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| Table S1. DSM-IV-TR diagnostic classifications within mood disorder cohort |
| DSM Diagnosis | **Description** | **n** |
| Bipolar Disorder |  |  64 |
|   | Type I | Bipolar I Disorder | 30 |
|   |  | 296.05 | Single manic episode, in partial remission | 1 |
|   |  | 296.40 | Most recent episode hypomanic | 4 |
|  |  | 296.40 | Most recent episode manic, unspecified | 1 |
|  |  | 296.42 | Most recent episode manic, moderate | 2 |
|  |  | 296.44 | Most recent episode manic, severe w/ psychotic features | 2 |
|  |  | 296.51 | Most recent episode depressed, mild | 1 |
|  |  | 296.52 | Most recent episode depressed, moderate | 11 |
|  |  | 296.53 | Most recent episode depressed, severe w/out psychotic features | 1 |
|  |  | 296.54 | Most recent episode depressed, severe w/ psychotic features | 1 |
|  |  | 296.55 | Most recent episode depressed, in partial remission | 2 |
|  |  | 296.56 | Most recent episode depressed, in full remission | 2 |
|  |  | 296.61 | Most recent episode mixed, mild | 1 |
|  |  | 296.62 | Most recent episode mixed, moderate | 1 |
|  | Type II | 296.89 | Bipolar II Disorder | 28 |
|  |  | 296.89 | Mood assessed as: depressed a | 14 |
|  |  | 296.89 | Mood assessed as: euthymic a | 5 |
|  |  | 296.89 | Mood assessed as: hypomanic a | 1 |
|  |  | 296.89 | Mood not assessed | 8 |
|  | NOS | 296.80 | Bipolar Disorder, not otherwise specified | 6 |
| Major Depressive Disorder |  | 167 |
|  | Current |  | 85 |
|  |  | 296.22 | Single episode, moderate | 9 |
|  |  | 296.30 | Recurrent, unspecified | 7 |
|  |  | 296.31 | Recurrent, mild | 18 |
|  |  | 296.32 | Recurrent, moderate | 50 |
|  |  | 296.34 | Recurrent, severe w/ psychotic features | 1 |
|  | Remitted |  | 82 |
|  |  | 296.25 | Single episode, in partial remission | 6 |
|  |  | 296.26 | Single episode, in full remission | 16 |
|  |  | 296.35 | Recurrent, in partial remission | 29 |
|  |  | 296.36 | Recurrent, in full remission | 31 |

DSM-IV-TR = Diagnostic and Statistical Manual of Mental Disorders, Fourth Edition, Text Revision, NOS = not otherwise specified

a – Mood assessments made by psychiatrist, reported in psychiatric assessment

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| Table S2: Comorbid Medical Conditions |
|  | **HC** | **BD** | **rMDD** | **dMDD** | **X2(3)** | **p** |
| N | 201 | 64 | 81 | 85 |  |  |
| No Information | 1 | 0 | 1 | 0 |  |  |
| Constitutional a (%) | 132 (65.7) | 43 (67.2) | 58 (71.6) | 65 (76.5) | 3.62 | 0.306 |
| Ear Nose Throat or Mouth b | 100 (49.8) | 40 (62.5) | 49 (60.5) | 58 (68.2) | 10.05 | 0.018 |
| Cardiovascular c | 23 (11.4) | 23 (35.9) | 16 (19.8) | 25 (29.4) | 23.89 | <0.001 |
| Genitourinary d | 23 (11.4) | 10 (15.6) | 8 (9.9) | 25 (29.4) | 17.20 | 0.001 |
| Respiratory e | 42 (20.9) | 34 (53.1) | 24 (29.6) | 27 (31.8) | 24.56 | <0.001 |
| Gastrointestinal f | 34 (16.9) | 34 (53.1) | 27 (33.3) | 27 (31.8) | 33.79 | <0.001 |
| Musculoskeletal g | 98 (48.8) | 41 (64.1) | 50 (61.7) | 51 (60.0) | 7.57 | 0.056 |
| Integumentary h | 17 (8.5) | 13 (20.3) | 7 (8.6) | 6 (7.1) | 9.10 | 0.028 |
| Neurological i | 64 (31.8) | 50 (78.1) | 37 (45.7) | 58 (68.2) | 58.33 | <0.001 |
| Endocrine j | 19 (9.5) | 23 (35.9) | 15 (18.5) | 26 (30.6) | 30.93 | <0.001 |
| Hematologic/Lymphatic k | 20 (10.0) | 19 (29.7) | 13 (16.0) | 21 (24.7) | 18.06 | <0.001 |

a – One or more of the following conditions: recent fever; recent weight changes; blurred or double vision; eye disease; wear glasses or contact lenses; glaucoma; cataracts.

b – One or more of the following conditions: severe tooth or gum problem; hearing loss or ringing; chronic sinus problems; nosebleeds; sore throat or voice change; allergies.

c – One or more of the following conditions: heart disease; heart murmur; mitral valve prolapse; scarlet fever; rheumatic fever; heart surgery; congestive heart failure; pain or pressure in chest; palpitations; irregular pulse; history of heart attack.

d – One or more of the following conditions: frequent or painful urination; blood in urine; sugar or albumin in urine; kidney stones.

e – One or more of the following conditions: chronic or frequent cough; chronic or frequent colds; tuberculosis; asthma; wheezing; bronchitis; shortness of breath; sleep apnea; pneumonia; spitting up blood; emphysema or chronic obstructive pulmonary disease (COPD).

f – One or more of the following conditions: abdominal pain; nausea and vomiting; intestinal problems; frequent diarrhea; hepatitis; celiac disease; blood in stool; stomach ulcer; vomiting blood; history of liver disease; jaundice; esophageal varices; ulcerative colitis.

g – One or more of the following conditions: bone, joint or other deformity; juvenile arthritis; shoulder or elbow pain; knee pain; muscle or joint weakness; recurrent back pain; arthritis, rheumatism or bursitis; broken bones; swollen or painful joints.

h – One or more of the following conditions: skin disease; rash or itching.

i – One or more of the following conditions: head injury; concussion; loss of consciousness; loss of memory or amnesia; migraine headaches or frequent or recurring headaches; brain tumor; light-headedness or dizziness; frequent fainting spells; epilepsy or seizures; stroke; tingling sensation; neuritis or numbness; paralysis; other (e.g. multiple sclerosis).

j – One or more of the following conditions: thyroid disease; kidney disease; diabetes; hypoglycemia; hormonal disorders.

k – One or more of the following conditions: enlarged glands; tendency to bleed or bruise; anemia; HIV positive/AIDS, cancer/tumors, venereal disease-syphilis.

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| Table S3. Classes of psychiatric medications within the combined MDD group. |
| Medication Class | **n (%)** |
| Unmedicated | 119 (71.3) |
| Medicated a | 48 (28.7) |
|  Antidepressants | 42 (25.1) |
|  Anxiolytics | 20 (12.0) |
|  Mood Stabilizers | 1 (0.6) |
|  Antipsychotics | 8 (4.8) |
|  Stimulants | 6 (3.6) |
|  Combination of two or more | 21 (12.6) |

MDD = major depressive disorder

a – Use of psychotropic drugs other than sleep aids within 3 weeks (8 for fluoxetine) prior to visit.

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| Table S4: Logistic regression results for the presence of medical comorbidities predicting measles seropositivity within the MDD group, controlling for age, sex and ethnicity. |
|  | **OR** | **95% CI** | **p** |
| Constitutional a | 0.92 | 0.52-1.58 | 0.759 |
| Ear Nose Throat or Mouth b | 0.96 | 0.57-1.60 | 0.881 |
| Cardiovascular c | 1.03 | 0.56-1.96 | 0.924 |
| Genitourinary d | 0.70 | 0.38-1.34 | 0.260 |
| Respiratory e | 0.76 | 0.46-1.30 | 0.310 |
| Gastrointestinal f | 1.31 | 0.75-2.34 | 0.356 |
| Musculoskeletal g | 1.08 | 0.66-1.78 | 0.754 |
| Integumentary h | 1.24 | 0.55-3.19 | 0.627 |
| Neurological i | 0.84 | 0.51-1.38 | 0.497 |
| Endocrine j | 0.64 | 0.36-1.15 | 0.128 |
| Hematologic/Lymphatic k | 1.40 | 0.71-2.93 | 0.354 |

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b – One or more of the following conditions: sever tooth or gum problem; hearing loss or ringing; chronic sinus problems; nosebleeds; sore throat or voice change; allergies.

c – One or more of the following conditions: heart disease; heart murmur; mitral valve prolapse; scarlet fever; rheumatic fever; heart surgery; congestive heart failure; pain or pressure in chest; palpitations; irregular pulse; history of heart attack.

d – One or more of the following conditions: frequent or painful urination; blood in urine; sugar or albumin in urine; kidney stones.

e – One or more of the following conditions: chronic or frequent cough; chronic or frequent colds; tuberculosis; asthma; wheezing; bronchitis; shortness of breath; sleep apnea; pneumonia; spitting up blood; emphysema or chronic obstructive pulmonary disease (COPD).

f – One or more of the following conditions: abdominal pain; nausea and vomiting; intestinal problems; frequent diarrhea; hepatitis; celiac disease; blood in stool; stomach ulcer; vomiting blood; history of liver disease; jaundice; esophageal varices; ulcerative colitis.

g – One or more of the following conditions: bone, joint or other deformity; juvenile arthritis; shoulder or elbow pain; knee pain; muscle or joint weakness; recurrent back pain; arthritis, rheumatism or bursitis; broken bones; swollen or painful joints.

h – One or more of the following conditions: skin disease; rash or itching.

i – One or more of the following conditions: head injury; concussion; loss of consciousness; loss of memory or amnesia; migraine headaches or frequent or recurring headaches; brain tumor; light-headedness or dizziness; frequent fainting spells; epilepsy or seizures; stroke; tingling sensation; neuritis or numbness; paralysis; other (e.g. multiple sclerosis).

j – One or more of the following conditions: thyroid disease; kidney disease; diabetes; hypoglycemia; hormonal disorders.

k – One or more of the following conditions: enlarged glands; tendency to bleed or bruise; anemia; HIV positive/AIDS, cancer/tumors, venereal disease-syphilis.