-36.3,25.4) \end{gathered}$ | $\begin{aligned} & 12 / 17 \\ & (70.6) \end{aligned}$ | $\begin{gathered} 4 / 13 \\ (30.8) \end{gathered}$ | $\begin{gathered} -39.8 \\ (-78.4,-1.2) \end{gathered}$ | $\begin{aligned} & 1 / 17 \\ & (5.9) \end{aligned}$ | $\begin{aligned} & 4 / 13 \\ & (30.8) \end{aligned}$ | $\begin{gathered} 24.9 \\ (1.3,48.5) \end{gathered}$ |
| Age |  |  |  |  |  |  |  |  |  |
| 18-29 | $\begin{gathered} 274 / 299 \\ (91.6) \end{gathered}$ | $\begin{gathered} 181 / 191 \\ (94.8) \end{gathered}$ | $\begin{gathered} 3.1 \\ (-1.2,7.4) \end{gathered}$ | $\begin{gathered} 202 / 299 \\ (67.6) \end{gathered}$ | $\begin{gathered} 32 / 191 \\ (16.8) \end{gathered}$ | $\begin{gathered} -50.8 \\ (-57.7,-44.0) \end{gathered}$ | $\begin{gathered} 8 / 299 \\ (2.7) \end{gathered}$ | $\begin{gathered} 30 / 191 \\ (15.7) \end{gathered}$ | $\begin{gathered} 13.0 \\ (7.8,18.2) \end{gathered}$ |
| 30+ | $\begin{aligned} & 78 / 93 \\ & (83.9) \end{aligned}$ | $\begin{aligned} & 61 / 65 \\ & (93.8) \end{aligned}$ | $\begin{gathered} 10.0 \\ (2.3,17.6) \end{gathered}$ | $\begin{aligned} & 69 / 93 \\ & (74.2) \end{aligned}$ | $\begin{gathered} 9 / 65 \\ (13.8) \end{gathered}$ | $\begin{gathered} -60.3 \\ (-71.8,-48.9) \end{gathered}$ | $\begin{aligned} & 2 / 93 \\ & (2.2) \end{aligned}$ | $\begin{aligned} & 14 / 65 \\ & (21.5) \end{aligned}$ | $\begin{gathered} 19.4 \\ (9.9,28.8) \end{gathered}$ |
| Sexual identity: |  |  |  |  |  |  |  |  |  |
| Heterosexual | $\begin{gathered} 190 / 212 \\ (89.6) \end{gathered}$ | $\begin{gathered} 141 / 148 \\ (95.3) \end{gathered}$ | $\begin{gathered} 5.6 \\ (0.6,10.7) \end{gathered}$ | $\begin{gathered} 148 / 212 \\ (69.8) \end{gathered}$ | $\begin{gathered} 27 / 148 \\ (18.2) \end{gathered}$ | $\begin{gathered} -51.6 \\ (-59.3,-43.8) \end{gathered}$ | $\begin{gathered} 4 / 212 \\ (1.9) \end{gathered}$ | $\underset{(14.2)}{21 / 148}$ | $\begin{gathered} 12.3 \\ (6.7,17.9) \end{gathered}$ |
| MSM | $\begin{aligned} & 54 / 59 \\ & (91.5) \end{aligned}$ | $\begin{aligned} & 38 / 40 \\ & (95.0) \end{aligned}$ | $\begin{gathered} 3.5 \\ (-2.6,9.5) \end{gathered}$ | $\begin{aligned} & 34 / 59 \\ & (57.6) \end{aligned}$ | $\begin{aligned} & 2 / 40 \\ & (5.0) \end{aligned}$ | $\begin{gathered} -52.6 \\ (-66.1,-39.1) \end{gathered}$ | $\begin{array}{r} 2 / 59 \\ (3.4) \end{array}$ | $\begin{gathered} 5 / 40 \\ (12.5) \end{gathered}$ | $\begin{gathered} 9.1 \\ (-0.9,19.1) \end{gathered}$ |
| WSW | $\begin{gathered} 97 / 107 \\ (90.7) \end{gathered}$ | $\begin{aligned} & 53 / 55 \\ & (96.4) \end{aligned}$ | $\begin{gathered} 5.7 \\ (-1.0,12.4) \end{gathered}$ | $\begin{aligned} & 79 / 107 \\ & (73.8) \end{aligned}$ | $\begin{gathered} 8 / 55 \\ (14.5) \end{gathered}$ | $\begin{gathered} -59.3 \\ (-71.4,-47.2) \end{gathered}$ | $\begin{gathered} 3 / 107 \\ (2.8) \end{gathered}$ | $\begin{aligned} & 14 / 55 \\ & (25.5) \end{aligned}$ | $\begin{gathered} 22.7 \\ (10.9,34.4) \end{gathered}$ |
| Other | $\begin{aligned} & 11 / 14 \\ & (78.6) \end{aligned}$ | $\begin{gathered} 9 / 12 \\ (75.0) \end{gathered}$ | $\begin{gathered} -3.6 \\ (-38.6,31.4) \end{gathered}$ | $\begin{aligned} & 10 / 14 \\ & (71.4) \end{aligned}$ | $\begin{aligned} & 4 / 12 \\ & (33.3) \end{aligned}$ | $\begin{gathered} -38.1 \\ (-79.3,3.1) \end{gathered}$ | $\begin{array}{r} 1 / 14 \\ (7.1) \end{array}$ | $\begin{aligned} & 4 / 12 \\ & (33.3) \end{aligned}$ | $\begin{gathered} 26.2 \\ (0.5,51.9) \end{gathered}$ |
| Relationship status§ |  |  |  |  |  |  |  |  |  |
| In a relationship and cohabiting | $\begin{aligned} & 58 / 69 \\ & (84.1) \end{aligned}$ | $\begin{aligned} & 22 / 23 \\ & (95.7) \end{aligned}$ | $\begin{gathered} 11.6 \\ (1.5,21.7) \end{gathered}$ | $\begin{aligned} & 41 / 69 \\ & (59.4) \end{aligned}$ | $\begin{aligned} & 0 / 23 \\ & (0.0) \end{aligned}$ | N/A | $\begin{array}{r} 2 / 69 \\ (2.9) \end{array}$ | $\begin{aligned} & 4 / 23 \\ & (17.4) \end{aligned}$ | $\begin{gathered} 14.5 \\ (-0.6,29.6) \end{gathered}$ |
| In a relationship, not cohabiting | $\begin{aligned} & 76 / 86 \\ & (88.4) \end{aligned}$ | $\begin{aligned} & 16 / 20 \\ & (80.0) \end{aligned}$ | $\begin{gathered} -8.4 \\ (-25.3,8.5) \end{gathered}$ | $\begin{aligned} & 63 / 86 \\ & (73.3) \end{aligned}$ | $\begin{gathered} 3 / 20 \\ (15.0) \end{gathered}$ | $\begin{gathered} -58.3 \\ (-75.7,-40.7) \end{gathered}$ | $\begin{aligned} & 2 / 86 \\ & (2.3) \end{aligned}$ | $\begin{aligned} & 1 / 20 \\ & (5.0) \end{aligned}$ | $\begin{gathered} 2.7 \\ (-7.5,12.9) \end{gathered}$ |
| Single | $\begin{gathered} 198 / 213 \\ (93.0) \end{gathered}$ | $\begin{gathered} 188 / 196 \\ (96.0) \end{gathered}$ | $\begin{gathered} 3.0 \\ (-1.3,7.2) \end{gathered}$ | $\begin{gathered} 148 / 213 \\ (69.5) \end{gathered}$ | $\begin{gathered} 33 / 196 \\ (16.8) \end{gathered}$ | $\begin{gathered} -52.6 \\ (-59.8,-45.5) \end{gathered}$ | $\begin{gathered} 5 / 213 \\ (2.4) \end{gathered}$ | $\begin{gathered} 33 / 196 \\ (16.8) \end{gathered}$ | $\begin{gathered} 14.5 \\ (9.3,19.7) \end{gathered}$ |
| Other | $\begin{aligned} & 20 / 24 \\ & (83.3) \end{aligned}$ | $\begin{aligned} & 16 / 17 \\ & (94.1) \end{aligned}$ | $\begin{gathered} 1.8 \\ (-8.7,30.2) \end{gathered}$ | $\begin{aligned} & 19 / 24 \\ & (79.2) \end{aligned}$ | $\begin{gathered} 5 / 17 \\ (29.4) \end{gathered}$ | $\begin{gathered} -49.7 \\ (-81.1,-18.4) \end{gathered}$ | $\begin{aligned} & 1 / 24 \\ & (4.2) \end{aligned}$ | $\begin{gathered} 6 / 17 \\ (35.3) \end{gathered}$ | $\begin{gathered} 31.1 \\ (9.3,52.9) \end{gathered}$ |

Supplementary Table 4 continued: Use of dating apps in lockdown compared with 2019 by participant gender, age, sexual identity and relationship status

|  | Organising face-to face-hook-ups |  |  | Sexting |  |  | Swapping pictures and videos |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{gathered} 2019 \\ \mathbf{n} / \mathbf{N}^{*}(\%) \end{gathered}$ | $\begin{gathered} 2020 \\ \mathbf{n} / \mathbf{N} *(\%) \\ \hline \end{gathered}$ | $\begin{gathered} \text { Diff } \\ (95 \% \mathrm{CI}) \end{gathered}$ | $\begin{gathered} 2019 \\ \mathbf{n} / \mathbf{N}^{*}(\%) \\ \hline \end{gathered}$ | $\begin{gathered} 2020 \\ \mathbf{n} / \mathbf{N}^{*}(\%) \\ \hline \end{gathered}$ | $\begin{gathered} \text { Diff } \\ (95 \% \text { CI }) \end{gathered}$ | $\begin{gathered} 2019 \\ \mathbf{n} / \mathbf{N}^{*}(\%) \\ \hline \end{gathered}$ | $\begin{gathered} 2020 \\ \mathbf{n} / \mathbf{N}^{*}(\%) \\ \hline \end{gathered}$ | $\begin{gathered} \text { Diff } \\ (95 \% \text { CI }) \end{gathered}$ |
| Overall | $\begin{gathered} 183 / 392 \\ (46.7) \end{gathered}$ | $\begin{gathered} 38 / 256 \\ (14.8) \end{gathered}$ | $\begin{gathered} -31.8 \\ (-37.8,-25.9) \end{gathered}$ | $\begin{gathered} 125 / 392 \\ (31.9) \end{gathered}$ | $\begin{gathered} 83 / 256 \\ (32.4) \end{gathered}$ | $\begin{gathered} 0.5 \\ (-5.1,6.2) \end{gathered}$ | $\begin{gathered} 113 / 392 \\ (28.8) \end{gathered}$ | $\begin{gathered} 78 / 256 \\ (30.5) \end{gathered}$ | $\begin{gathered} 1.6 \\ (-3.5,6.9) \end{gathered}$ |
| Gender |  |  |  |  |  |  |  |  |  |
| Male | $\begin{gathered} 68 / 111 \\ (61.3) \end{gathered}$ | $\begin{aligned} & 17 / 84 \\ & (20.2) \end{aligned}$ | $\begin{gathered} -41.0 \\ (-52.2,-29.9) \end{gathered}$ | $\begin{gathered} 48 / 111 \\ (43.2) \end{gathered}$ | $\begin{aligned} & 37 / 84 \\ & (44.0) \end{aligned}$ | $\begin{gathered} 0.8 \\ (-10.0,11.6) \end{gathered}$ | $\begin{gathered} 53 / 111 \\ (47.7) \end{gathered}$ | $\begin{aligned} & 37 / 84 \\ & (44.0) \end{aligned}$ | $\begin{gathered} -3.7 \\ (-13.7,5.7) \end{gathered}$ |
| Female | $\begin{gathered} 103 / 264 \\ (39.0) \end{gathered}$ | $\begin{gathered} 18 / 159 \\ (11.3) \end{gathered}$ | $\begin{gathered} -27.7 \\ (-34.7,-20.7) \end{gathered}$ | $\begin{gathered} 70 / 264 \\ (26.5) \end{gathered}$ | $\begin{gathered} 39 / 159 \\ (24.5) \end{gathered}$ | $\begin{gathered} -2.0 \\ (-8.6,4.6) \end{gathered}$ | $\begin{gathered} 55 / 264 \\ (20.8) \end{gathered}$ | $\begin{gathered} 36 / 159 \\ (22.6) \end{gathered}$ | $\begin{gathered} 1.8 \\ (-4.5,8.1) \end{gathered}$ |
| Gender diverse $\dagger$ | $\begin{aligned} & 12 / 17 \\ & (70.6) \end{aligned}$ | $\begin{gathered} 3 / 13 \\ (23.1) \end{gathered}$ | $\begin{gathered} -47.5 \\ (-80.9,-14.2) \end{gathered}$ | $\begin{gathered} 7 / 17 \\ (41.2) \end{gathered}$ | $\begin{gathered} 7 / 13 \\ (53.9) \end{gathered}$ | $\begin{gathered} 12.7 \\ (-13.5,38.9) \end{gathered}$ | $\begin{gathered} 5 / 17 \\ (29.4) \end{gathered}$ | $\begin{gathered} 5 / 13 \\ (38.5) \end{gathered}$ | $\begin{gathered} 9.0 \\ (-11.3,29.4) \end{gathered}$ |
| Age |  |  |  |  |  |  |  |  |  |
| 18-29 | $\begin{gathered} 134 / 299 \\ (44.8) \end{gathered}$ | $\begin{gathered} 29 / 191 \\ (15.2) \end{gathered}$ | $\begin{gathered} -29.6 \\ (-36.7,-22.6) \end{gathered}$ | $\begin{gathered} 94 / 299 \\ (31.4) \end{gathered}$ | $\begin{gathered} 62 / 191 \\ (32.5) \end{gathered}$ | $\begin{gathered} 1.0 \\ (-5.6,7.7) \end{gathered}$ | $\begin{gathered} 73 / 299 \\ (24.4) \end{gathered}$ | $\begin{gathered} 56 / 191 \\ (29.3) \end{gathered}$ | $\begin{gathered} 4.9 \\ (-1.2,11.0) \end{gathered}$ |
| 30+ | $\begin{aligned} & 49 / 93 \\ & (52.7) \end{aligned}$ | $\begin{gathered} 9 / 65 \\ (13.8) \end{gathered}$ | $\begin{gathered} -38.8 \\ (-50.2,-27.5) \end{gathered}$ | $\begin{aligned} & 31 / 93 \\ & (33.3) \end{aligned}$ | $\begin{aligned} & 21 / 65 \\ & (32.3) \end{aligned}$ | $\begin{gathered} -1.0 \\ (-11.9,9.8) \end{gathered}$ | $\begin{aligned} & \text { 40/93 } \\ & (43.0) \end{aligned}$ | $\begin{aligned} & 22 / 65 \\ & (33.8) \end{aligned}$ | $\begin{gathered} -9.2 \\ (-19.1,0.8) \end{gathered}$ |
| Sexual identity $\ddagger$ |  |  |  |  |  |  |  |  |  |
| Heterosexual | $\begin{gathered} 80 / 212 \\ (37.7) \end{gathered}$ | $\begin{gathered} 22 / 148 \\ (14.9) \end{gathered}$ | $\begin{gathered} -22.9 \\ (-30.4,-15.3) \end{gathered}$ | $\begin{gathered} 51 / 212 \\ (24.1) \end{gathered}$ | $\begin{gathered} 35 / 148 \\ (23.6) \end{gathered}$ | $\begin{gathered} -0.4 \\ (-7.2,6.3) \end{gathered}$ | $\begin{gathered} 41 / 212 \\ (19.3) \end{gathered}$ | $\begin{gathered} 33 / 148 \\ (22.3) \end{gathered}$ | $\begin{gathered} 3.0 \\ (-3.3,9.3) \end{gathered}$ |
| MSM | $\begin{aligned} & 48 / 59 \\ & (81.4) \end{aligned}$ | $\begin{gathered} 7 / 40 \\ (17.5) \end{gathered}$ | $\begin{gathered} -63.9 \\ (-79.1,-48.6) \end{gathered}$ | $\begin{aligned} & 37 / 59 \\ & (62.7) \end{aligned}$ | $\begin{aligned} & 24 / 40 \\ & (60.0) \end{aligned}$ | $\begin{gathered} -2.7 \\ (-19.7,14.3) \end{gathered}$ | $\begin{aligned} & 42 / 59 \\ & (71.2) \end{aligned}$ | $\begin{aligned} & 25 / 40 \\ & (62.5) \end{aligned}$ | $\begin{gathered} -8.7 \\ (-21.9,4.5) \end{gathered}$ |
| WSW | $\begin{gathered} 47 / 107 \\ (43.9) \end{gathered}$ | $\begin{gathered} 6 / 55 \\ (10.9) \end{gathered}$ | $\begin{gathered} -33.0 \\ (-44.9,-21.1) \end{gathered}$ | $\begin{gathered} 34 / 107 \\ (31.8) \end{gathered}$ | $\begin{aligned} & 19 / 55 \\ & (34.5) \end{aligned}$ | $\begin{gathered} 2.8 \\ (-9.7,15.2) \end{gathered}$ | $\begin{gathered} 28 / 107 \\ (26.2) \end{gathered}$ | $\begin{aligned} & 17 / 55 \\ & (30.9) \end{aligned}$ | $\begin{gathered} 4.7 \\ (-7.3,16.8) \end{gathered}$ |
| Other | $\begin{gathered} 8 / 14 \\ (57.1) \end{gathered}$ | $\begin{gathered} 3 / 12 \\ (25.0) \end{gathered}$ | $\begin{gathered} -32.1 \\ (-68.4,4.1) \end{gathered}$ | $\begin{gathered} 3 / 14 \\ (21.4) \end{gathered}$ | $\begin{gathered} 5 / 12 \\ (41.7) \end{gathered}$ | $\begin{gathered} 20.2 \\ (-7.6,48.1) \end{gathered}$ | $\begin{gathered} 2 / 14 \\ (14.3) \end{gathered}$ | $\begin{gathered} 3 / 12 \\ (25.0) \end{gathered}$ | $\begin{gathered} 10.7 \\ (-7.1,28.5) \end{gathered}$ |
| Relationship status§ In a relationship and cohabiting | $\begin{aligned} & 33 / 69 \\ & (47.8) \end{aligned}$ | $\begin{aligned} & 2 / 23 \\ & (8.7) \end{aligned}$ | $\begin{gathered} -39.1 \\ (-54.5,-23.7) \end{gathered}$ | $\begin{aligned} & 21 / 69 \\ & (30.4) \end{aligned}$ | $\begin{gathered} 9 / 23 \\ (39.1) \end{gathered}$ | $\begin{gathered} 8.7 \\ (-11.1,28.5) \end{gathered}$ | $\begin{aligned} & 24 / 69 \\ & (34.8) \end{aligned}$ | $\begin{aligned} & 10 / 23 \\ & (43.5) \end{aligned}$ | $\begin{gathered} 8.7 \\ (-10.2,27.6) \end{gathered}$ |
| In a relationship, not cohabiting | $\begin{aligned} & 26 / 86 \\ & (30.2) \end{aligned}$ | $\begin{gathered} 4 / 20 \\ (20.0) \end{gathered}$ | $\begin{gathered} -10.2 \\ (-28.3,7.9) \end{gathered}$ | $\begin{aligned} & 19 / 86 \\ & (22.1) \end{aligned}$ | $\begin{gathered} 7 / 20 \\ (35.0) \end{gathered}$ | $\begin{gathered} 12.9 \\ (-8.0,33.8) \end{gathered}$ | $\begin{aligned} & 16 / 86 \\ & (18.6) \end{aligned}$ | $\begin{gathered} 4 / 20 \\ (20.0) \end{gathered}$ | $\begin{gathered} 1.4 \\ (-15.6,18.4) \end{gathered}$ |
| Single | $\begin{gathered} 111 / 213 \\ (52.1) \end{gathered}$ | $\begin{gathered} 28 / 196 \\ (14.3) \end{gathered}$ | $\begin{gathered} -37.8 \\ (-45.3,-30.3) \end{gathered}$ | $\begin{gathered} 76 / 213 \\ (35.7) \end{gathered}$ | $\begin{gathered} 62 / 196 \\ (31.6) \end{gathered}$ | $\begin{gathered} -4.0 \\ (-10.5,2.4) \end{gathered}$ | $\begin{gathered} 66 / 213 \\ (31.0) \end{gathered}$ | $\begin{gathered} 61 / 196 \\ (31.1) \end{gathered}$ | $\begin{gathered} 0.1 \\ (-5.8,6.1) \end{gathered}$ |
| Other | $\begin{aligned} & 13 / 24 \\ & (54.2) \\ & \hline \end{aligned}$ | $\begin{gathered} 4 / 17 \\ (23.5) \\ \hline \end{gathered}$ | $\begin{gathered} -30.6 \\ (-56.9,-4.4) \\ \hline \end{gathered}$ | $\begin{gathered} 9 / 24 \\ (37.5) \\ \hline \end{gathered}$ | $\begin{gathered} 5 / 17 \\ (29.4) \\ \hline \end{gathered}$ | $\begin{gathered} -8.1 \\ (-33.6,17.4) \\ \hline \end{gathered}$ | $\begin{array}{r} 7 / 24 \\ (29.2) \\ \hline \end{array}$ | $\begin{gathered} 3 / 17 \\ (17.6) \\ \hline \end{gathered}$ | $\begin{gathered} -11.5 \\ (-33.0,10.0) \\ \hline \end{gathered}$ |

Diff = difference in proportions, lockdown-2019. Calculated from logistic regression model; *N=number of people reporting sex during the time period and answering the question; $\dagger$ gender diverse includes trans and non-binary; $\ddagger$ MSM=men who have sex with men (including bisexual men); WSW=women who have sex with women (including bisexual women); Other=asexual and non-binary, and those who selected 'something else' §'In a relationship'= married/de facto/boyfriend/girlfriend/LAT (living apart together) or long distance relationship; 'cohabiting'=living with partner/s; Single=single/divorced/widowed (and did not select another relationship); Other=polyamorous or multiple partners (and did not select another relationship option, such as single), and those who indicated in comments that they were casually dating, but not exclusive.


[^0]:    Diff= difference in proportions, 2019-lockdown. Calculated from logistic regression model ; *N=number of people reporting sex during the time period and answering the question; $\dagger$ gender diverse includes trans and nonbinary; $\ddagger$ MSM=men who have sex with men (including bisexual men), WSW=women who have sex with women (including bisexual women), Other=asexual and non-binary, and those who selected 'something else'; § 'I arelationship'= married/de facto/boyfriend/girlfriend/LAT (living apart together) or long distance relationship; 'cohabiting'=living with partner/s; Single=single/divorced/widowed (and did not select another relationship); Other=polyamorous or multiple partners (and did not select another relationship option, such as single), and those who indicated in comments that they were casually dating, but not exclusive

