(iii) Never(iv) I don't know

989	(I) Introduction
990	(1) We care about the quality of our data. In order for us to get the most accurate measures of your knowledge
991	and opinions, it is important that you thoughtfully provide your best answers to each question in this study.
992	Will you provide your best answers to each question in this study?
993 994	(i) I will provide my best answers.
995	(ii) I will not provide my best answers.
996	(iii) I can not promise either way.
997	
998	(II) Background  Note: Please answer the questions in this questionnaire as they pertain to your primary smartphone and your
999 1000	Note: Please answer the questions in this questionnaire as they pertain to your primary smartphone and your practices during typical (i.e., NON-COVID) times.
1001	
1002	(1) What is the Operating System (OS) of your phone?
1003	(a) Android
1004 1005	(b) iOS
1006	(c) Other. (Please specify:) [text box]
1007	(2) Does your device use any type of lock (e.g., PIN, password, pattern, fingerprint, faceID, etc.)?
1008	(i) Yes
1009 1010	(ii) No
1010	(iii) Don't know
1012	(3) If 'Yes' is selected for previous question- "Does your device use any type of lock (e.g., PIN, password, pattern
1013	fingerprint, faceID, etc.)?" then ask- Who other than you can unlock your device? (Select all that apply.)
1014	(i) Parents
1015 1016	(ii) Spouse
1017	(iii) Siblings
1018	(iv) Friends
1019	(v) Children older than 13
1020 1021	(vi) Other family members
1022	(vii) Colleagues
1023	(viii) Other. (Please specify:) [text box]
1024	(4) If 'Android' is selected for question- "What is the Operating System (OS) of your phone?" then ask- What
1025	settings have you enabled for lock screen notifications?
1026 1027	(i) Show All
1028	(ii) Hide Sensitive
1029	(iii) Hide All
1030	(iv) I don't know
1031	(5) If 'iOS' is selected for question- "What is the Operating System (OS) of your phone?" then ask- What option
1033	have you enabled for notification previews?
1034	(i) Always
1035	(ii) When unlocked

1041	(6) If 'iOS' is selected for question- "What is the Operating System (OS) of your phone?" then ask- For the most
1042	frequently used app in each of the following categories, what option have you enabled for 'Show Previews'?
1043	[Choose one from the options: Always, When unlocked, Never, Notification disabled, I don't know, N/A]
1044 1045	(i) Instant messaging
1046	(ii) Social media
1047	(iii) Calendar
1048	(iv) E-mail
1049	(v) Banking and payments
1050 1051	(vi) Work based or professional purposes
1052	(vii) Travel and navigation
1053	(viii) Health and fitness
1054	
1055	(ix) Dating
1056 1057	(III) Notifications and smartphone features
1058	(1) How many notifications have you received in the last hour? NOTE: Include all types of notifications (i.e. app
1059	icon badges, notification center, lock screen, and banners).
1060	(i) 0
1061	(ii) 1 to 9
1062 1063	(iii) 10 to 19
1064	(iv) 20 to 29
1065	(v) 30 or more
1066	(2) On a typical day, how frequently do you pick up your phone to check, clear, or address notifications?
1067	(i) Once in about 5 minutes
1068 1069	(ii) Once in about 15 minutes
1070	(iii) Once in about 30 minutes
1071	(iv) Once in about 1 hour
1072	(v) Once in about 3 hours
1073	(vi) Once in about 6 hours
1074 1075	(vii) Once in about 12 hours
1076	(viii) Once in about 24 hours
1077	(ix) Whenever a notification is delivered
1078	(x) Something else. (Please specify:) [text box]
1079 1080	(3) Does your screen wake up when a notification is delivered?
1081	(i) Never
1082	(ii) Sometimes
1083	(iii) About half the time
1084 1085	(iv) Most of the time
1086	(v) Always
1087	(vi) Do not know
1088	(4) For each of the following actions, mention how many hours in a typical day (from 0 to 24) you use it.
1089	(i) Use Do Not Disturb (DND) Mode [a list of numbers from 0 to 24]
1090 1091	(ii) Use Silent mode [a list of numbers from 0 to 24]
1092	(ii) Ose offent mode (a list of numbers from 6 to 21)

1144

(iii) Switch off the device [a list of numbers from 0 to 24] 1094 (iv) Use Airplane mode [a list of numbers from 0 to 24] 1095 (v) Use notification management apps [a list of numbers from 0 to 24] 1096 (5) Mention the most frequently used Google service or product on your primary smartphone device. To ensure 1097 that you are participating attentively, please select the 'Translate' option. [Attention Check Question] 1098 (i) Docs (ii) Hangouts (iii) Maps 1102 (iv) Photos 1103 1104 (v) Scholar 1105 (vi) Sheets 1106 (vii) Slides 1107 (viii) Translate 1108 1109 (ix) Other. (Please mention:) [Text Box] 1110 (6) Please explain your reasons for the answers to the previous question. (Optional) [an essay type text box] 1111 (IV) Device sharing behaviour 1112 (1) How frequently can someone else view notifications on your phone in any of the following places? (Choose one from the scale: Never, Few times a month, Few times a week, Once a day, Few times a day) 1115 (i) Home 1116 (ii) Public Transport 1117 (iii) Cafeterias and restaurants 1118 1119 (iv) Meetings 1120 (v) Seminars and presentations 1121 (vi) Stores and markets 1122 (vii) Classes 1123 1124 (viii) Others. (Please specify:) [text box] 1125 (2) How frequently do you share your phone with the following people? (Choose one from the scale: Never, Less than once a week, Few times a week, Multiple times a week, Once a day, Few times a day, Multiple times a day and N/A.) 1128 1129 (i) Spouse 1130 (ii) Siblings 1131 (iii) Parents 1132 (iv) Children older than 13 1133 1134 (v) Friends 1135 (vi) Other family members 1136 (vii) Colleagues 1137 (viii) Strangers 1138 1139 (3) Please explain your reasons for the answers to the previous question. (Optional) [Text Box] (4) When you hand over your smartphone to someone else, which of the following actions do you take? (Select 1141 all that apply.) 1142 (i) Nothing 1143

(ii) Close running applications 1145 1146 (iii) Clear notifications 1147 (iv) Enable guest mode or second space 1148 (v) Enable app locks 1149 (vi) Change accessibility settings 1150 1151 (vii) Watch over the other person's use of the phone (viii) Check all the applications used by the person (ix) Other. (Please specify:)[text box] 1154 (5) If 'Clear notifications' is selected in previous question, "When you hand over your smartphone to someone 1155 1156 else, which of the following actions do you take?", then ask- Do you clear notifications from screen before 1157 handing over your phone to the following people? (Choose one from the scale: Never, Rarely, Sometimes, 1158 Always and N/A.) 1159 (i) Spouse 1160 1161 (ii) Siblings 1162 (iii) Parents 1163 (iv) Children older than 13 1164 (v) Friends 1165 1166 (vi) Other family members 1167 (vii) Colleagues 1168 (viii) Strangers 1169 (V) Last Notification 1170 1171 Think about the latest notification that you received on your smartphone. Please answer the following questions 1172 with respect to that notification. 1173 (1) Which app sent the notification? [Text Box] 1174 (2) If 'Android' is selected for question, "What Operating System (OS) is used by your phone?", then ask- How do 1175 1176 you receive notifications from this app? (Select all that apply.) 1177 (i) Lock Screen 1178 (ii) Notification drawer (iii) Floating notification 1180 1181 (iv) App Badge 1182 (v) Do not know 1183 (vi) Other. (Please specify:) [Text Box] 1184 (3) If 'iOS' is selected for question, "What Operating System (OS) is used by your phone?", then ask- How do you 1185 1186 receive notifications from this app? (Select all that apply.) 1187 (i) Lock Screen 1188 (ii) Notification center 1189 (iii) Banner (permanently) 1190 1191 (iv) Banner (temporarily) (v) App Badge 1193 (vi) Do not know 1194 (vii) Other. (Please specify:) [Text Box] 1195

1196

(4) How quickly did you address the notification after you first saw it? 1197 1198 (i) within a minute 1199 (ii) within 5 minute 1200 (iii) within 30 minute 1201 (iv) within an hour 1202 1203 (v) within 6 hours (vi) within 12 hours (vii) within 24 hours 1206 (viii) Other. (Please specify:) [Text box] 1207 1208 (5) What action did you take when you first became aware that you had received this notification? 1209 (i) Read the notification preview (title) 1210 (ii) Read the notification content 1211 (iii) Cleared it from the phone lock screen 1212 1213 (iv) Cleared it from the notification center/ drawer 1214 (v) Opened the relevant app to address the notification 1215 (vi) Did not do anything 1216 (vii) Prevented further notifications from the app (Please tell us how:) [Text box] (viii) Other. (Please specify:) [Text box] 1219 (6) How concerned would you be if someone else viewed this notification? [Choose from a 5-point Likert Scale 1220 ranging from Extremely concerned to Completely unconcerned] 1221 (7) Please explain your reasons for the answers to the previous question. (Optional) [Text Box] 1222 1223 (8) Did this notification include information pertaining to another person? 1224 (i) Yes 1225 (ii) No 1226 (iii) Other. (Please specify:) [Text box] 1228 (9) If 'Yes' is selected for previous question, "Did this notification include information pertaining to another 1229 person?", then ask- How concerned do you think the person would be if the content of the notification was seen by someone other than you? [Choose from a 5-point Likert Scale ranging from Extremely concerned to Extremely unconcerned] 1233 (VI) Negative Experience with Notifications 1234 (1) How many times have you experienced negative experiences related to notifications? 1235 (i) 0 1236 (ii) 1-2 1237 (iii) 3-5 1239 (iv) 6-10 1240 (v) 11-20 1241 (vi) More than 20 1242 1243 (2) Of the negative experiences related to notifications that you have encountered, please tell us a bit about the most negative experience. [text box] (3) If '0' is not selected in previous question, "How many times have you experienced negative experiences related

to notifications? 0 Is Not Selected", then ask- What caused the negative experience?

(iv) Photos(v) Scholar(vi) Sheets

(vii) Slides

1298

1299 1300

(i) I had given my phone to someone else when the notification arrived. 1249 1250 (ii) I left the phone screen unlocked. 1251 (iii) I forgot to take appropriate actions to silence the notification. 1252 (iv) I was screen casting / projecting the device display to others (e.g., in a presentation) when the notification 1253 popped up on screen. 1254 1255 (v) The notification included sensitive content. (Please specify:) [Text Box] (vi) Others. (Please specify:) [Text Box] (VII) Content sensitivity for different app categories 1258 Reminder: Please answer the questions in this questionnaire as they pertain to your primary smartphone and 1259 1260 your practices during typical (i.e., NON-COVID) times. 1261 (1) How concerned would you be if a family member reads the content of a notification from each of the app 1262 categories listed below? [Choose from a 5-point Likert Scale ranging from Extremely concerned to Extremely 1263 unconcerned or N/A.] 1264 1265 (i) Instant messaging 1266 (ii) Social media 1267 (iii) Calendar 1268 (iv) E-mail (v) Banking and payments 1271 (vi) Health and fitness 1272 (vii) Dating 1273 (2) Please explain your reasons for the answers to the previous question. (Optional) [Text Box] 1274 1275 (3) How concerned would you be if a colleague reads the content of a notification from each of the listed app 1276 category? [Choose from a 5-point Likert Scale ranging from Extremely concerned to Extremely unconcerned 1277 or N/A.] 1278 (i) Instant messaging 1279 1280 (ii) Social media 1281 (iii) Calendar (iv) E-mail (v) Banking and payments 1284 1285 (vi) Health and fitness 1286 (vii) Dating 1287 (4) Please explain your reasons for the answers to the previous question. (Optional) [Text Box] 1288 (5) Mention the most frequently used Google product. To ensure that you are participating attentively, please 1289 1290 select the 'Translate' option. [Attention check question] 1291 (i) Docs 1292 (ii) Hangouts 1293 (iii) Maps 1294 1295

1301	(viii) Translate
1302	(ix) Other. (Please mention:) [Text Box]
1303 1304	(6) Have you enabled additional locking (e.g., PIN, password, etc.) for any of the following categories of apps?
1305	(Select all that apply.) NOTE: We are asking about locking that you enabled on your own, separate from the
1306	screen lock for the device or a mandatory lock/login forced by the app.
1307	(i) Instant messaging
1308	(ii) Social media
1309 1310	(iii) Calendar
1311	(iv) E-mail
1312	(v) Banking and payments
1313	(vi) Health and fitness
1314	(vii) Dating
1315	(viii) Apps for work
1316 1317	
1318	(ix) Travel and navigation
1319	(x) None
1320	(VIII) Measuring mobile users' concerns for information privacy [42]
1321 1322	(1) Please indicate your level of agreement with the following statements: [Choose one option from 7 point
1323	Likert-Scale ranging from Strongly Agree to Strongly Disagree.]
1324	(i) I believe that the location of my mobile device is monitored at least part of the time.
1325	(ii) I am concerned that mobile apps are collecting too much information about me.
1326	(iii) I am concerned that mobile apps may monitor my activities on my mobile device.
1327	(iv) I feel that, as a result of my using mobile apps, others know about me more than I am comfortable with.
1328 1329	(v) I should select somewhat agree for this question. [attention check question]
1330	(vi) I believe that, as a result of my using mobile apps, information about me that I consider private is now more
1331	readily available to others than I would want.
1332	(vii) I feel that, as a result of my using mobile apps, information about me is out there that, if used, will invade
1333 1334	my privacy.
1335	(IX) Technical Efficacy [5]
1336	(1) Please indicate your level of agreement with the following statements: [Choose one option from: Never, Rarely,
1337	Sometimes, Always and N/A.]
1338	(i) In general, I often have difficulty when using my smartphone, apps, websites, or computer programs.
1339 1340	(ii) In general, I am not able to solve questions or problems on my own when using my smartphone, apps,
1341	websites, or computer programs.
1342	(iii) In general, I need support when trying out something new on my smartphone or computer.
1343	(iv) In general, I find it hard to adjust settings of my smartphone, apps, websites, or computer programs (for
1344	example, privacy or safety settings).
1345 1346	(v) In general, I often have questions or problems when using my smartphone, apps, websites or computer
1347	programs after an update has been done.
1348	(X) Demographics
1240	(11) Demographics

Finally, please tell us a bit about yourself:

1351 1352 (2) What is your gender?

1353

1404

1354 (i) Male 1355 (ii) Female 1356 (iii) Non-binary 1357 (iv) Prefer to self-describe: [Text Box] 1358 1359 (v) Prefer not to disclose (3) What is your ethnic background? (Select all that apply.) (i) American Indian or Native American 1362 (ii) Asian 1363 1364 (iii) Black or African American 1365 (iv) Native Hawaiian or Pacific Islander 1366 (v) White 1367 (vi) Hispanic 1368 1369 (vii) Other. (Please specify:) [Text Box] 1370 (viii) Prefer not to say 1371 (4) What is the highest level of education you have completed? 1372 (i) Less than high school (ii) High school diploma 1375 (iii) Vocational training 1376 (iv) Some college 1377 (v) College graduate (B.S., B.A., or other 4 year degree) 1378 1379 (vi) Master's degree 1380 (vii) Doctoral degree 1381 (viii) Professional degree after college (e.g., law or medical school) 1382 (ix) Other. (Please specify:) [Text Box] 1383 1384 (x) Prefer not to say 1385 (5) What is your current employment status? (Select all that apply.) (i) Employed full time (ii) Employed part time 1388 1389 (iii) Unemployed looking for work 1390 (iv) Unemployed not looking for work 1391 (v) Homemaker 1392 (vi) Student 1393 1394 (vii) Retired 1395 (viii) Disabled 1396 (ix) Other. Please specify: [Text Box] 1397 (x) Prefer not to say 1398 1399 (6) If 'Employed full time' or 'Employed part time' or 'Unemployed looking for work' is selected for question "What is your current employment status?", then ask- What is your current employment status? What is your profession? [Text Box] 1402 1403

1405	(7) If 'Student' is selected for question "What is your current employment status?" then ask- What is your field of
1406	study? [Text Box]
1407	(8) What is your current annual household income before taxes?
1408 1409	(i) Less than \$10,000
1410	(ii) \$10,000 to \$19,999
1411	(iii) \$20,000 to \$29,999
1412	(iv) \$30,000 to \$39,999
1413 1414	(v) \$40,000 to \$49,999
1415	(vi) \$50,000 to \$59,999
1416	(vii) \$60,000 to \$69,999
1417	(viii) \$70,000 to \$79,999
1418 1419	(ix) \$80,000 to \$89,999
1420	(x) \$90,000 to \$99,999
1421	(xi) More than \$100,000
1422	(xii) Prefer not to disclose
1423 1424	(9) How many years have you lived in the United States of America? [List of numbers from 1 to 10 and the option-
1425	'More than 10 or All my life']
1426	(10) Including yourself, how many people live in your household? [List of numbers from 1 to 10 and the option-
1427	'More than 10']
1428 1429	(11) What is your current marital status?
1430	(i) Married
1431	(ii) Widowed
1432	(iii) Divorced
1433 1434	(iv) Separated
1435	(v) Never Married
1436	(vi) Prefer not to disclose
1437	(vii) Other. (Please specify:) [Text Box]
1438 1439	(XI) Closing
1440	(1) Is there anything else you would like to tell us? [Text Box]
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