|  |  |  |
| --- | --- | --- |
| **Supplementary table 2:** Description of coefficients – predicting hospital re-admission | | |
|  |  |  |
| **Field type** | **Variable group** | **Variables** |
| NLP derived | Catatonia | Catalepsy1, echolalia3, echopraxia1, immobile1, mannerism3, mutism3, perseverance3, posturing3, rigidity3, stupor1 and waxy flexibility1 |
| Disorganised | Abstract thinking3, anhedonia1, circumstantial speech1, concentration5, derailment3, flight of ideas1, formal thought disorder1, guilt1, helpless1, hopeless1, low mood1, psychomotor1 reduced apetite5, reduced coherence3, lowered energy1, tangential speech1 , tearfulness3, thought block1, weight loss3 and worthlessness5 |
| Manic | Disturbed sleep1, elation1, elevated mood5, euphoria1, grandiosity5, insomnia1, irritability1 and pressured speech1 |
| Mood | Affective instability3, emotional instability1 and mood instability5 |
| Negative symptoms | Apathy1, blunted/flat affect1, emotional withdrawal3, motivation1, poor rapport1, poverty of speech1, poverty of thought1 and social withdrawal5 |
| Prescribed medication | Antipsychotics3, clozapine5, medication non-compliance3, first generation antipsychotic (depot)5, first generation antipsychotic (not depot)3, second generation antipsychotic (depot)5 and second generation antipsychotic not depot5 |
| Positive symptoms | Aggression5, agitation1, arousal1, delusions5, hallucinations5, hostility3, paranoia3 and persecutory ideas1 |
| Recreational drug use | Cannabis use5 |
| Structured | Index admission | Admission method**1**, admission source**3**, admission ward service type**3**, day of discharge**1**, duration of hospitalisation**1**, discharge destination5 , discharge method**5**, discharge ward service type**3**, MHA status (admission)1, MHA section 171, MHA section 621, borough of referring team**5**, rehabilitation ward flag1  and ward stay count1 |
| Demographic/patient | Age at index admission3, days since last diagnosis**1**, deprivation group3, diagnosis5, drug and alcohol1, ethnicity1, gender1, lives with3 and marital status3 |
| HoNOS | Days since HoNOS**5**, agitated behaviour**3**, cognitive problems**3**, daily living problems**3**, depressed mood**3**, hallucinations**3**, living conditions**1**, occupational problems**5**, other mental health problems**3**, physical illness**1**, problem drinking/drugs**3**, relationship problems**3** and self-injury**3** |
| Service use | Care co-ordinators(n)1, care coordinator duration3, care coordinator profession1, community contact days3, number emergency admissions5, inpatient admission count**3** and average duration admissions5 |
| **1** removed at univariate regression, **2** removed due to high correlation, **3** variables entered but not output by multivariate regression, **4** removed due to inflated standard error and **5** predictors of hospital re-admission | | |