

## Report Supplementary Material 2: Tables S1-S3: Full Clinical Practice Research Datalink (CPRD) code lists

Table S1: CPRD codes for SMI

| Code    | Description   | Schizophrenia | Schizoaffective | BPAD | Depression & psychosis | Other affective |
|---------|---|---------------|-----------------|------|------------------------|-----------------|
| E10..00 | Schizophrenic disorders                                 | 1             |                 |      |                        |                 |
| E100.00 | Simple schizophrenia                                    | 1             |                 |      |                        |                 |
| E100.11 | Schizophrenia simplex                                   | 1             |                 |      |                        |                 |
| E100000 | Unspecified schizophrenia                               | 1             |                 |      |                        |                 |
| E100100 | Subchronic schizophrenia                                | 1             |                 |      |                        |                 |
| E100200 | Chronic schizophrenic                                   | 1             |                 |      |                        |                 |
| E100300 | Acute exacerbation of subchronic schizophrenia          | 1             |                 |      |                        |                 |
| E100400 | Acute exacerbation of chronic schizophrenia             | 1             |                 |      |                        |                 |
| E100500 | Schizophrenia in remission                              | 1             |                 |      |                        |                 |
| E100z00 | Simple schizophrenia NOS                                | 1             |                 |      |                        |                 |
| E101.00 | Hebephrenic schizophrenia                               | 1             |                 |      |                        |                 |
| E101000 | Unspecified hebephrenic schizophrenia                   | 1             |                 |      |                        |                 |
| E101400 | Acute exacerbation of chronic hebephrenic schizophrenia | 1             |                 |      |                        |                 |
| E101500 | Hebephrenic schizophrenia in remission                  | 1             |                 |      |                        |                 |
| E101z00 | Hebephrenic schizophrenia NOS                           | 1             |                 |      |                        |                 |
| E102.00 | Catatonic schizophrenia                                 | 1             |                 |      |                        |                 |
| E102000 | Unspecified catatonic schizophrenia                     | 1             |                 |      |                        |                 |
| E102100 | Subchronic catatonic schizophrenia                      | 1             |                 |      |                        |                 |
| E102500 | Catatonic schizophrenia in remission                    | 1             |                 |      |                        |                 |
| E102z00 | Catatonic schizophrenia NOS                             | 1             |                 |      |                        |                 |
| E103.00 | Paranoid schizophrenia                                  | 1             |                 |      |                        |                 |
| E103000 | Unspecified paranoid schizophrenia                      | 1             |                 |      |                        |                 |
| E103200 | Chronic paranoid schizophrenia                          | 1             |                 |      |                        |                 |
| E103300 | Acute exacerbation of subchronic paranoid schizophrenia | 1             |                 |      |                        |                 |
| E103400 | Acute exacerbation of chronic paranoid schizophrenia    | 1             |                 |      |                        |                 |
| E103500 | Paranoid schizophrenia in remission                     | 1             |                 |      |                        |                 |
| E103z00 | Paranoid schizophrenia NOS                              | 1             |                 |      |                        |                 |
| E104.00 | Acute schizophrenic episode                             | 1             |                 |      |                        |                 |
| E105.00 | Latent schizophrenia                                    | 1             |                 |      |                        |                 |
| E105000 | Unspecified latent schizophrenia                        | 1             |                 |      |                        |                 |
| E105200 | Chronic latent schizophrenia                            | 1             |                 |      |                        |                 |
| E105500 | Latent schizophrenia in remission                       | 1             |                 |      |                        |                 |
| E105z00 | Latent schizophrenia NOS                                | 1             |                 |      |                        |                 |
| E106.00 | Residual schizophrenia                                  | 1             |                 |      |                        |                 |

| Code    | Description  | Schizophrenia | Schizoaffective | BPAD | Depression & psychosis | Other affective |
|---------|--|---------------|-----------------|------|------------------------|-----------------|
| E107.00 | Schizo-affective schizophrenia                               | 1             |                 |      |                        |                 |
| E107.11 | Cyclic schizophrenia   | 1             |                 |      |                        |                 |
| E107000 | Unspecified schizo-affective schizophrenia                   | 1             |                 |      |                        |                 |
| E107100 | Subchronic schizo-affective schizophrenia                    | 1             |                 |      |                        |                 |
| E107200 | Chronic schizo-affective schizophrenia                       | 1             |                 |      |                        |                 |
| E107300 | Acute exacerbation subchronic schizo-affective schizophrenia | 1             |                 |      |                        |                 |
| E107400 | Acute exacerbation of chronic schizo-affective schizophrenia | 1             |                 |      |                        |                 |
| E107500 | Schizo-affective schizophrenia in remission                  | 1             |                 |      |                        |                 |
| E107z00 | Schizo-affective schizophrenia NOS                           | 1             |                 |      |                        |                 |
| E10y.00 | Other schizophrenia  | 1             |                 |      |                        |                 |
| E10y.11 | Cenesthopathic schizophrenia                                 | 1             |                 |      |                        |                 |
| E10y000 | Atypical schizophrenia                                       | 1             |                 |      |                        |                 |
| E10y100 | Coenesthopathic schizophrenia                                | 1             |                 |      |                        |                 |
| E10yz00 | Other schizophrenia NOS                                      | 1             |                 |      |                        |                 |
| E10z.00 | Schizophrenia NOS  | 1             |                 |      |                        |                 |
| E11..00 | Affective psychoses  |               |                 |      |                        | 1               |
| E11..11 | Bipolar psychoses  |               |                 | 1    |                        |                 |
| E11..12 | Depressive psychoses   |               |                 |      | 1                      |                 |
| E11..13 | Manic psychoses  |               |                 | 1    |                        |                 |
| E110.00 | Manic disorder, single episode                               |               |                 | 1    |                        |                 |
| E110.11 | Hypomanic psychoses  |               |                 | 1    |                        |                 |
| E110000 | Single manic episode, unspecified                            |               |                 | 1    |                        |                 |
| E110100 | Single manic episode, mild                                   |               |                 | 1    |                        |                 |
| E110200 | Single manic episode, moderate                               |               |                 | 1    |                        |                 |
| E110300 | Single manic episode, severe without mention of psychosis    |               |                 | 1    |                        |                 |
| E110400 | Single manic episode, severe, with psychosis                 |               |                 | 1    |                        |                 |
| E110600 | Single manic episode in full remission                       |               |                 | 1    |                        |                 |
| E110z00 | Manic disorder, single episode NOS                           |               |                 | 1    |                        |                 |
| E111.00 | Recurrent manic episodes                                     |               |                 | 1    |                        |                 |
| E111000 | Recurrent manic episodes, unspecified                        |               |                 | 1    |                        |                 |
| E111100 | Recurrent manic episodes, mild                               |               |                 | 1    |                        |                 |
| E111200 | Recurrent manic episodes, moderate                           |               |                 | 1    |                        |                 |
| E111300 | Recurrent manic episodes, severe without mention psychosis   |               |                 | 1    |                        |                 |
| E111400 | Recurrent manic episodes, severe, with psychosis             |               |                 | 1    |                        |                 |
| E111500 | Recurrent manic episodes, partial or unspecified remission   |               |                 | 1    |                        |                 |
| E111600 | Recurrent manic episodes, in full remission                  |               |                 | 1    |                        |                 |
| E111z00 | Recurrent manic episode NOS                                  |               |                 | 1    |                        |                 |

| Code    | Description   | Schizophrenia | Schizoaffective | BPAD | Depression & psychosis | Other affective |
|---------|---|---------------|-----------------|------|------------------------|-----------------|
| E112400 | Single major depressive episode, severe, with psychosis       |               |                 |      | 1                      |                 |
| E113400 | Recurrent major depressive episodes, severe, with psychosis   |               |                 |      | 1                      |                 |
| E114.00 | Bipolar affective disorder, currently manic                   |               |                 | 1    |                        |                 |
| E114.11 | Manic-depressive - now manic                                  |               |                 | 1    |                        |                 |
| E114000 | Bipolar affective disorder, currently manic, unspecified      |               |                 | 1    |                        |                 |
| E114100 | Bipolar affective disorder, currently manic, mild             |               |                 | 1    |                        |                 |
| E114200 | Bipolar affective disorder, currently manic, moderate         |               |                 | 1    |                        |                 |
| E114300 | Bipolar affect disord, currently manic, severe, no psychosis  |               |                 | 1    |                        |                 |
| E114400 | Bipolar affect disord, currently manic,severe with psychosis  |               |                 | 1    |                        |                 |
| E114500 | Bipolar affect disord,currentlly manic, part/unspec remission |               |                 | 1    |                        |                 |
| E114600 | Bipolar affective disorder, currently manic, full remission   |               |                 | 1    |                        |                 |
| E114z00 | Bipolar affective disorder, currently manic, NOS              |               |                 | 1    |                        |                 |
| E115.00 | Bipolar affective disorder, currently depressed               |               |                 | 1    |                        |                 |
| E115.11 | Manic-depressive - now depressed                              |               |                 | 1    |                        |                 |
| E115000 | Bipolar affective disorder, currently depressed, unspecified  |               |                 | 1    |                        |                 |
| E115100 | Bipolar affective disorder, currently depressed, mild         |               |                 | 1    |                        |                 |
| E115200 | Bipolar affective disorder, currently depressed, moderate     |               |                 | 1    |                        |                 |
| E115300 | Bipolar affect disord, now depressed, severe, no psychosis    |               |                 | 1    |                        |                 |
| E115400 | Bipolar affect disord, now depressed, severe with psychosis   |               |                 | 1    |                        |                 |
| E115500 | Bipolar affect disord, now depressed, part/unspec remission   |               |                 | 1    |                        |                 |
| E115600 | Bipolar affective disorder, now depressed, in full remission  |               |                 | 1    |                        |                 |
| E115z00 | Bipolar affective disorder, currently depressed, NOS          |               |                 | 1    |                        |                 |
| E116.00 | Mixed bipolar affective disorder                              |               |                 | 1    |                        |                 |
| E116000 | Mixed bipolar affective disorder, unspecified                 |               |                 | 1    |                        |                 |
| E116100 | Mixed bipolar affective disorder, mild                        |               |                 | 1    |                        |                 |
| E116200 | Mixed bipolar affective disorder, moderate                    |               |                 | 1    |                        |                 |
| E116300 | Mixed bipolar affective disorder, severe, without psychosis   |               |                 | 1    |                        |                 |
| E116400 | Mixed bipolar affective disorder, severe, with psychosis      |               |                 | 1    |                        |                 |
| E116500 | Mixed bipolar affective disorder, partial/unspec remission    |               |                 | 1    |                        |                 |
| E116600 | Mixed bipolar affective disorder, in full remission           |               |                 | 1    |                        |                 |
| E116z00 | Mixed bipolar affective disorder, NOS                         |               |                 | 1    |                        |                 |
| E117.00 | Unspecified bipolar affective disorder                        |               |                 | 1    |                        |                 |
| E117000 | Unspecified bipolar affective disorder, unspecified           |               |                 | 1    |                        |                 |
| E117100 | Unspecified bipolar affective disorder, mild                  |               |                 | 1    |                        |                 |
| E117200 | Unspecified bipolar affective disorder, moderate              |               |                 | 1    |                        |                 |
| E117300 | Unspecified bipolar affective disorder, severe, no psychosis  |               |                 | 1    |                        |                 |
| E117400 | Unspecified bipolar affective disorder,severe with psychosis  |               |                 | 1    |                        |                 |

| Code    | Description   | Schizophrenia | Schizoaffective | BPAD | Depression & psychosis | Other affective |
|---------|---|---------------|-----------------|------|------------------------|-----------------|
| E117500 | Unspecified bipolar affect disord, partial/unspec remission |               |                 | 1    |                        |                 |
| E117600 | Unspecified bipolar affective disorder, in full remission   |               |                 | 1    |                        |                 |
| E117z00 | Unspecified bipolar affective disorder, NOS                 |               |                 | 1    |                        |                 |
| E11y.00 | Other and unspecified manic-depressive psychoses            |               |                 | 1    |                        |                 |
| E11y000 | Unspecified manic-depressive psychoses                      |               |                 | 1    |                        |                 |
| E11y100 | Atypical manic disorder                                     |               |                 | 1    |                        |                 |
| E11y300 | Other mixed manic-depressive psychoses                      |               |                 | 1    |                        |                 |
| E11yz00 | Other and unspecified manic-depressive psychoses NOS        |               |                 | 1    |                        |                 |
| E11z.00 | Other and unspecified affective psychoses                   |               |                 |      |                        | 1               |
| E11z000 | Unspecified affective psychoses NOS                         |               |                 |      |                        | 1               |
| E11zz00 | Other affective psychosis NOS                               |               |                 |      |                        | 1               |
| Eu25.00 | [X]Schizoaffective disorders                                |               |                 | 1    |                        |                 |
| Eu25000 | [X]Schizoaffective disorder, manic type                     |               |                 | 1    |                        |                 |
| Eu25011 | [X]Schizoaffective psychosis, manic type                    |               |                 | 1    |                        |                 |
| Eu25012 | [X]Schizophreniform psychosis, manic type                   |               |                 | 1    |                        |                 |
| Eu25100 | [X]Schizoaffective disorder, depressive type                |               |                 | 1    |                        |                 |
| Eu25111 | [X]Schizoaffective psychosis, depressive type               |               |                 | 1    |                        |                 |
| Eu25112 | [X]Schizophreniform psychosis, depressive type              |               |                 | 1    |                        |                 |
| Eu25200 | [X]Schizoaffective disorder, mixed type                     |               |                 | 1    |                        |                 |
| Eu25212 | [X]Mixed schizophrenic and affective psychosis              |               |                 | 1    |                        |                 |
| Eu25y00 | [X]Other schizoaffective disorders                          |               |                 | 1    |                        |                 |
| Eu25z00 | [X]Schizoaffective disorder, unspecified                    |               |                 | 1    |                        |                 |
| Eu25z11 | [X]Schizoaffective psychosis NOS                            |               |                 | 1    |                        |                 |
| E120.00 | Simple paranoid state                                       | 1             |                 |      |                        |                 |
| E121.00 | Chronic paranoid psychosis                                  | 1             |                 |      |                        |                 |
| E122.00 | Paraphrenia   | 1             |                 |      |                        |                 |
| E123.00 | Shared paranoid disorder                                    | 1             |                 |      |                        |                 |
| E123.11 | Folie a deux  | 1             |                 |      |                        |                 |
| E12y.00 | Other paranoid states                                       | 1             |                 |      |                        |                 |
| E12y000 | Paranoia querulans  | 1             |                 |      |                        |                 |
| E12yz00 | Other paranoid states NOS                                   | 1             |                 |      |                        |                 |
| E12z.00 | Paranoid psychosis NOS                                      | 1             |                 |      |                        |                 |
| E13..00 | Other nonorganic psychoses                                  | 1             |                 |      |                        |                 |
| E13z.00 | Nonorganic psychosis NOS                                    | 1             |                 |      |                        |                 |
| E1z..00 | Non-organic psychosis NOS                                   | 1             |                 |      |                        |                 |
| E212200 | Schizotypal personality                                     | 1             |                 |      |                        |                 |
| Eu20.00 | [X]Schizophrenia  | 1             |                 |      |                        |                 |

| Code    | Description                               | Schizophrenia | Schizoaffective | BPAD | Depression & psychosis | Other affective |
|---------|---|---------------|-----------------|------|------------------------|-----------------|
| Eu20000 | [X]Paranoid schizophrenia                 | 1             |                 |      |                        |                 |
| Eu20011 | [X]Paraphrenic schizophrenia              | 1             |                 |      |                        |                 |
| Eu20100 | [X]Hebephrenic schizophrenia              | 1             |                 |      |                        |                 |
| Eu20111 | [X]Disorganised schizophrenia             | 1             |                 |      |                        |                 |
| Eu20200 | [X]Catatonic schizophrenia                | 1             |                 |      |                        |                 |
| Eu20211 | [X]Catatonic stupor                       | 1             |                 |      |                        |                 |
| Eu20212 | [X]Schizophrenic catalepsy                | 1             |                 |      |                        |                 |
| Eu20213 | [X]Schizophrenic catatonia                | 1             |                 |      |                        |                 |
| Eu20214 | [X]Schizophrenic flexibilatis cerea       | 1             |                 |      |                        |                 |
| Eu20300 | [X]Undifferentiated schizophrenia         | 1             |                 |      |                        |                 |
| Eu20311 | [X]Atypical schizophrenia                 | 1             |                 |      |                        |                 |
| Eu20400 | [X]Post-schizophrenic depression          | 1             |                 |      |                        |                 |
| Eu20500 | [X]Residual schizophrenia                 | 1             |                 |      |                        |                 |
| Eu20511 | [X]Chronic undifferentiated schizophrenia | 1             |                 |      |                        |                 |
| Eu20600 | [X]Simple schizophrenia                   | 1             |                 |      |                        |                 |
| Eu20y00 | [X]Other schizophrenia                    | 1             |                 |      |                        |                 |
| Eu20y12 | [X]Schizophreniform disord NOS            | 1             |                 |      |                        |                 |
| Eu20y13 | [X]Schizophrenifrm psychos NOS            | 1             |                 |      |                        |                 |
| Eu20z00 | [X]Schizophrenia, unspecified             | 1             |                 |      |                        |                 |
| Eu21.00 | [X]Schizotypal disorder                   | 1             |                 |      |                        |                 |
| Eu21.11 | [X]Latent schizophrenic reaction          | 1             |                 |      |                        |                 |
| Eu21.12 | [X]Borderline schizophrenia               | 1             |                 |      |                        |                 |
| Eu21.13 | [X]Latent schizophrenia                   | 1             |                 |      |                        |                 |
| Eu21.18 | [X]Schizotypal personality disorder       | 1             |                 |      |                        |                 |
| Eu22.00 | [X]Persistent delusional disorders        | 1             |                 |      |                        |                 |
| Eu22000 | [X]Delusional disorder                    | 1             |                 |      |                        |                 |
| Eu22011 | [X]Paranoid psychosis                     | 1             |                 |      |                        |                 |
| Eu22012 | [X]Paranoid state                         | 1             |                 |      |                        |                 |
| Eu22013 | [X]Paraphrenia - late                     | 1             |                 |      |                        |                 |
| Eu22014 | [X>Sensitiver Beziehungswahn              | 1             |                 |      |                        |                 |
| Eu22015 | [X]Paranoia                               | 1             |                 |      |                        |                 |
| Eu22100 | [X]Delusional misidentification syndrome  | 1             |                 |      |                        |                 |
| Eu22111 | [X]Capgras syndrome                       | 1             |                 |      |                        |                 |
| Eu22200 | [X]Cotard syndrome                        | 1             |                 |      |                        |                 |
| Eu22300 | [X]Paranoid state in remission            | 1             |                 |      |                        |                 |
| Eu22y00 | [X]Other persistent delusional disorders  | 1             |                 |      |                        |                 |
| Eu22y11 | [X]Delusional dysmorphophobia             | 1             |                 |      |                        |                 |

| Code    | Description  | Schizophrenia | Schizoaffective | BPAD | Depression & psychosis | Other affective |
|---------|--|---------------|-----------------|------|------------------------|-----------------|
| Eu22y12 | [X]Involitional paranoid state                               | 1             |                 |      |                        |                 |
| Eu22y13 | [X]Paranoia querulans  | 1             |                 |      |                        |                 |
| Eu22z00 | [X]Persistent delusional disorder, unspecified               | 1             |                 |      |                        |                 |
| Eu23012 | [X]Cycloid psychosis   | 1             |                 |      |                        |                 |
| Eu23112 | [X]Cycloid psychosis with symptoms of schizophrenia          | 1             |                 |      |                        |                 |
| Eu24.00 | [X]Induced delusional disorder                               | 1             |                 |      |                        |                 |
| Eu24.12 | [X]Induced paranoid disorder                                 | 1             |                 |      |                        |                 |
| Eu24.13 | [X]Induced psychotic disorder                                | 1             |                 |      |                        |                 |
| Eu26.00 | [X]Nonorganic psychosis in remission                         | 1             |                 |      |                        |                 |
| Eu2y.00 | [X]Other nonorganic psychotic disorders                      | 1             |                 |      |                        |                 |
| Eu2y.11 | [X]Chronic hallucinatory psychosis                           | 1             |                 |      |                        |                 |
| Eu2z.00 | [X]Unspecified nonorganic psychosis                          | 1             |                 |      |                        |                 |
| Eu2z.11 | [X]Psychosis NOS   | 1             |                 |      |                        |                 |
| Eu30.00 | [X]Manic episode   |               |                 | 1    |                        |                 |
| Eu30.11 | [X]Bipolar disorder, single manic episode                    |               |                 | 1    |                        |                 |
| Eu30000 | [X]Hypomania   |               |                 | 1    |                        |                 |
| Eu30100 | [X]Mania without psychotic symptoms                          |               |                 | 1    |                        |                 |
| Eu30200 | [X]Mania with psychotic symptoms                             |               |                 | 1    |                        |                 |
| Eu30211 | [X]Mania with mood-congruent psychotic symptoms              |               |                 | 1    |                        |                 |
| Eu30212 | [X]Mania with mood-incongruent psychotic symptoms            |               |                 | 1    |                        |                 |
| Eu30y00 | [X]Other manic episodes                                      |               |                 | 1    |                        |                 |
| Eu30z00 | [X]Manic episode, unspecified                                |               |                 | 1    |                        |                 |
| Eu30z11 | [X]Mania NOS   |               |                 | 1    |                        |                 |
| Eu31.00 | [X]Bipolar affective disorder                                |               |                 | 1    |                        |                 |
| Eu31.11 | [X]Manic-depressive illness                                  |               |                 | 1    |                        |                 |
| Eu31.12 | [X]Manic-depressive psychosis                                |               |                 | 1    |                        |                 |
| Eu31.13 | [X]Manic-depressive reaction                                 |               |                 | 1    |                        |                 |
| Eu31000 | [X]Bipolar affective disorder, current episode hypomanic     |               |                 | 1    |                        |                 |
| Eu31100 | [X]Bipolar affect disorder cur epi manic wout psychotic symp |               |                 | 1    |                        |                 |
| Eu31200 | [X]Bipolar affect disorder cur epi manic with psychotic symp |               |                 | 1    |                        |                 |
| Eu31300 | [X]Bipolar affect disorder cur epi mild or moderate depressn |               |                 | 1    |                        |                 |
| Eu31400 | [X]Bipol aff disord, curr epis sev depress, no psychot symp  |               |                 | 1    |                        |                 |
| Eu31500 | [X]Bipolar affect dis cur epi severe depres with psyc symp   |               |                 | 1    |                        |                 |
| Eu31600 | [X]Bipolar affective disorder, current episode mixed         |               |                 | 1    |                        |                 |
| Eu31700 | [X]Bipolar affective disorder, currently in remission        |               |                 | 1    |                        |                 |
| Eu31800 | [X]Bipolar affective disorder type I                         |               |                 | 1    |                        |                 |
| Eu31900 | [X]Bipolar affective disorder type II                        |               |                 | 1    |                        |                 |

| Code    | Description  | Schizophrenia | Schizoaffective | BPAD | Depression & psychosis | Other affective |
|---------|--|---------------|-----------------|------|------------------------|-----------------|
| Eu31911 | [X]Bipolar II disorder                                       |               |                 | 1    |                        |                 |
| Eu31y00 | [X]Other bipolar affective disorders                         |               |                 | 1    |                        |                 |
| Eu31y11 | [X]Bipolar II disorder                                       |               |                 | 1    |                        |                 |
| Eu31y12 | [X]Recurrent manic episodes                                  |               |                 | 1    |                        |                 |
| Eu31z00 | [X]Bipolar affective disorder, unspecified                   |               |                 | 1    |                        |                 |
| Eu32300 | [X]Severe depressive episode with psychotic symptoms         |               |                 |      | 1                      |                 |
| Eu32311 | [X]Single episode of major depression and psychotic symptoms |               |                 |      | 1                      |                 |
| Eu32312 | [X]Single episode of psychogenic depressive psychosis        |               |                 |      | 1                      |                 |
| Eu32313 | [X]Single episode of psychotic depression                    |               |                 |      | 1                      |                 |
| Eu32314 | [X]Single episode of reactive depressive psychosis           |               |                 |      | 1                      |                 |
| Eu32800 | [X]Major depression, severe with psychotic symptoms          |               |                 |      | 1                      |                 |
| Eu33213 | [X]Manic-depress psychosis,depressd,no psychotic symptoms    |               |                 | 1    |                        |                 |
| Eu33300 | [X]Recurrent depress disorder cur epi severe with psyc symp  |               |                 |      | 1                      |                 |
| Eu33311 | [X]Endogenous depression with psychotic symptoms             |               |                 |      | 1                      |                 |
| Eu33312 | [X]Manic-depress psychosis,depressed type+psychotic symptoms |               |                 | 1    |                        |                 |
| Eu33313 | [X]Recurr severe episodes/major depression+psychotic symptom |               |                 |      | 1                      |                 |
| Eu33314 | [X]Recurr severe episodes/psychogenic depressive psychosis   |               |                 |      | 1                      |                 |
| Eu33315 | [X]Recurrent severe episodes of psychotic depression         |               |                 |      | 1                      |                 |
| Eu33316 | [X]Recurrent severe episodes/reactive depressive psychosis   |               |                 |      | 1                      |                 |
| Eu3z.11 | [X]Affective psychosis NOS                                   |               |                 |      |                        | 1               |

Table S2: CPRD codes for type 2 diabetes

| <b>Code</b> | <b>Description</b>   | <b>Type</b>     |
|-------------|--|-----------------|
| 66A3.00     | Diabetic on diet only  | type 2 diabetes |
| C100112     | Non-insulin dependent diabetes mellitus                      | type 2 diabetes |
| C109.00     | Non-insulin-dependent diabetes mellitus                      | type 2 diabetes |
| C109.11     | NIDDM - Non-insulin dependent diabetes mellitus              | type 2 diabetes |
| C109.12     | Type 2 diabetes mellitus                                     | type 2 diabetes |
| C109.13     | Type II diabetes mellitus                                    | type 2 diabetes |
| C109000     | Non-insulin-dependent diabetes mellitus with renal comps     | type 2 diabetes |
| C109011     | Type II diabetes mellitus with renal complications           | type 2 diabetes |
| C109012     | Type 2 diabetes mellitus with renal complications            | type 2 diabetes |
| C109100     | Non-insulin-dependent diabetes mellitus with ophthalm comps  | type 2 diabetes |
| C109111     | Type II diabetes mellitus with ophthalmic complications      | type 2 diabetes |
| C109112     | Type 2 diabetes mellitus with ophthalmic complications       | type 2 diabetes |
| C109200     | Non-insulin-dependent diabetes mellitus with neuro comps     | type 2 diabetes |
| C109211     | Type II diabetes mellitus with neurological complications    | type 2 diabetes |
| C109212     | Type 2 diabetes mellitus with neurological complications     | type 2 diabetes |
| C109300     | Non-insulin-dependent diabetes mellitus with multiple comps  | type 2 diabetes |
| C109312     | Type 2 diabetes mellitus with multiple complications         | type 2 diabetes |
| C109400     | Non-insulin dependent diabetes mellitus with ulcer           | type 2 diabetes |
| C109411     | Type II diabetes mellitus with ulcer                         | type 2 diabetes |
| C109412     | Type 2 diabetes mellitus with ulcer                          | type 2 diabetes |
| C109500     | Non-insulin dependent diabetes mellitus with gangrene        | type 2 diabetes |
| C109511     | Type II diabetes mellitus with gangrene                      | type 2 diabetes |
| C109512     | Type 2 diabetes mellitus with gangrene                       | type 2 diabetes |
| C109600     | Non-insulin-dependent diabetes mellitus with retinopathy     | type 2 diabetes |
| C109611     | Type II diabetes mellitus with retinopathy                   | type 2 diabetes |
| C109612     | Type 2 diabetes mellitus with retinopathy                    | type 2 diabetes |
| C109700     | Non-insulin dependant diabetes mellitus - poor control       | type 2 diabetes |
| C109711     | Type II diabetes mellitus - poor control                     | type 2 diabetes |
| C109712     | Type 2 diabetes mellitus - poor control                      | type 2 diabetes |
| C109900     | Non-insulin-dependent diabetes mellitus without complication | type 2 diabetes |
| C109911     | Type II diabetes mellitus without complication               | type 2 diabetes |
| C109912     | Type 2 diabetes mellitus without complication                | type 2 diabetes |
| C109A00     | Non-insulin dependent diabetes mellitus with mononeuropathy  | type 2 diabetes |
| C109A11     | Type II diabetes mellitus with mononeuropathy                | type 2 diabetes |
| C109B00     | Non-insulin dependent diabetes mellitus with polyneuropathy  | type 2 diabetes |
| C109B11     | Type II diabetes mellitus with polyneuropathy                | type 2 diabetes |
| C109B12     | Type 2 diabetes mellitus with polyneuropathy                 | type 2 diabetes |
| C109C00     | Non-insulin dependent diabetes mellitus with nephropathy     | type 2 diabetes |
| C109C11     | Type II diabetes mellitus with nephropathy                   | type 2 diabetes |
| C109C12     | Type 2 diabetes mellitus with nephropathy                    | type 2 diabetes |
| C109D00     | Non-insulin dependent diabetes mellitus with hypoglyca coma  | type 2 diabetes |
| C109D11     | Type II diabetes mellitus with hypoglycaemic coma            | type 2 diabetes |
| C109D12     | Type 2 diabetes mellitus with hypoglycaemic coma             | type 2 diabetes |
| C109E00     | Non-insulin depend diabetes mellitus with diabetic cataract  | type 2 diabetes |
| C109E11     | Type II diabetes mellitus with diabetic cataract             | type 2 diabetes |
| C109E12     | Type 2 diabetes mellitus with diabetic cataract              | type 2 diabetes |
| C109F00     | Non-insulin-dependent d m with peripheral angiopath          | type 2 diabetes |
| C109F11     | Type II diabetes mellitus with peripheral angiopathy         | type 2 diabetes |
| C109F12     | Type 2 diabetes mellitus with peripheral angiopathy          | type 2 diabetes |
| C109G00     | Non-insulin dependent diabetes mellitus with arthropathy     | type 2 diabetes |
| C109G11     | Type II diabetes mellitus with arthropathy                   | type 2 diabetes |
| C109G12     | Type 2 diabetes mellitus with arthropathy                    | type 2 diabetes |
| C109H00     | Non-insulin dependent d m with neuropathic arthropathy       | type 2 diabetes |
| C109H11     | Type II diabetes mellitus with neuropathic arthropathy       | type 2 diabetes |
| C109H12     | Type 2 diabetes mellitus with neuropathic arthropathy        | type 2 diabetes |
| C109J00     | Insulin treated Type 2 diabetes mellitus                     | type 2 diabetes |
| C109J11     | Insulin treated non-insulin dependent diabetes mellitus      | type 2 diabetes |
| C109J12     | Insulin treated Type II diabetes mellitus                    | type 2 diabetes |
| C109K00     | Hyperosmolar non-ketotic state in type 2 diabetes mellitus   | type 2 diabetes |
| C10C.00     | Diabetes mellitus autosomal dominant                         | type 2 diabetes |



| <b>Code</b> | <b>Description</b>  | <b>Type</b>     |
|-------------|---|-----------------|
| C10C.11     | Maturity onset diabetes in youth                            | type 2 diabetes |
| C10D.00     | Diabetes mellitus autosomal dominant type 2                 | type 2 diabetes |
| C10D.11     | Maturity onset diabetes in youth type 2                     | type 2 diabetes |
| C10F.00     | Type 2 diabetes mellitus                                    | type 2 diabetes |
| C10F.11     | Type II diabetes mellitus                                   | type 2 diabetes |
| C10F000     | Type 2 diabetes mellitus with renal complications           | type 2 diabetes |
| C10F011     | Type II diabetes mellitus with renal complications          | type 2 diabetes |
| C10F100     | Type 2 diabetes mellitus with ophthalmic complications      | type 2 diabetes |
| C10F111     | Type II diabetes mellitus with ophthalmic complications     | type 2 diabetes |
| C10F200     | Type 2 diabetes mellitus with neurological complications    | type 2 diabetes |
| C10F211     | Type II diabetes mellitus with neurological complications   | type 2 diabetes |
| C10F300     | Type 2 diabetes mellitus with multiple complications        | type 2 diabetes |
| C10F311     | Type II diabetes mellitus with multiple complications       | type 2 diabetes |
| C10F400     | Type 2 diabetes mellitus with ulcer                         | type 2 diabetes |
| C10F411     | Type II diabetes mellitus with ulcer                        | type 2 diabetes |
| C10F500     | Type 2 diabetes mellitus with gangrene                      | type 2 diabetes |
| C10F511     | Type II diabetes mellitus with gangrene                     | type 2 diabetes |
| C10F600     | Type 2 diabetes mellitus with retinopathy                   | type 2 diabetes |
| C10F611     | Type II diabetes mellitus with retinopathy                  | type 2 diabetes |
| C10F700     | Type 2 diabetes mellitus - poor control                     | type 2 diabetes |
| C10F711     | Type II diabetes mellitus - poor control                    | type 2 diabetes |
| C10F900     | Type 2 diabetes mellitus without complication               | type 2 diabetes |
| C10F911     | Type II diabetes mellitus without complication              | type 2 diabetes |
| C10FA00     | Type 2 diabetes mellitus with mononeuropathy                | type 2 diabetes |
| C10FA11     | Type II diabetes mellitus with mononeuropathy               | type 2 diabetes |
| C10FB00     | Type 2 diabetes mellitus with polyneuropathy                | type 2 diabetes |
| C10FB11     | Type II diabetes mellitus with polyneuropathy               | type 2 diabetes |
| C10FC00     | Type 2 diabetes mellitus with nephropathy                   | type 2 diabetes |
| C10FC11     | Type II diabetes mellitus with nephropathy                  | type 2 diabetes |
| C10FD00     | Type 2 diabetes mellitus with hypoglycaemic coma            | type 2 diabetes |
| C10FD11     | Type II diabetes mellitus with hypoglycaemic coma           | type 2 diabetes |
| C10FE00     | Type 2 diabetes mellitus with diabetic cataract             | type 2 diabetes |
| C10FE11     | Type II diabetes mellitus with diabetic cataract            | type 2 diabetes |
| C10FF00     | Type 2 diabetes mellitus with peripheral angiopathy         | type 2 diabetes |
| C10FF11     | Type II diabetes mellitus with peripheral angiopathy        | type 2 diabetes |
| C10FG00     | Type 2 diabetes mellitus with arthropathy                   | type 2 diabetes |
| C10FG11     | Type II diabetes mellitus with arthropathy                  | type 2 diabetes |
| C10FH00     | Type 2 diabetes mellitus with neuropathic arthropathy       | type 2 diabetes |
| C10FH11     | Type II diabetes mellitus with neuropathic arthropathy      | type 2 diabetes |
| C10FJ00     | Insulin treated Type 2 diabetes mellitus                    | type 2 diabetes |
| C10FJ11     | Insulin treated Type II diabetes mellitus                   | type 2 diabetes |
| C10FK00     | Hyperosmolar non-ketotic state in type 2 diabetes mellitus  | type 2 diabetes |
| C10FK11     | Hyperosmolar non-ketotic state in type II diabetes mellitus | type 2 diabetes |
| C10FL00     | Type 2 diabetes mellitus with persistent proteinuria        | type 2 diabetes |
| C10FL11     | Type II diabetes mellitus with persistent proteinuria       | type 2 diabetes |
| C10FM00     | Type 2 diabetes mellitus with persistent microalbuminuria   | type 2 diabetes |
| C10FM11     | Type II diabetes mellitus with persistent microalbuminuria  | type 2 diabetes |
| C10FN00     | Type 2 diabetes mellitus with ketoacidosis                  | type 2 diabetes |
| C10FN11     | Type II diabetes mellitus with ketoacidosis                 | type 2 diabetes |
| C10FP00     | Type 2 diabetes mellitus with ketoacidotic coma             | type 2 diabetes |
| C10FQ00     | Type 2 diabetes mellitus with exudative maculopathy         | type 2 diabetes |
| C10FR00     | Type 2 diabetes mellitus with gastroparesis                 | type 2 diabetes |
| L180600     | Pre-existing diabetes mellitus; non-insulin-dependent       | type 2 diabetes |

Table S3: CPRD codes for type 1 diabetes

| <b>Code</b> | <b>Description</b>   | <b>Type</b>     |
|-------------|--|-----------------|
| C100000     | Diabetes mellitus; juvenile type; no mention of complication | type 1 diabetes |
| C100011     | Insulin dependent diabetes mellitus                          | type 1 diabetes |
| C101000     | Diabetes mellitus; juvenile type; with ketoacidosis          | type 1 diabetes |
| C102000     | Diabetes mellitus; juvenile type; with hyperosmolar coma     | type 1 diabetes |

| <b>Code</b> | <b>Description</b>   | <b>Type</b>     |
|-------------|--|-----------------|
| C103000     | Diabetes mellitus; juvenile type; with ketoacidotic coma     | type 1 diabetes |
| C104000     | Diabetes mellitus; juvenile type; with renal manifestation   | type 1 diabetes |
| C105000     | Diabetes mellitus; juvenile type; + ophthalmic manifestation | type 1 diabetes |
| C106000     | Diabetes mellitus; juvenile; + neurological manifestation    | type 1 diabetes |
| C107000     | Diabetes mellitus; juvenile +peripheral circulatory disorder | type 1 diabetes |
| C108.00     | Insulin dependent diabetes mellitus                          | type 1 diabetes |
| C108.11     | IDDM-Insulin dependent diabetes mellitus                     | type 1 diabetes |
| C108.12     | Type 1 diabetes mellitus                                     | type 1 diabetes |
| C108.13     | Type I diabetes mellitus                                     | type 1 diabetes |
| C108000     | Insulin-dependent diabetes mellitus with renal complications | type 1 diabetes |
| C108011     | Type I diabetes mellitus with renal complications            | type 1 diabetes |
| C108012     | Type 1 diabetes mellitus with renal complications            | type 1 diabetes |
| C108100     | Insulin-dependent diabetes mellitus with ophthalmic comps    | type 1 diabetes |
| C108112     | Type 1 diabetes mellitus with ophthalmic complications       | type 1 diabetes |
| C108200     | Insulin-dependent diabetes mellitus with neurological comps  | type 1 diabetes |
| C108211     | Type I diabetes mellitus with neurological complications     | type 1 diabetes |
| C108212     | Type 1 diabetes mellitus with neurological complications     | type 1 diabetes |
| C108300     | Insulin dependent diabetes mellitus with multiple complicatn | type 1 diabetes |
| C108311     | Type I diabetes mellitus with multiple complications         | type 1 diabetes |
| C108400     | Unstable insulin dependent diabetes mellitus                 | type 1 diabetes |
| C108411     | Unstable type I diabetes mellitus                            | type 1 diabetes |
| C108412     | Unstable type 1 diabetes mellitus                            | type 1 diabetes |
| C108500     | Insulin dependent diabetes mellitus with ulcer               | type 1 diabetes |
| C108511     | Type I diabetes mellitus with ulcer                          | type 1 diabetes |
| C108512     | Type 1 diabetes mellitus with ulcer                          | type 1 diabetes |
| C108600     | Insulin dependent diabetes mellitus with gangrene            | type 1 diabetes |
| C108700     | Insulin dependent diabetes mellitus with retinopathy         | type 1 diabetes |
| C108711     | Type I diabetes mellitus with retinopathy                    | type 1 diabetes |
| C108712     | Type 1 diabetes mellitus with retinopathy                    | type 1 diabetes |
| C108800     | Insulin dependent diabetes mellitus - poor control           | type 1 diabetes |
| C108811     | Type I diabetes mellitus - poor control                      | type 1 diabetes |
| C108812     | Type 1 diabetes mellitus - poor control                      | type 1 diabetes |
| C108900     | Insulin dependent diabetes maturity onset                    | type 1 diabetes |
| C108911     | Type I diabetes mellitus maturity onset                      | type 1 diabetes |
| C108A00     | Insulin-dependent diabetes without complication              | type 1 diabetes |
| C108A11     | Type I diabetes mellitus without complication                | type 1 diabetes |
| C108B00     | Insulin dependent diabetes mellitus with mononeuropathy      | type 1 diabetes |
| C108B11     | Type I diabetes mellitus with mononeuropathy                 | type 1 diabetes |
| C108C00     | Insulin dependent diabetes mellitus with polyneuropathy      | type 1 diabetes |
| C108D00     | Insulin dependent diabetes mellitus with nephropathy         | type 1 diabetes |
| C108D11     | Type I diabetes mellitus with nephropathy                    | type 1 diabetes |
| C108E00     | Insulin dependent diabetes mellitus with hypoglycaemic coma  | type 1 diabetes |
| C108E11     | Type I diabetes mellitus with hypoglycaemic coma             | type 1 diabetes |
| C108E12     | Type 1 diabetes mellitus with hypoglycaemic coma             | type 1 diabetes |
| C108F00     | Insulin dependent diabetes mellitus with diabetic cataract   | type 1 diabetes |
| C108F11     | Type I diabetes mellitus with diabetic cataract              | type 1 diabetes |
| C108F12     | Type 1 diabetes mellitus with diabetic cataract              | type 1 diabetes |
| C108G00     | Insulin dependent diab mell with peripheral angiopathy       | type 1 diabetes |
| C108H00     | Insulin dependent diabetes mellitus with arthropathy         | type 1 diabetes |
| C108H11     | Type I diabetes mellitus with arthropathy                    | type 1 diabetes |
| C108J00     | Insulin dependent diab mell with neuropathic arthropathy     | type 1 diabetes |
| C108J11     | Type I diabetes mellitus with neuropathic arthropathy        | type 1 diabetes |
| C108J12     | Type 1 diabetes mellitus with neuropathic arthropathy        | type 1 diabetes |
| C10E.00     | Type 1 diabetes mellitus                                     | type 1 diabetes |
| C10E.11     | Type I diabetes mellitus                                     | type 1 diabetes |
| C10E.12     | Insulin dependent diabetes mellitus                          | type 1 diabetes |
| C10E000     | Type 1 diabetes mellitus with renal complications            | type 1 diabetes |
| C10E011     | Type I diabetes mellitus with renal complications            | type 1 diabetes |
| C10E012     | Insulin-dependent diabetes mellitus with renal complications | type 1 diabetes |
| C10E100     | Type 1 diabetes mellitus with ophthalmic complications       | type 1 diabetes |
| C10E111     | Type I diabetes mellitus with ophthalmic complications       | type 1 diabetes |
| C10E112     | Insulin-dependent diabetes mellitus with ophthalmic comps    | type 1 diabetes |

| <b>Code</b> | <b>Description</b>   | <b>Type</b>     |
|-------------|--|-----------------|
| C10E200     | Type 1 diabetes mellitus with neurological complications     | type 1 diabetes |
| C10E212     | Insulin-dependent diabetes mellitus with neurological comps  | type 1 diabetes |
| C10E300     | Type 1 diabetes mellitus with multiple complications         | type 1 diabetes |
| C10E311     | Type I diabetes mellitus with multiple complications         | type 1 diabetes |
| C10E312     | Insulin dependent diabetes mellitus with multiple complicat  | type 1 diabetes |
| C10E400     | Unstable type 1 diabetes mellitus                            | type 1 diabetes |
| C10E411     | Unstable type I diabetes mellitus                            | type 1 diabetes |
| C10E412     | Unstable insulin dependent diabetes mellitus                 | type 1 diabetes |
| C10E500     | Type 1 diabetes mellitus with ulcer                          | type 1 diabetes |
| C10E511     | Type I diabetes mellitus with ulcer                          | type 1 diabetes |
| C10E512     | Insulin dependent diabetes mellitus with ulcer               | type 1 diabetes |
| C10E600     | Type 1 diabetes mellitus with gangrene                       | type 1 diabetes |
| C10E611     | Type I diabetes mellitus with gangrene                       | type 1 diabetes |
| C10E612     | Insulin dependent diabetes mellitus with gangrene            | type 1 diabetes |
| C10E700     | Type 1 diabetes mellitus with retinopathy                    | type 1 diabetes |
| C10E711     | Type I diabetes mellitus with retinopathy                    | type 1 diabetes |
| C10E712     | Insulin dependent diabetes mellitus with retinopathy         | type 1 diabetes |
| C10E800     | Type 1 diabetes mellitus - poor control                      | type 1 diabetes |
| C10E811     | Type I diabetes mellitus - poor control                      | type 1 diabetes |
| C10E812     | Insulin dependent diabetes mellitus - poor control           | type 1 diabetes |
| C10E900     | Type 1 diabetes mellitus maturity onset                      | type 1 diabetes |
| C10EA00     | Type 1 diabetes mellitus without complication                | type 1 diabetes |
| C10EA11     | Type I diabetes mellitus without complication                | type 1 diabetes |
| C10EA12     | Insulin-dependent diabetes without complication              | type 1 diabetes |
| C10EB00     | Type 1 diabetes mellitus with mononeuropathy                 | type 1 diabetes |
| C10EC00     | Type 1 diabetes mellitus with polyneuropathy                 | type 1 diabetes |
| C10EC11     | Type I diabetes mellitus with polyneuropathy                 | type 1 diabetes |
| C10EC12     | Insulin dependent diabetes mellitus with polyneuropathy      | type 1 diabetes |
| C10ED00     | Type 1 diabetes mellitus with nephropathy                    | type 1 diabetes |
| C10ED12     | Insulin dependent diabetes mellitus with nephropathy         | type 1 diabetes |
| C10EE00     | Type 1 diabetes mellitus with hypoglycaemic coma             | type 1 diabetes |
| C10EE12     | Insulin dependent diabetes mellitus with hypoglycaemic coma  | type 1 diabetes |
| C10EF00     | Type 1 diabetes mellitus with diabetic cataract              | type 1 diabetes |
| C10EF12     | Insulin dependent diabetes mellitus with diabetic cataract   | type 1 diabetes |
| C10EG00     | Type 1 diabetes mellitus with peripheral angiopathy          | type 1 diabetes |
| C10EH00     | Type 1 diabetes mellitus with arthropathy                    | type 1 diabetes |
| C10EJ00     | Type 1 diabetes mellitus with neuropathic arthropathy        | type 1 diabetes |
| C10EK00     | Type 1 diabetes mellitus with persistent proteinuria         | type 1 diabetes |
| C10EL00     | Type 1 diabetes mellitus with persistent microalbuminuria    | type 1 diabetes |
| C10EL11     | Type I diabetes mellitus with persistent microalbuminuria    | type 1 diabetes |
| C10EM00     | Type 1 diabetes mellitus with ketoacidosis                   | type 1 diabetes |
| C10EM11     | Type I diabetes mellitus with ketoacidosis                   | type 1 diabetes |
| C10EN00     | Type 1 diabetes mellitus with ketoacidotic coma              | type 1 diabetes |
| C10EN11     | Type I diabetes mellitus with ketoacidotic coma              | type 1 diabetes |
| C10EP00     | Type 1 diabetes mellitus with exudative maculopathy          | type 1 diabetes |
| C10EP11     | Type I diabetes mellitus with exudative maculopathy          | type 1 diabetes |
| C10EQ00     | Type 1 diabetes mellitus with gastroparesis                  | type 1 diabetes |
| C10EQ11     | Type I diabetes mellitus with gastroparesis                  | type 1 diabetes |
| C10z000     | Diabetes mellitus; juvenile type; + unspecified complication | type 1 diabetes |
| L180500     | Pre-existing diabetes mellitus; insulin-dependent            | type 1 diabetes |