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| **Supplementary table 3:** Description of coefficients – predicting high service cost following first referral | | |
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| **Field type** | **Variable group** | **Variables** |
| NLP derived | Catatonia | Catalepsy1, echolalia3, echopraxia3, immobile1, mannerism3, mutism3, perseverance1, posturing1, rigidity5, stupor3 and waxy flexibility3 |
| Disorganised | Abstract thinking3, anhedonia3, circumstantial speech3, concentration5, derailment3, flight of ideas5, formal thought disorder3, low mood5, reduced apetite5, reduced coherence1, lowered energy5, tangential speech1 , tearfulness5, thought block3, weight loss1 and worthlessness1 |
| Manic | Disturbed sleep5, elation3, elevated mood3, euphoria3, grandiosity3, insomnia3, irritability1 and pressured speech3 |
| Mood | Affective instability1, emotional instability1 and mood instability3 |
| Negative symptoms | Apathy3, blunted/flat affect3, emotional withdrawal1, motivation5, poor rapport3, poverty of speech3, poverty of thought3 and social withdrawal1 |
| Positive symptoms | Aggression5, agitation5, arousal1, delusions3, hallucinations5, hostility5, paranoia3 and persecutory ideas3 |
| Structured | Demographic/patient | Age at referral acceptance 5, deprivation group3, diagnosis5, ethnicity3, gender4, harm/neglect3, lives with3, marital status5, next of kin5 and safeguarding3 |
| Service use | Change of address3, attended appointments(consultant)5, attended appointments(staff grade medic)3, attended appointments (nursing)5, attended appointments(OT)3, attended appointments(Other therapist)3, attended appointments (psychology)5, attended appointments(social worker)3, care co-ordinators(n)1, clinical academic group (CAG)5 , community contact days5, care coordinator profession5, emergency appointments1, emergency inpatient admission count3, consultant recorded3, consultant speciality5, inpatient admission count5, inpatient bed days5, GP practice(n)3, GP recorded1, HoNOS recorded3, IAPT contact1, IAPT sessions1, number of teams5, referral priority3, referral source5, referral status3, risk screen recorded3 and temporary address count3 |
| **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 high total service cost | | |