

Appendix A

The list below is the ICD 10 codes used to define SUD.

|        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|
| F1110  | F1129  | F1221  | F13150 | F1329  | F14151 | F14929 |
| F11120 | F1190  | F12220 | F13151 | F1390  | F14159 | F1494  |
| F11121 | F11920 | F12221 | F13159 | F13920 | F14180 | F14950 |
| F11122 | F11921 | F12222 | F13180 | F13921 | F14181 | F14951 |
| F11129 | F11922 | F12229 | F13181 | F13929 | F14182 | F14959 |
| F1114  | F11929 | F12250 | F13182 | F13930 | F14188 | F14980 |
| F11150 | F1193  | F12251 | F13188 | F13931 | F1419  | F14981 |
| F11151 | F1194  | F12259 | F1319  | F13932 | F1420  | F14982 |
| F11159 | F11950 | F12280 | F1320  | F13939 | F1421  | F14988 |
| F11181 | F11951 | F12288 | F1321  | F1394  | F14220 | F1499  |
| F11182 | F11959 | F1229  | F13220 | F13950 | F14221 | F1510  |
| F11188 | F11981 | F1290  | F13221 | F13951 | F14222 | F15120 |
| F1119  | F11982 | F12920 | F13229 | F13959 | F14229 | F15121 |
| F1120  | F11988 | F12921 | F13230 | F1396  | F1423  | F15122 |
| F1121  | F1199  | F12922 | F13231 | F1397  | F1424  | F15129 |
| F11220 | F1210  | F12929 | F13232 | F13980 | F14250 | F1514  |
| F11221 | F12120 | F12950 | F13239 | F13981 | F14251 | F15150 |
| F11222 | F12121 | F12951 | F1324  | F13982 | F14259 | F15151 |
| F11229 | F12122 | F12959 | F13250 | F13988 | F14280 | F15159 |
| F1123  | F12129 | F12980 | F13251 | F1399  | F14281 | F15180 |
| F1124  | F12150 | F12988 | F13259 | F1410  | F14282 | F15181 |
| F11250 | F12151 | F1299  | F1326  | F14120 | F14288 | F15182 |
| F11251 | F12159 | F1310  | F1327  | F14121 | F1429  | F15188 |
| F11259 | F12180 | F13120 | F13280 | F14122 | F1490  | F1519  |
| F11281 | F12188 | F13121 | F13281 | F14129 | F14920 | F1520  |
| F11282 | F1219  | F13129 | F13282 | F1414  | F14921 | F1521  |
| F11288 | F1220  | F1314  | F13288 | F14150 | F14922 | F15220 |

|        |        |        |        |        |        |         |
|--------|--------|--------|--------|--------|--------|---------|
| F15221 | F16120 | F1694  | F18120 | F18950 | F19230 | F1997   |
| F15222 | F16121 | F16950 | F18121 | F18951 | F19231 | F19980  |
| F15229 | F16122 | F16951 | F18129 | F18959 | F19232 | F19981  |
| F1523  | F16129 | F16959 | F1814  | F1897  | F19239 | F19982  |
| F1524  | F1614  | F16980 | F18150 | F18980 | F1924  | F19988  |
| F15250 | F16150 | F16983 | F18151 | F18988 | F19250 | F1999   |
| F15251 | F16151 | F16988 | F18159 | F1899  | F19251 | F550    |
| F15259 | F16159 | F1699  | F1817  | F1910  | F19259 | F551    |
| F15280 | F16180 | F17200 | F18180 | F19120 | F1926  | F552    |
| F15281 | F16183 | F17201 | F18188 | F19121 | F1927  | F553    |
| F15282 | F16188 | F17203 | F1819  | F19122 | F19280 | F554    |
| F15288 | F1619  | F17208 | F1820  | F19129 | F19281 | F558    |
| F1529  | F1620  | F17209 | F1821  | F1914  | F19282 | O355XX0 |
| F1590  | F1621  | F17210 | F18220 | F19150 | F19288 | O355XX1 |
| F15920 | F16220 | F17211 | F18221 | F19151 | F1929  | O355XX2 |
| F15921 | F16221 | F17213 | F18229 | F19159 | F1990  | O355XX3 |
| F15922 | F16229 | F17218 | F1824  | F1916  | F19920 | O355XX4 |
| F15929 | F1624  | F17219 | F18250 | F1917  | F19921 | O355XX5 |
| F1593  | F16250 | F17220 | F18251 | F19180 | F19922 | O355XX9 |
| F1594  | F16251 | F17221 | F18259 | F19181 | F19929 | O99320  |
| F15950 | F16259 | F17223 | F1827  | F19182 | F19930 | O99321  |
| F15951 | F16280 | F17228 | F18280 | F19188 | F19931 | O99322  |
| F15959 | F16283 | F17229 | F18288 | F1919  | F19932 | O99323  |
| F15980 | F16288 | F17290 | F1829  | F1920  | F19939 | O99324  |
| F15981 | F1629  | F17291 | F1890  | F1921  | F1994  | O99325  |
| F15982 | F1690  | F17293 | F18920 | F19220 | F19950 | P0441   |
| F15988 | F16920 | F17298 | F18921 | F19221 | F19951 | P0449   |
| F1599  | F16921 | F17299 | F18929 | F19222 | F19959 | P961    |
| F1610  | F16929 | F1810  | F1894  | F19229 | F1996  | P962    |

|         |         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|---------|
| T400X1A | T401X1A | T405X3A | T407X3A | T408X3A | T40904A | T40994A |
| T400X1D | T401X1D | T405X3D | T407X3D | T408X3D | T40904D | T40994D |
| T400X1S | T401X1S | T405X3S | T407X3S | T408X3S | T40904S | T40994S |
| T400X3A | T401X3A | T405X4A | T407X4A | T408X4A | T40905A | T40995A |
| T400X3D | T401X3D | T405X4D | T407X4D | T408X4D | T40905D | T40995D |
| T400X3S | T401X3S | T405X4S | T407X4S | T408X4S | T40905S | T40995S |
| T400X4A | T401X4A | T405X5A | T407X5A | T408X5A | T40906A | T40996A |
| T400X4D | T401X4D | T405X5D | T407X5D | T408X5D | T40906D | T40996D |
| T400X4S | T401X4S | T405X5S | T407X5S | T408X5S | T40906S | T40996S |
| T400X5A | T401X5A | T405X6A | T407X6A | T40901A | T40991A |         |
| T400X5D | T401X5D | T405X6D | T407X6D | T40901D | T40991D |         |
| T400X5S | T401X5S | T405X6S | T407X6S | T40901S | T40991S |         |
| T400X6A | T405X1A | T407X1A | T408X1A | T40903A | T40993A |         |
| T400X6D | T405X1D | T407X1D | T408X1D | T40903D | T40993D |         |
| T400X6S | T405X1S | T407X1S | T408X1S | T40903S | T40993S |         |

SMI is defined using the codes below

|         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|
| F840    | T398X2S | T45602A | T50B12S | T600X2A | T655X2D |
| F3130   | T401X2A | T45622D | T50Z92A | T602X2D | T65812S |
| F3162   | T403X2D | T457X2S | T511X2D | T604X2S | T65892A |
| F3173   | T405X2S | T460X2A | T513X2S | T6102XA | T71112D |
| F3189   | T407X2A | T462X2D | T520X2A | T61772D | T71132S |
| F321    | T40902D | T464X2S | T522X2D | T618X2S | T71192A |
| F4311   | T410X2S | T467X2A | T524X2S | T621X2A | T71232D |
| F31     | T41292A | T46902D | T530X2A | T628X2D | X711XXD |
| F20     | T4142XD | T470X2S | T532X2D | T63002S | X713XXS |
| F2081   | T420X2S | T473X2A | T534X2S | T63032A | X72XXXA |
| F259    | T423X2A | T475X2D | T537X2A | T63062D | X731XXD |
| R45851  | T425X2D | T477X2S | T540X2D | T63082S | X738XXS |
| T361X2D | T4272XS | T480X2A | T542X2S | T63122A | X7402XA |
| T363X2S | T43022A | T48202D | T550X2A | T632X2D | X748XXD |
| T366X2A | T43202D | T483X2S | T560X2D | T63312S | X75XXXS |
| T368X2D | T43222S | T486X2A | T562X2S | T63392A | X771XXA |
| T370X2S | T434X2A | T486X2D | T565X2A | T63422D | X773XXD |
| T373X2A | T43592D | T48992A | T567X2D | T63442S | X779XXS |
| T375X2D | T43612S | T491X2D | T56892S | T63482A | X782XXA |
| T3792XS | T43692A | T493X2S | T571X2A | T63592D | X789XXD |
| T382X2A | T4392XD | T496X2A | T573X2D | T63622S | X80XXXS |
| T384X2D | T441X2S | T498X2D | T5792XS | T63712A | X818XXA |
| T386X2S | T444X2A | T500X2S | T582X2A | T63812D | X821XXD |
| T38812A | T446X2D | T503X2A | T5892XD | T63832S | X828XXS |
| T38902D | T448X2S | T505X2D | T591X2S | T6402XA | X832XXA |
| T39012S | T450X2A | T507X2S | T594X2A | T650X2D | F313    |
| T392X2A | T452X2D | T50992A | T596X2D | T65212S | F258    |
| T39392D | T454X2S | T50A22D | T59812S | T653X2A | F3131   |

|         |         |         |         |         |          |
|---------|---------|---------|---------|---------|----------|
| F3162   | T407X2D | T465X2A | T530X2D | T63012A | X72XXXD  |
| F3174   | T40902S | T467X2D | T532X2S | T63032D | X731XXS  |
| F319    | T411X2A | T46902S | T535X2A | T63062S | X739XXA  |
| F322    | T41292D | T471X2A | T537X2D | T63092A | X7402XD  |
| F4312   | T4142XS | T473X2D | T540X2S | T63122D | X748XXS  |
| F200    | T421X2A | T475X2S | T543X2A | T632X2S | X76XXXA  |
| F2089   | T423X2D | T478X2A | T550X2D | T63322A | X771XXD  |
| F28     | T425X2S | T480X2D | T560X2S | T63392D | X773XXS  |
| T360X2A | T428X2A | T48202S | T563X2A | T63422S | X780XXA  |
| T361X2S | T43022D | T484X2A | T565X2D | T63452A | X782XXD  |
| T364X2A | T43202S | T486X2S | T567X2S | T63482D | X789XXS  |
| T366X2D | T43292A | T48992D | T5692XA | T63592S | X810XXA  |
| T368X2S | T434X2D | T491X2S | T571X2D | T63632A | X818XXD  |
| T371X2A | T43592S | T494X2A | T573X2S | T63712D | X821XXS  |
| T373X2D | T43622A | T496X2D | T5802XA | T63812S | X830XXA  |
| T375X2S | T43692D | T498X2S | T582X2D | T63892A | X832XXD  |
| T380X2A | T4392XS | T501X2A | T5892XS | T6402XD | F3132    |
| T382X2D | T442X2A | T503X2D | T592X2A | T650X2S | FSwa3163 |
| T384X2S | T444X2D | T505X2S | T594X2D | T65222A | F3175    |
| T387X2A | T446X2S | T508X2A | T596X2S | T653X2D | F323     |
| T38812D | T44902A | T50992D | T59892A | T655X2S | F201     |
| T38902S | T450X2D | T50A22S | T600X2D | T65822A | F209     |
| T39092A | T452X2S | T50B92A | T602X2S | T65892D | F29      |
| T392X2D | T45512A | T50Z92D | T608X2A | T71112S | T360X2D  |
| T39392S | T45602D | T511X2S | T6102XD | T71152A | T362X2A  |
| T3992XA | T45622S | T518X2A | T61772S | T71192D | T364X2D  |
| T401X2D | T458X2A | T520X2D | T6192XA | T71232S | T366X2S  |
| T403X2S | T460X2D | T522X2S | T621X2D | X711XXS | T3692XA  |
| T40602A | T462X2S | T528X2A | T628X2S | X718XXA | T371X2D  |

|         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|
| T373X2S | T43622D | T496X2S | T5802XD | T63822A | X830XXD |
| T378X2A | T43692S | T4992XA | T582X2S | T63892D | X832XXS |
| T380X2D | T440X2A | T501X2D | T590X2A | T6402XS | F310    |
| T382X2S | T442X2D | T503X2S | T592X2D | T651X2A | F314    |
| T385X2A | T444X2S | T506X2A | T594X2S | T65222D | F3164   |
| T387X2D | T447X2A | T508X2D | T597X2A | T653X2S | F3176   |
| T38812S | T44902D | T50992S | T59892D | T656X2A | F331    |
| T38992A | T450X2S | T50A92A | T600X2S | T65822D | F202    |
| T39092D | T453X2A | T50B92D | T603X2A | T65892S | F21     |
| T392X2S | T45512D | T50Z92S | T608X2D | T71122A | T360X2S |
| T394X2A | T45602S | T512X2A | T6102XS | T71152D | T362X2D |
| T3992XD | T45692A | T518X2D | T61782A | T71192S | T364X2S |
| T401X2S | T458X2D | T520X2S | T6192XD | V6284   | T367X2A |
| T404X2A | T460X2S | T523X2A | T621X2S | X712XXA | T3692XD |
| T40602D | T463X2A | T528X2D | T6292XA | X718XXD | T371X2S |
| T407X2S | T465X2D | T530X2S | T63012D | X72XXXS | T374X2A |
| T40992A | T467X2S | T533X2A | T63032S | X732XXA | T378X2D |
| T411X2D | T46992A | T535X2D | T63072A | X739XXD | T380X2S |
| T41292S | T471X2D | T537X2S | T63092D | X7402XS | T383X2A |
| T415X2A | T473X2S | T541X2A | T63122S | X749XXA | T385X2D |
| T421X2D | T476X2A | T543X2D | T63302A | X76XXXD | T387X2S |
| T423X2S | T478X2D | T550X2S | T63322D | X771XXS | T38892A |
| T426X2A | T480X2S | T561X2A | T63392S | X778XXA | T38992D |
| T428X2D | T48292A | T563X2D | T63432A | X780XXD | T39092S |
| T43022S | T484X2D | T565X2S | T63452D | X782XXS | T39312A |
| T43212A | T48902A | T56812A | T63482S | X79XXXA | T394X2D |
| T43292D | T48992S | T5692XD | T63612A | X810XXD | T3992XS |
| T434X2S | T492X2A | T571X2S | T63632D | X818XXS | T402X2A |
| T43602A | T494X2D | T578X2A | T63712S | X822XXA | T404X2D |

|         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|
| T40602S | T463X2D | T528X2S | T6292XD | X718XXS | T372X2A |
| T408X2A | T465X2S | T531X2A | T63012S | X730XXA | T374X2D |
| T40992D | T468X2A | T533X2D | T63042A | X732XXD | T378X2S |
| T411X2S | T46992D | T535X2S | T63072D | X739XXS | T381X2A |
| T413X2A | T471X2S | T5392XA | T63092S | X7409XA | T383X2D |
| T415X2D | T474X2A | T541X2D | T63192A | X749XXD | T385X2S |
| T421X2S | T476X2D | T543X2S | T63302D | X76XXXS | T38802A |
| T424X2A | T478X2S | T551X2A | T63322S | X772XXA | T38892D |
| T426X2D | T481X2A | T561X2D | T63412A | X778XXD | T38992S |
| T428X2S | T48292D | T563X2S | T63432D | X780XXS | T391X2A |
| T431X2A | T484X2S | T566X2A | T63452S | X788XXA | T39312D |
| T43212D | T48902D | T56812D | T63512A | X79XXXD | T394X2S |
| T43292S | T490X2A | T5692XS | T63612D | X810XXS | T400X2A |
| T43502A | T492X2D | T572X2A | T63632S | X820XXA | T402X2D |
| T43602D | T494X2S | T578X2D | T63792A | X822XXD | T404X2S |
| T43622S | T497X2A | T5802XS | T63822D | X830XXS | T40692A |
| T438X2A | T4992XD | T588X2A | T63892S | X838XXA | T408X2D |
| T440X2D | T501X2S | T590X2D | T6482XA | F311    | T40992S |
| T442X2S | T504X2A | T592X2S | T651X2D | F315    | T41202A |
| T445X2A | T506X2D | T595X2A | T65222S | F317    | T413X2D |
| T447X2D | T508X2S | T597X2D | T654X2A | F3177   | T415X2S |
| T44902S | T50A12A | T59892S | T656X2D | F332    | T422X2A |
| T451X2A | T50A92D | T601X2A | T65822S | F203    | T424X2D |
| T453X2D | T50B92S | T603X2D | T6592XA | F22     | T426X2S |
| T45512S | T510X2A | T608X2S | T71122D | T361X2A | T43012A |
| T45612A | T512X2D | T6112XA | T71152S | T362X2S | T431X2D |
| T45692D | T518X2S | T61782D | T71222A | T365X2A | T43212S |
| T458X2S | T521X2A | T6192XS | X710XXA | T367X2D | T433X2A |
| T461X2A | T523X2D | T622X2A | X712XXD | T3692XS | T43502D |

|         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|
| T43602S | T495X2A | T578X2S | T63792D | X822XXS | T40692D |
| T43632A | T497X2D | T5812XA | T63822S | X831XXA | T408X2S |
| T438X2D | T4992XS | T588X2D | T6392XA | X838XXD | T410X2A |
| T440X2S | T502X2A | T590X2S | T6482XD | F3110   | T41202D |
| T443X2A | T504X2D | T593X2A | T651X2S | F316    | T413X2S |
| T445X2D | T506X2S | T595X2D | T65292A | F3170   | T420X2A |
| T447X2S | T50902A | T597X2S | T654X2D | F3178   | T422X2D |
| T44992A | T50A12D | T5992XA | T656X2S | F333    | T424X2S |
| T451X2D | T50A92S | T601X2D | T65832A | F205    | T4272XA |
| T453X2S | T50Z12A | T603X2S | T6592XD | F23     | T43012D |
| T45522A | T510X2D | T6092XA | T71122S | T363X2A | T431X2S |
| T45612D | T512X2S | T6112XD | T71162A | T365X2D | T43222A |
| T45692S | T5192XA | T61782S | T71222D | T367X2S | T433X2D |
| T4592XA | T521X2D | T620X2A | X710XXD | T370X2A | T43502S |
| T461X2D | T523X2S | T622X2D | X712XXS | T372X2D | T43612A |
| T463X2S | T5292XA | T6292XS | X719XXA | T374X2S | T43632D |
| T466X2A | T531X2D | T63022A | X730XXD | T3792XA | T438X2S |
| T468X2D | T533X2S | T63042D | X732XXS | T381X2D | T441X2A |
| T46992S | T536X2A | T63072S | X7401XA | T383X2S | T443X2D |
| T472X2A | T5392XD | T63112A | X7409XD | T386X2A | T445X2S |
| T474X2D | T541X2S | T63192D | X749XXS | T38802D | T448X2A |
| T476X2S | T5492XA | T63302S | X770XXA | T38892S | T44992D |
| T4792XA | T551X2D | T63332A | X772XXD | T39012A | T451X2S |
| T481X2D | T561X2S | T63412D | X778XXS | T391X2D | T454X2A |
| T48292S | T564X2A | T63432S | X781XXA | T39312S | T45522D |
| T485X2A | T566X2D | T63462A | X788XXD | T398X2A | T45612S |
| T48902S | T56812S | T63512D | X79XXXS | T400X2D | T457X2A |
| T490X2D | T570X2A | T63612S | X811XXA | T402X2S | T4592XD |
| T492X2S | T572X2D | T63692A | X820XXD | T405X2A | T461X2S |



|         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|
| T464X2A | T531X2S | T63022D | X730XXS | T3792XD | T4392XA |
| T466X2D | T534X2A | T63042S | X738XXA | T381X2S | T441X2D |
| T468X2S | T536X2D | T63082A | X7401XD | T384X2A | T443X2S |
| T470X2A | T5392XS | T63112D | X7409XS | T386X2D | T446X2A |
| T472X2D | T542X2A | T63192S | X75XXXA | T38802S | T448X2D |
| T474X2S | T5492XD | T63312A | X770XXD | T38902A | T44992S |
| T477X2A | T551X2S | T63332D | X772XXS | T39012D | T452X2A |
| T4792XD | T562X2A | T63412S | X779XXA | T391X2S | T454X2D |
| T481X2S | T564X2D | T63442A | X781XXD | T39392A | T45522S |
| T483X2A | T566X2S | T63462D | X788XXS | T398X2D | T45622A |
| T485X2D | T56892A | T63512S | X80XXXA | T400X2S | T457X2D |
| T490X2S | T570X2D | T63622A | X811XXD | T403X2A | T4592XS |
| T493X2A | T572X2S | T63692D | X820XXS | T405X2D | T462X2A |
| T495X2D | T5792XA | T63792S | X828XXA | T40692S | T464X2D |
| T497X2S | T5812XD | T63832A | X831XXD | T40902A | T466X2S |
| T500X2A | T588X2S | T6392XD | X838XXS | T410X2D | T46902A |
| T502X2D | T591X2A | T6482XS | F3112   | T41202S | T470X2D |
| T504X2S | T593X2D | T65212A | F3160   | T4142XA | T472X2S |
| T507X2A | T595X2S | T65292D | F3171   | T420X2D | T475X2A |
| T50902D | T59812A | T654X2S | F318    | T422X2S | T477X2D |
| T50A12S | T5992XD | T65812A | F3341   | T425X2A | T4792XS |
| T50B12A | T601X2S | T65832D | F208    | T4272XD | T48202A |
| T50Z12D | T604X2A | T6592XS | F24     | T43012S | T483X2D |
| T510X2S | T6092XD | T71132A | T363X2D | T43202A | T485X2S |
| T513X2A | T6112XS | T71162D | T365X2S | T43222D | T491X2A |
| T5192XD | T618X2A | T71222S | T368X2A | T433X2S | T493X2D |
| T521X2S | T620X2D | X710XXS | T370X2D | T43592A | T495X2S |
| T524X2A | T622X2S | X713XXA | T372X2S | T43612D | T498X2A |
| T5292XD | T63002A | X719XXD | T375X2A | T43632S | T500X2D |

|         |         |         |       |
|---------|---------|---------|-------|
| T502X2S | T591X2D | T650X2A |       |
| T505X2A | T593X2S | T65212D | F3113 |
| T507X2D | T596X2A | T65292S | F3161 |
| T50902S | T59812D | T655X2A | F3172 |
| T50A22A | T5992XS | T65812D | F3181 |
| T50B12D | T602X2A | T65832S | F25   |
| T50Z12S | T604X2D | T71112A | F312  |
| T511X2A | T6092XS | T71132D | F251  |
| T513X2D | T61772A | T71162S |       |
| T5192XS | T618X2D | T71232A |       |
| T522X2A | T620X2S | X711XXA |       |
| T524X2D | T628X2A | X713XXD |       |
| T5292XS | T63002D | X719XXS |       |
| T532X2A | T63022S | X731XXA |       |
| T534X2D | T63062A | X738XXD |       |
| T536X2S | T63082D | X7401XS |       |
| T540X2A | T63112S | X748XXA |       |
| T542X2D | T632X2A | X75XXXD |       |
| T5492XS | T63312D | X770XXS |       |
| T560X2A | T63332S | X773XXA |       |
| T562X2D | T63422A | X779XXD |       |
| T564X2S | T63442D | X781XXS |       |
| T567X2A | T63462S | X789XXA |       |
| T56892D | T63592A | X80XXXD |       |
| T570X2S | T63622D | X811XXS |       |
| T573X2A | T63692S | X821XXA |       |
| T5792XD | T63812A | X828XXD |       |
| T5812XS | T63832D | X831XXS |       |
| T5892XA | T6392XS | Z915    |       |