# Antidepressant medication use in Inflammatory Bowel Disease: a nationally representative population-based cohort study

# Supplementary appendices, figures, and tables

## Supplementary appendix A: Figure 1a: Cumulative combined risk of incident depression, anxiety, or ADM use amongst the IBD and general population. Figure 1b: Cumulative combined risk of depression, anxiety, or ADM use amongst the IBD and general population including individuals with records prior to study index date

## Figure 1b

## Figure 1a





**Abbreviations: \* IBD (Inflammatory Bowel Disease); \* Depression (depression diagnostic and/or depressive symptom code); \* Anxiety (anxiety diagnostic and/or anxiety symptom code); \* ADM (Antidepressant Medication). IBD diagnosis date marked with first vertical green line (Year 0); second vertical line denotes 10 years following IBD diagnosis/pseudo diagnosis date.**

## Supplementary appendix B: **Risk of first TCA use in the first year and ten years following diagnosis amongst individuals with IBD compared with the control** cohort

**All covariates in the table were included within the adjusted analysis. Abbreviations: TCA; Tricyclic antidepressant; HR (Hazard Ratio); CI (Confidence Interval); IMD (Index of Multiple Deprivation) IMD – Index of Multiple Deprivation; IMD 1 represents the least deprived and IMD 5 the most deprived. IMD - Data available only for individual’s resident in England**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **First year** | | | **Ten years** | | |  |
| **Outcome** | **Unadjusted**  **HR (95% CI)** | **Adjusted\***  **HR (95% CI)** | | **Unadjusted**  **HR (95% CI)** | **Adjusted\***  **HR (95% CI)** | | |
| **Cohort**  Matched Controls  IBD  **Sex**  Male  Female  **Age at diagnosis (years)** | 1 (-)  **1.74 (1.56 - 1.93)**  1 (-)  **1.52 (1.36 - 1.69)** | | 1 (-)  **1.59 (1.42 - 1.77)**  1 (-)  **1.50 (1.35 - 1.68)** | 1 (-)  **1.51 (1.42 - 1.61)**  1 (-)  **1.55 (1.46 - 1.65)** | | 1 (-)  **1.38 (1.30 - 1.48)**  1 (-)  **1.55 (1.47 - 1.65)** | |
| < 18 18 < 25 25 < 40  40 < 60  ≥60  **Social deprivation**  IMD 1-3 IMD 4-5  Unknown | **0.17 (0.10 - 0.28)**  **0.60 (0.47 - 0.77)**  **0.81 (0.70 - 0.94)**  1 (-)  1.19 (1.05 - 1.35)  1 (-)  **1.18 (1.02 - 1.35)**  1.04 (0.93 - 1.68) | | **0.29 (0.18 - 0.49)**  **0.67 (0.52 - 0.87)**  **0.84 (0.72 - 0.97)**  1 (-)  **1.17 (1.03 - 1.33)**  1 (-)  1.05 (0.91 - 1.22)  0.99 (0.88 - 1.13) | **0.26 (0.21 - 0.32)**  **0.59 (0.51 - 0.68)**  **0.77 (0.72 - 0.84)**  1 (-)  **1.15 (1.07 - 1.23)**  1 (-)  **1.19 (1.10 - 1.28)**  1.06 (0.99 - 1.12) | | **0.35 (0.30 - 0.43)**  **0.65 (0.56 - 0.75)**  **0.79 (0.72 - 0.86)**  1 (-)  **1.15 (1.07 - 1.23)**  1 (-)  **1.13 (1.04 - 1.23)**  0.99 (0.92 - 1.06) | |
| **Era of IBD diagnosis**  Era 1 2004 - 2007  Era 2 2008 - 2011  Era 3 2012 - 2015  **Smoking status n (%)**  Never  Smoker  Ex-smoker  Missing  **Corticosteroids use**  No  **Yes** | 1 (-)  **1.49 (1.31 - 1.70)**  **1.56 (1.65 – 2.18)**    1 (-)  **1.36 (2.39 - 3.03)**  **1.36 (1.48 - 1.89)**  **0.33 (0.27 - 1.39)**  1 (-)  1.01 (0.64- 1.58) | | 1 (-)  **1.34 (1.17 - 1.53)**  **1.63 (1.42 - 1.87)**  1 (-)  **1.36 (1.17 - 1.59)**  **1.18 (1.02 - 1.35)**  **0.42 (0.34 - 0.51)**  1(-)  1.44 (0.91 - 2.27) | 1 (-)  **1.38 (1.29 - 1.48)**  **1.77 (1.63 - 1.94)**  1 (-)  **1.44 (1.32 - 1.57)**  **1.38 (1.28 - 1.49)**  **0.60 (0.55 - 0.65)**  1 (-)  **0.77 (0.55 - 0.65)** | | 1 (-)  **1.30 (1.21 - 1.39)**  **1.64 (1.51 - 1.80)**  1 (-)  **1.46 (1.33 - 1.59)**  **1.25 (1.16 - 1.35)**  **0.76 (0.70 - 0.83)**  1 (-)  0.99 (0.79 - 1.24) | |

## Supplementary appendix C: Ten-year risk of incident depression and anxiety amongst individuals diagnosed with IBD compared with the control cohort

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | | | | | |
| **DEPRESSION** | | | | **ANXIETY** | |
|  | **Unadjusted**  **HR (95% CI)** | **Adjusted\***  **HR (95% CI)** | | **Unadjusted**  **HR (95% CI)** | **Adjusted\***  **HR (95% CI)** |
| **Cohort** |  |  |  |  |  |
| Matched Controls  IBD  **Sex**  Male  Female  **Age at diagnosis (years)** | 1 (-)  **1.24 (1.16 - 1.33)**  1 (-)  **1.60 (1.50 - 1.70)**  0.88 (0.77 - 1.01)  **1.60 (1.45 - 1.77)**  **1.27 (1.17 - 1.37)**  1 (-)  **0.76 (0.70 - 0.83)**  1 (-)  **1.23 (1.13 - 1.34)** 1.05 (0.98 - 1.21)    1 (-)  1.07 (0.99 - 1.15)  **1.16 (1.06 - 1.27)**    1 (-)  **1.78 (1.62 - 1.93)**  **1.23 (1.04 - 1.24)**  0.85 (0.78 - 0.92)  1 (-)  0.84 (0.67 - 1.07)  **All covariates in the table were included within the adjusted analysis. Abbreviations: HR (Hazard Ratio); CI (Confidence Interval); IMD (Index of Multiple Deprivation) IMD – Index of Multiple Deprivation; IMD 1 represents the least deprived and IMD 5 the most deprived. IMD - Data available only for individual’s resident in England** | | 1 (-)  **1.17 (1.09 - 1.25)**  1 (-)  **1.62 (1.52 - 1.72)** | 1 (-)  **1.29 (1.20 - 1.38)**  1 (-)  **1.61 (1.50 - 1.72)** | 1 (-)  **1.20 (1.11 - 1.28)**  1 (-)  **1.62 (1.51 - 1.73)** |
| < 18 18 < 25 25 < 40  40 < 60  ≥60  **Social deprivation**  IMD 1-3 IMD 4-5  Unknown | 1.11 (0.96 - 1.28)  **1.76 (1.60 - 1.97) 1.28 (1.18 - 1.38)**  1 (-)  **0.77 (0.71 - 0.84)**  1 (-) **1.32 (1.15 - 1.50)**  1.08 (0.97 - 1.20) | 0.86 (0.74 - 1.00)  **1.62 (1.46 - 1.80)**  **1.31 (1.20 - 1.42)**  1 (-)  **0.74 (0.67 - 0.81)**  1 (-)  **1.14 (1.04 - 1.25)**  **1.11 (1.03 - 1.20)** | 1.03 (0.88 - 1.19)  **1.73 (1.34 - 1.94)**  **1.33 (1.22 - 1.44**)  1 (-)  **0.73 (0.67 - 0.81)**  1 (-)  **1.06 (0.97 - 1.17)**  1.08 (1.00 - 1.16) |
| **Era of IBD diagnosis**  Era 1 2004- 2007  Era 2 2008-2011  Era 3 2012-2015  **Smoking status n (%)**  Never  Smoker  Ex-smoker  Missing  **Corticosteroid use**  No  Yes | 1 (-)  1.03 (0.96 - 1.10)  1.09 (0.99 - 1.20)    1 (-)  **1.70 (1.56 - 1.85)**  **1.28 (1.18 - 1.40)**  **0.81 (0.74 - 0.89)**  1 (-)  1.00 (0.79 - 1.28) | 1 (-)  **1.10 (1.01 - 1.19)**  **1.44 (1.31 - 1.58)**  1 (-)  **1.50 (1.36 - 1.65)**  **1.13 (1.03 - 1.24)**  **0.89 (0.81 – 0.97)**  1 (-)  **0.71 (0.56 - 0.90)** | 1 (-)  1.06 (0.98 - 1.15)  **1.36 (1.28 - 1.49)**  1 (-)  **1.44 (1.31 - 1.59)**  **1.28 (1.16 - 1.41)**  **0.89 (0.81 - 0.97)**  1 (-)  0.87 (0.68 - 1.10) |

## Supplementary appendix D: Conditional frequency of incident depression, anxiety, and ADM records f (X=1|Y=1) [%]

Chart

Description automatically generated with low confidence

**Conditional frequency of records given that one has the condition on the y-axis, what is the frequency of having the condition on the x-axis \* D DIAG - Diagnosis of depression \* D SYMP - Depressive symptoms \* A DIAG - Diagnosis of anxiety \* A SYMP - Anxiety symptoms \* ADM – Antidepressant Medication. Of those with a depression diagnosis 44% also had a record for depressive symptoms and of those with an anxiety diagnosis 30% also had a record for symptoms of anxiety. 18% of those who had depressive symptoms had a diagnosis of depression and 20% of those with who had symptoms of anxiety had a diagnosis of anxiety. Sixty three percent of individuals with a diagnosis of depression and 54% with depressive symptoms also had a record for a newly initiated ADM; whilst 52% of individuals with a diagnosis of anxiety and 38% of individuals with symptoms of anxiety had a record for a newly started an ADM following study index date.**

## Supplementary appendix E: Cumulative percentage of individuals diagnosed with IBD by duration of antidepressant episode

Chart, line chart

Description automatically generated

**Supplementary appendix F: Antidepressant Medication code list**

Some antidepressant medications, in particular tricyclic antidepressants such as amitriptyline, may be used for indications other than depression, for example abdominal pain and irritable bowel syndrome. We determined that 83% of amitriptyline prescriptions in our dataset were for a dose equal to or less than 30 mg per day, significantly below the dose recommended for the treatment of depression and we therefore excluded tricyclic antidepressants from our main analyses.

**Citalopram Prodcode**

Cipralex 10mg tablets (Lundbeck Ltd) 648

Cipralex 10mg/ml oral drops (Lundbeck Ltd) 26056

Cipralex 20mg tablets (Lundbeck Ltd) 6360

Cipralex 20mg/ml oral drops (Lundbeck Ltd) 41062

Cipralex 5mg tablets (Lundbeck Ltd) 785

Cipramil 10mg tablets (Lundbeck Ltd) 3861

Cipramil 20mg tablets (Lundbeck Ltd) 1712

Cipramil 40mg tablets (Lundbeck Ltd) 2408

Citalopram 10mg Tablet (Neo Laboratories Ltd) 34498

Citalopram 10mg tablets 476

Citalopram 10mg tablets (A A H Pharmaceuticals Ltd) 34586

Citalopram 10mg tablets (Actavis UK Ltd) 32848

Citalopram 10mg tablets (Almus Pharmaceuticals Ltd) 42660

Citalopram 10mg tablets (IVAX Pharmaceuticals UK Ltd) 33720

Citalopram 10mg tablets (Mylan Ltd) 34436

Citalopram 10mg tablets (Niche Generics Ltd) 45286

Citalopram 10mg tablets (PLIVA Pharma Ltd) 52824

Citalopram 10mg tablets (Ranbaxy (UK) Ltd) 59193

Citalopram 10mg tablets (Sandoz Ltd) 34499

Citalopram 10mg tablets (Teva UK Ltd) 41528

Citalopram 10mg tablets (Waymade Healthcare Plc) 56355

Citalopram 10mg tablets (Zentiva) 34413

Citalopram 10mg/5ml oral suspension 54827

Citalopram 20mg Tablet (Neo Laboratories Ltd) 34722

Citalopram 20mg tablets 67

Citalopram 20mg tablets (A A H Pharmaceuticals Ltd) 34356

Citalopram 20mg tablets (Actavis UK Ltd) 34871

Citalopram 20mg tablets (Almus Pharmaceuticals Ltd) 48026

Citalopram 20mg tablets (Mylan Ltd) 34415

Citalopram 20mg tablets (Niche Generics Ltd) 34970

Citalopram 20mg tablets (Sandoz Ltd) 26016Citalopram 20mg tablets (Teva UK Ltd) 34966

Citalopram 20mg tablets (Waymade Healthcare Plc) 60568

Citalopram 20mg tablets (Zentiva) 34822

Citalopram 40mg Tablet (Neo Laboratories Ltd) 43519

Citalopram 40mg tablets 4770

Citalopram 40mg tablets (A A H Pharmaceuticals Ltd) 36746

Citalopram 40mg tablets (Actavis UK Ltd) 46977

Citalopram 40mg tablets (Almus Pharmaceuticals Ltd) 60839

Citalopram 40mg tablets (DE Pharmaceuticals) 55033

Citalopram 40mg tablets (Mylan Ltd) 34603

Citalopram 40mg tablets (Niche Generics Ltd) 45223

Citalopram 40mg tablets (Sandoz Ltd) 34466

Citalopram 40mg tablets (Teva UK Ltd) 45304

Citalopram 40mg tablets (Zentiva) 46926

Paxoran 10mg Tablet (Ranbaxy (UK) Ltd) 32546

Paxoran 20mg Tablet (Ranbaxy (UK) Ltd) 29756

**Escitalopram (Prodcode)**

Escitalopram 10mg tablets 603

Escitalopram 10mg/ml oral drops sugar free 20152

Escitalopram 20mg tablets 6218

Escitalopram 20mg/ml oral drops sugar free 40726

Escitalopram 5mg tablets 6405

**Fluoxetine (Prodcode)**

Fluoxetine 10mg tablets 42499

Fluoxetine 20mg Capsule (Milpharm Ltd) 38890

Fluoxetine 20mg capsules 22

Fluoxetine 20mg capsules (A A H Pharmaceuticals Ltd) 19183

Fluoxetine 20mg capsules (Actavis UK Ltd) 45329

Fluoxetine 20mg capsules (Fannin UK Ltd) 45247

Fluoxetine 20mg capsules (Genus Pharmaceuticals Ltd) 34202

Fluoxetine 20mg capsules (IVAX Pharmaceuticals UK Ltd) 34294

Fluoxetine 20mg capsules (Mylan Ltd) 34288

Fluoxetine 20mg capsules (Niche Generics Ltd) 42107

Fluoxetine 20mg capsules (Ranbaxy (UK) Ltd) 19470

Fluoxetine 20mg capsules (Sandoz Ltd) 45224

Fluoxetine 20mg capsules (Teva UK Ltd) 34456

Fluoxetine 20mg capsules (Tillomed Laboratories Ltd) 34849

Fluoxetine 20mg capsules (Wockhardt UK Ltd) 45316

Fluoxetine 20mg capsules (Zentiva) 33410

Fluoxetine 20mg/5ml oral solution 2548

Fluoxetine 20mg/5ml oral solution (A A H Pharmaceuticals Ltd) 34216

Fluoxetine 20mg/5ml oral solution (IVAX Pharmaceuticals UK Ltd) 42803

Fluoxetine 20mg/5ml oral solution (Teva UK Ltd) 30258

Fluoxetine 20mg/5ml oral solution sugar free 36893

Fluoxetine 60mg capsules 4075

Fluoxetine 60mg capsules (Mylan Ltd) 34856

Prozac 20mg capsules (Eli Lilly and Company Ltd) 418

Prozac 20mg/5ml liquid (Eli Lilly and Company Ltd) 252

Prozac 60mg capsules (Eli Lilly and Company Ltd) 4907

Prozep 20mg/5ml oral solution (Chemidex Pharma Ltd) 37256

Prozit 20mg/5ml oral solution (Pinewood Healthcare) 33779

Ranflutin 20mg capsules (Ranbaxy (UK) Ltd) 29786

Felicium 20mg capsules (Opus Pharmaceuticals Ltd) 33071

Oxactin 20mg capsules (Discovery Pharmaceuticals Ltd) 14740

**Mirtazepine (Prodcode)**

Mirtazapine 15mg orodispersible tablets 6421

Mirtazapine 15mg orodispersible tablets (A A H Pharmaceuticals Ltd) 43253

Mirtazapine 15mg orodispersible tablets (Aurobindo Pharma Ltd) 43241

Mirtazapine 15mg orodispersible tablets (Focus Pharmaceuticals Ltd) 43248

Mirtazapine 15mg orodispersible tablets (Genus Pharmaceuticals Ltd) 43246

Mirtazapine 15mg orodispersible tablets (Mylan Ltd) 55482

Mirtazapine 15mg orodispersible tablets (Teva UK Ltd) 43237

Mirtazapine 15mg tablets 6795

Mirtazapine 15mg tablets (A A H Pharmaceuticals Ltd) 43239

Mirtazapine 15mg tablets (Actavis UK Ltd) 53699

Mirtazapine 15mg tablets (Arrow Generics Ltd) 46668

Mirtazapine 15mg tablets (Genus Pharmaceuticals Ltd) 43242

Mirtazapine 15mg tablets (Medreich Plc) 54342

Mirtazapine 15mg tablets (Teva UK Ltd) 43257

Mirtazapine 15mg/ml oral solution sugar free 16154

Mirtazapine 15mg/ml oral solution sugar free (A A H Pharmaceuticals Ltd) 53321

Mirtazapine 15mg/ml oral solution sugar free (DE Pharmaceuticals) 61547

Mirtazapine 15mg/ml oral solution sugar free (Rosemont Pharmaceuticals Ltd) 47966

Mirtazapine 30mg orodispersible tablets 6488

Mirtazapine 30mg orodispersible tablets (A A H Pharmaceuticals Ltd) 43250

Mirtazapine 30mg orodispersible tablets (Actavis UK Ltd) 53648

Mirtazapine 30mg orodispersible tablets (Almus Pharmaceuticals Ltd) 48185

Mirtazapine 30mg tablets 742

Mirtazapine 30mg tablets (A A H Pharmaceuticals Ltd) 47945

Mirtazapine 30mg tablets (Actavis UK Ltd) 40160

Mirtazapine 30mg tablets (DE Pharmaceuticals) 60538

Mirtazapine 45mg orodispersible tablets 6481

Mirtazapine 45mg orodispersible tablets (A A H Pharmaceuticals Ltd) 43235

Mirtazapine 45mg orodispersible tablets (Genus Pharmaceuticals Ltd) 43247

Mirtazapine 45mg orodispersible tablets (Teva UK Ltd) 43234

Mirtazapine 45mg tablets 6854

Mirtazapine 45mg tablets (A A H Pharmaceuticals Ltd) 33337

Mirtazapine 45mg tablets (Actavis UK Ltd) 58625

Zispin 30mg tablets (Organon Laboratories Ltd) 4726

Zispin SolTab 15mg orodispersible tablets (Merck Sharp & Dohme Ltd) 6846

Zispin SolTab 30mg orodispersible tablets (Merck Sharp & Dohme Ltd) 10083

**Paroxetine (Prodcode)**

Paroxetine 10mg tablets 35021

Paroxetine 10mg tablets (Actavis UK Ltd) 59288

Paroxetine 10mg/5ml oral suspension sugar free 527

Paroxetine 20mg tablets 50

Paroxetine 20mg tablets (A A H Pharmaceuticals Ltd) 34419

Paroxetine 20mg tablets (Actavis UK Ltd) 32899

Paroxetine 20mg tablets (Genus Pharmaceuticals Ltd) 40892

Paroxetine 20mg tablets (IVAX Pharmaceuticals UK Ltd) 34351

Paroxetine 20mg tablets (Medreich Plc) 55023

Paroxetine 20mg tablets (Mylan Ltd) 33978

Paroxetine 30mg tablets 1397

Paroxetine 30mg tablets (A A H Pharmaceuticals Ltd) 34587

Paroxetine 30mg tablets (Actavis UK Ltd) 40165

Seroxat 10mg tablets (GlaxoSmithKline UK Ltd) 35112

Seroxat 20mg tablets (GlaxoSmithKline UK Ltd) 841

Seroxat 20mg/10ml liquid (GlaxoSmithKline UK Ltd) 3601

Seroxat 30mg tablets (GlaxoSmithKline UK Ltd) 1575

**Sertraline (Prodcode)**

Sertraline 100mg tablets 727

Sertraline 100mg tablets (A A H Pharmaceuticals Ltd) 55146

Sertraline 100mg tablets (Actavis UK Ltd) 61503

Sertraline 100mg tablets (Almus Pharmaceuticals Ltd) 59600

Sertraline 100mg tablets (PLIVA Pharma Ltd) 54933

Sertraline 100mg tablets (Teva UK Ltd) 44944

Sertraline 100mg/5ml oral suspension 49519

Sertraline 150mg/5ml oral suspension 54826

Sertraline 50mg tablets 488

Sertraline 50mg tablets (A A H Pharmaceuticals Ltd) 32401

Sertraline 50mg tablets (Accord Healthcare Ltd) 58723

Sertraline 50mg tablets (Actavis UK Ltd) 42387

Sertraline 50mg tablets (Almus Pharmaceuticals Ltd) 45915

Sertraline 50mg tablets (Mylan Ltd) 58664

Sertraline 50mg tablets (Teva UK Ltd) 55488

Sertraline 50mg/5ml oral suspension 7328

Lustral 100mg tablets (Pfizer Ltd) 4352

Lustral 50mg tablets (Pfizer Ltd) 1612

**Venlafaxine (Prodcode)**

Tifaxin XL 150mg capsules (Genus Pharmaceuticals Ltd) 39809

Tifaxin XL 75mg capsules (Genus Pharmaceuticals Ltd) 39770

Tonpular XL 150mg capsules (Wockhardt UK Ltd) 57751

Tonpular XL 75mg capsules (Wockhardt UK Ltd) 52716

Venaxx XL 150mg capsules (AMCo) 40514

Venaxx XL 75mg capsules (AMCo) 40515

Venlafaxine 55424

Venlafaxine 150mg Modified-release capsule (Hillcross Pharmaceuticals Ltd) 55501

Venlafaxine 150mg modified-release capsules 2654

Venlafaxine 150mg modified-release capsules (Sandoz Ltd) 43334

Venlafaxine 150mg modified-release tablets 39360

Venlafaxine 150mg/5ml oral solution 50934

Venlafaxine 225mg modified-release tablets 40054

Venlafaxine 37.5mg modified-release tablets 45806

Venlafaxine 37.5mg tablets 301

Venlafaxine 37.5mg tablets (A A H Pharmaceuticals Ltd) 56662

Venlafaxine 37.5mg tablets (Bristol Laboratories Ltd) 59923

Venlafaxine 37.5mg tablets (Teva UK Ltd) 60895

Venlafaxine 37.5mg/5ml oral suspension 13237

Venlafaxine 50mg tablets 2617

Venlafaxine 75mg modified-release capsules 470

Venlafaxine 75mg modified-release capsules (Sandoz Ltd) 43203

Venlafaxine 75mg modified-release tablets 39359

Venlafaxine 75mg tablets 1222

Venlafaxine 75mg tablets (A A H Pharmaceuticals Ltd) 60449

Venlafaxine 75mg tablets (Teva UK Ltd) 56457

Venlafaxine 75mg/5ml oral solution 53326

Venlalic XL 150mg tablets (DB Ashbourne Ltd) 40062

Venlalic XL 225mg tablets (DB Ashbourne Ltd) 40407

Venlalic XL 37.5mg tablets (DB Ashbourne Ltd) 45818

Venlalic XL 75mg tablets (DB Ashbourne Ltd) 40059

Venlaneo XL 150mg capsules (Kent Pharmaceuticals Ltd) 44936

Venlaneo XL 75mg capsules (Kent Pharmaceuticals Ltd) 44937

Vensir XL 150mg capsules (Morningside Healthcare Ltd) 40092

Vensir XL 75mg capsules (Morningside Healthcare Ltd) 40277

Vexarin XL 150mg capsules (Mylan Ltd) 40517

Vexarin XL 75mg capsules (Mylan Ltd) 42600

ViePax 37.5mg tablets (Dexcel-Pharma Ltd) 40764

ViePax 75mg tablets (Dexcel-Pharma Ltd) 40917

ViePax XL 150mg tablets (Dexcel-Pharma Ltd) 40049

ViePax XL 75mg tablets (Dexcel-Pharma Ltd) 40048

Rodomel XL 150mg capsules (Teva UK Ltd) 41314

Rodomel XL 75mg capsules (Teva UK Ltd) 41033

Sunveniz XL 150mg tablets (Sun Pharmaceuticals UK Ltd) 59753

Sunveniz XL 75mg tablets (Sun Pharmaceuticals UK Ltd) 60843

Tardcaps XL 150mg capsules (IXL Pharma Ltd) 40817

Tardcaps XL 75mg capsules (IXL Pharma Ltd) 40815

Ranfaxine XL 75mg capsules (Ranbaxy (UK) Ltd) 48199

Politid XL 150mg capsules (Actavis UK Ltd) 43673

Politid XL 75mg capsules (Actavis UK Ltd) 41299

Efexor 37.5mg tablets (Wyeth Pharmaceuticals) 623

Efexor 50mg tablets (Wyeth Pharmaceuticals) 6274

Efexor 75mg tablets (Wyeth Pharmaceuticals) 9182

Efexor XL 150mg capsules (Pfizer Ltd) 5710

Efexor XL 75mg capsules (Pfizer Ltd) 1474

Bonilux XL 150mg capsules (Sandoz Ltd) 61236

Depefex XL 150mg capsules (Chiesi Ltd) 45664

Depefex XL 75mg capsules (Chiesi Ltd) 45959

Foraven XL 75mg capsules (Forum Products Ltd) 43968

**Supplementary appendix G: Depression and Anxiety code list**

**Depression**

|  |  |
| --- | --- |
| Agitated depression | 1055 |
| Postnatal depression | 2639 |
| H/O: depression | 2716 |
| [X]Depressive episode, unspecified | 2970 |
| [X]Recurrent depressive disorder | 3292 |
| Chronic depression | 4323 |
| [X]Depressive episode | 4639 |
| Recurrent depression | 6482 |
| [X]Other depressive episodes | 6854 |
| Endogenous depression first episode | 6950 |
| Single major depressive episode NOS | 7011 |
| [X]Neurotic depression | 7737 |
| Masked depression | 9183 |
| [X]Moderate depressive episode | 9211 |
| [X]Severe depressive episode without psychotic symptoms | 9667 |
| Single major depressive episode | 10610 |
| [X]Mild depression | 10667 |
| [X]Mild depressive episode | 11717 |
| [X]Severe depressive episode with psychotic symptoms | 12099 |
| Recurrent major depressive episodes, moderate | 14709 |
| Single major depressive episode, moderate | 15155 |
| Single major depressive episode, severe, without psychosis | 15219 |
| Single major depressive episode, mild | 16506 |
| Psychotic reactive depression | 17770 |
| [X]Recurrent depressive disorder, currently in remission | 22116 |
| Recurrent major depressive episode NOS | 25563 |
| Recurrent major depressive episodes, severe, no psychosis | 25697 |
| Recurrent major depressive episodes, mild | 29342 |
| [X]Recurrent depressive disorder, current episode moderate | 29520 |
| [X]Recurrent depressive disorder, current episode mild | 29784 |
| Single major depressive episode, severe, with psychosis | 32159 |
| [X]Recurr depress disorder cur epi severe without psyc sympt | 33469 |
| Single major depressive episode, unspecified | 34390 |
| Recurrent major depressive episodes, unspecified | 35671 |
| Single major depressive episode, partial or unspec remission | 43324 |
| [X]Recurrent depressive disorder, unspecified | 44300 |
| [X]Recurrent depress disorder cur epi severe with psyc symp | 47009 |
| [X]Other recurrent depressive disorders | 47731 |
| Recurrent major depressive episodes, in full remission | 55384 |
| Single major depressive episode, in full remission | 57409 |
| [X]Major depression, moderately severe | 98252 |
| [X]Major depression, mild | 98346 |
| [X]Major depression, severe without psychotic symptoms | 98414 |
| [X]Recurr major depr ep, severe with psych, psych in remiss | 101153 |
|  |  |
| Recurrent major depressive episodes, unspecified | 35671 |
| Single major depressive episode, partial or unspec remission | 43324 |
| [X]Recurrent depressive disorder, unspecified | 44300 |
| [X]Recurrent depress disorder cur epi severe with psyc symp | 47009 |
| [X]Other recurrent depressive disorders | 47731 |
| Recurrent major depressive episodes, in full remission | 55384 |
| Single major depressive episode, in full remission | 57409 |
| [X]Major depression, moderately severe | 98252 |

|  |
| --- |
| [X]Major depression, mild 98346 |
| [X]Major depression, severe without psychotic symptoms 98414 |
| [X]Recurr major depr ep, severe with psych, psych in remiss 101153 |
| Depressed 1996 |
| C/O - feeling depressed 4824 |
| Low mood 8928 |
| Symptoms of depression 9796 |
| Depressed mood 10015 |
| Depressive symptoms 10438 |
| Loss of capacity for enjoyment 25435 |
| Loss of hope for the future 53148 |
| Health of the Nation Outcome Scale item 7 - depressed mood 96038 |
| Feeling low or worried 101422 |

**Anxiety**

|  |  |
| --- | --- |
|  |  |
| Anxiety with depression | 655 |
| [X]Anxiety neurosis | 962 |
| Chronic anxiety | 1758 |
| Phobic disorders | 1907 |
| H/O: anxiety state | 3407 |
| Panic disorder | 4069 |
| Anxiety state NOS | 4534 |
| Recurrent anxiety | 4634 |
| Generalised anxiety disorder | 4659 |
| Neurotic disorders | 5249 |
| [X]Other anxiety disorders | 5385 |
| Separation anxiety disorder | 6221 |
| Anxiety state unspecified | 6939 |
| [X]Mild anxiety depression | 7749 |
| Anxiety counselling | 7999 |
| [X]Panic disorder [episodic paroxysmal anxiety] | 8205 |
| [X]Anxious [avoidant] personality disorder | 8424 |
| [X]Phobic anxiety disorders | 9386 |
| Phobic anxiety | 9944 |
| [X]Generalized anxiety disorder | 10344 |
| [X]Mixed anxiety and depressive disorder | 11913 |
| Neurotic disorder NOS | 14780 |
| [X]Persistent anxiety depression | 15220 |
| Social phobic disorders | 16638 |
| [X]Dream anxiety disorder | 17687 |
| [X]Separation anxiety disorder of childhood | 18032 |
| Psychoneurotic personality disorder | 21077 |
| [X]Anxiety disorder, unspecified | 23838 |
| [X]Other specified anxiety disorders | 24066 |
| [X]Phobic anxiety disorder of childhood | 24351 |
| [X]Anxiety NOS | 25638 |
| Reducing anxiety | 26295 |
|  |  |
| [X]Anxiety hysteria | 28167 |
| Neurotic personality disorder | 28227 |
| Alleviating anxiety | 28381 |
| [X]Social anxiety disorder of childhood | 29907 |
| [X]Phobic anxiety disorder, unspecified | 34064 |
| Other neurotic disorders | 42000 |
| Other neurotic disorder NOS | 43050 |
| [X]Other mixed anxiety disorders | 44321 |
| [X]Other specified neurotic disorders | 44331 |
| [X]Neurotic disorder, unspecified | 49628 |
| [X]Anxiety state | 50191 |
| [X]Psychoneurotic personality disorder | 50348 |
| [V]Personal history of neurosis | 51613 |
| [X]Childhood overanxious disorder | 61430 |
|  |  |
| Anxiousness | 131 |
| Panic attack | 462 |
| Tension - nervous | 514 |
| Nervous breakdown | 791 |
| Hypochondriasis | 966 |
| Cancer phobia | 1510 |
| Nervous exhaustion | 1582 |
| Claustrophobia | 1723 |
| Obsessional neurosis | 2030 |
| Phobia unspecified | 2300 |
|  |  |
| [D]Nervousness | 2509 |
| Worried | 2524 |
| [X]Agoraphobia | 2571 |
| Tenseness - symptom | 2585 |
| Neurotic personality | 2729 |
| Agoraphobia with panic attacks | 3076 |
| General nervous symptoms | 3328 |
| 'Nerves' | 3586 |
|  |  |
| [X]Panic state | 4081 |
| Fear of flying | 4167 |
| Poor insight into neurotic condition | 5274 |
| Fear | 5347 |
| Compulsive neurosis | 5678 |
| Anxiousness - symptom | 5902 |
| Fear of pregnancy | 6071 |
| [X]Phobia NOS | 7222 |
| O/E - nervous | 8725 |
| Anxiety management training | 9125 |
| Neurotic, personality, and other nonpsychotic disorders | 9686 |
| [X]Specific (isolated) phobias | 9785 |
| Fear of death | 10390 |
| [D]Nervous tension | 10723 |
| [X]Hypochondriasis | 10870 |
| [X]Claustrophobia | 11280 |
| [X]Occupational neurosis, | 11339 |
| [X]Social phobias | 11602 |
| C/O - panic attack | 11890 |
| Acute panic state due to acute stress reaction | 11940 |
| [X]Needle phobia | 12508 |
| [X]Simple phobia | 12635 |
| Agoraphobia without mention of panic attacks | 12838 |
| O/E - anxious | 13124 |
| Phobic disorder NOS | 14729 |
| [X]panic disorder with agoraphobia | 14890 |
| Cardiac neurosis | 15292 |
| Somatization disorder | 15321 |
| Neurotic condition, insight present | 15811 |
| Social phobia, fear of eating in public | 16199 |
| [X]Agoraphobia without history of panic disorder | 16729 |
| [X]Animal phobias | 18248 |
| Social phobia, fear of public washing | 18603 |
| Specific fear | 18672 |
| Fear of getting cancer | 18967 |
| O/E - panic attack | 19000 |
| General nervous symptom NOS | 20089 |
| Apprehension | 20163 |
| [V]'Worried well' | 20375 |
| [X]Organic anxiety disorder | 20773 |
| [X]Neurosis NOS | 21431 |
| [X]Obsessive-compulsive neurosis | 21836 |
| Acknowledging anxiety | 22159 |
| [X]Neurotic, stress | 23808 |
| [X]Anankastic neurosis | 24251 |
| [X]Hypochondriacal neurosis | 24264 |
| [X]Somatization disorder | 24439 |
| Nervous syst/mental state NOS | 25213 |
| O/E - fearful mood | 26331 |
| [X]Other neurotic disorders | 28090 |
| Acrophobia | 28106 |
| Examination fear | 28129 |
| Worried well | 28408 |
| Referral for guided self-help for anxiety | 28925 |
| Animal phobia | 28938 |
| Tenseness | 29569 |
| 'Nerves' - nervousness | 29608 |
| Disturbance of anxiety and fearfulness childhood/adolescent | 31522 |
| Fear of crowds | 31672 |
| Social phobia, fear of public speaking | 31957 |
| [X]Traumatic neurosis | 32182 |
| Disturbance anxiety and fearfulness childhood/adolescent NOS | 35594 |
| Childhood and adolescent over anxiousness disturbance | 35619 |
| [X]Anxiety reaction | 35825 |
| O/E - afraid | 38155 |
| Other occupational neurosis | 39518 |
| Cries easily | 40431 |
| Neuroses or other mental disorder NOS | 42410 |
| [X]Social neurosis | 42788 |
| [X]Cardiac neurosis | 44269 |
| Anancastic neurosis | 47365 |
| [X]Enduring personality change after catastrophic experience | 48232 |
| Other specified neuroses or other mental disorders | 50106 |
| Encounter for fear | 53067 |
| Childhood and adolescent fearfulness disturbance | 56026 |
| Adjustment reaction with anxious mood | 56924 |
| [X]Character neurosis NOS | 57567 |
| Recognising anxiety | 62935 |
| [X]Gastric neurosis | 63259 |
| [X]Phobic state NOS | 67898 |
| [X]Acrophobia | 67965 |
| Psychasthenic neurosis | 72171 |
| [X]Psychasthenia neurosis | 90597 |
| Anxious | 93401 |
| Feeling low or worried | 101422 |
| Anxiety about breathlessness | 107410 |