

Supplemental data for “The Prevalence of Mental Illnesses in U.S. State Prisons: A Systematic Review”

Key differences between jails and prisons

| | Jail | Prison |
|---|---|---|
| Average daily population | 750,000 | 1,600,000 |
| Admissions per year | 13,000,000 | 700,000 |
| Jurisdiction | County or City | State or Federal |
| Weekly turnover rate/average time served | 65% | 2.1 years |
| Adjudication status | Convicted: 38.9% Unconvicted: 61.1% | 96% sentenced to more than one year |
| Charges | For convicted, misdemeanors/other sentences <1year | Felonies (state: violent, property; federal: drugs, weapons, immigration) |
| Demographics | 37.8% Black, 15.8% Latino, 87% male | 37% Black, 34% Latino, 93% male |

Sources: Guerino P, Harrison PM, Sabol WJ. *Prisoners in 2010*. Washington DC; 2011; Minton TD. *Jail Inmates at Midyear 2010 - Statistical Tables*. Washington DC; 2011

Supplemental Expanded Tables for “The Prevalence of Mental Illnesses in U.S. State Prisons: A Systematic Review”

Supplemental Table 1. Expanded prevalence estimates of psychiatric disability/mental health problems and key study characteristics from 4 reviewed studies

| Ref | State | Facility type | Prison sample | Study N | % of facility N | Ascertainment | Current/Lifetime | Significant psychiatric disability | Severe psychiatric disability | Mental health issue | Major depression | Ever prescribed psychotropic medication | Lifetime hospitalized for mental health problems | Generalized anxiety |
|-----------------------|-------|----------------------------------|-------------------------|---------|-----------------|---|------------------|------------------------------------|-------------------------------|---------------------|------------------|---|--|---------------------|
| Dvoskin, 1989 [25] | NY | State prisons | General | 3684 | 9.4 | Survey of correctional health and mental health staff | C | 10 | 5 | | | | | |
| Haugebrook, 2010 [26] | NJ | State prisons | Adults age 55 and above | 114 | 12 ^a | Case records | NR | | | 36 | | | | |
| Staton, 2003 [27] | KY | Correctional Institute for Women | Women | 60 | NR | ASI | L | | | | 61.7 | 40 | | 53.3 |
| Tripodi, 2013 [28] | NC | Two state prisons | Women | 125 | 8.3 | ASI | L | | | | | | 27.6 | |

^a Percentage of population aged 55 and above
ASI: Addiction Severity Index.

Supplemental Table 2. Expanded prevalence estimates of psychiatric disorder diagnoses and key study characteristics from 17 reviewed studies.

| Ref | State | Facility type | Prison sample | Study N | % of facility N | Ascertainment | Nosology | Current/Lifetime | ADHD | Adjustment disorders | Affective disorders | Agoraphobia | Bipolar | Dysthymia | Generalized anxiety | Hypomania | Major depression | Mania | Mental disorders | OCD | Panic | Psychotic | PTSD | Schizoaffective | Schizophrenia | Schizophrenia or other psychotic | Social phobia | Specific phobia | | |
|-------------------------------|-------|-----------------------------------|---------------|---------|-----------------|---|-----------|------------------|------|----------------------|---------------------|-------------|---------|-----------|---------------------|-----------|------------------|-------|------------------|-----|-------|-----------|------|-----------------|---------------|----------------------------------|---------------|-----------------|-----|-----|
| Baillargeon, 2000 [29] | TX | State prisons | General | 170,215 | 100 | Physician or mid-level practitioner examination | ICD-10 | C | | | 3.9 | | | | | | | | 10.8 | | | | | | 2 | | | | | |
| | | | Men | 155,949 | 91.6 | | | C | | | 3.3 | | | | | | | | | | 10 | | | | | | | 1.9 | | |
| | | | Women | 14,268 | 8.4 | | | C | | | 10.2 | | | | | | | | | | | 19.8 | | | | | | | 2.7 | |
| Birecree, 1994 [30] | OR | State prisons | Women | 91 | 50 | MMPI, Clinical interview | DSM-III-R | C | | 22 | | | | 6 | 1 | | 29 | | | | | | | 10 | | | | | | |
| Black, 2004 [31] | IA | Medical and Classification Center | General | 67 | NR | MINI-Plus | DSM-IV | C | 10 | | | 16 | | 12 | 4 | 3 | 28 | 4 | | | | 12 | 10 | 6 | 3 | | 6 | 4 | | |
| Blitz, 2005 [32] [†] | NJ | State prisons | General | 17,967 | 100 | Corrections records | NR | C | | | | | | 3.6 | | | | | | | | | | | | | | | .52 | |
| | | | Men | 16,700 | 100 | | | C | | | | | | | | | 3.4 | | | | | | | | | | | | | .46 |
| | | | Women | 1,267 | 100 | | | C | | | | | | | | | 6.7 | | | | | | | | | | | | | |
| Cahill, 2012 [33] | CO | State prisons | General | 3962 | NA | Coolidge Correctional Inventory | DSM-IV-TR | C | 10.5 | | | | | | | | | | | | | | | | | | | | | |

| Ref | State | Facility type | Prison sample | Study N | % of facility N | Ascertainment | Nosology | Current/Lifetime | ADHD | Adjustment disorders | Affective disorders | Agoraphobia | Bipolar | Dysthymia | Generalized anxiety | Hypomania | Major depression | Mania | Mental disorders | OCD | Panic | Psychotic | PTSD | Schizoaffective | Schizophrenia | Schizophrenia or other psychotic | Social phobia | Specific phobia | |
|----------------------|-------|-----------------------------------|--------------------|---------|-----------------|--|-----------|------------------|------|----------------------|---------------------|-------------|---------|-----------|---------------------|-----------|------------------|-------|------------------|-----|-------|-----------|------|-----------------|---------------|----------------------------------|---------------|-----------------|--|
| | | | Men | 3439 | | | | C | 9.8 | | | | | | | | | | | | | | | | | | | | |
| | | | Women | 523 | | | | C | 15.1 | | | | | | | | | | | | | | | | | | | | |
| Collins, 1990 [35]* | NC | State prisons | Male felons | 1140 | NR | DIS plus additional PTSD measures | DSM-III | L | | | | | | | | | | | | | | 2.3 | | | | | | | |
| Collins, 1990 [36]* | NC | State prisons | Male felons | 1140 | NR | DIS | DSM-III | L | | | | | | | 3.4 | | 3 | | | | | | | | | | | | |
| Daniel, 2005 [37] | MO | State prisons | Suicide attempters | 112 | NA | Corrections records | DSM-IV | C | | | | | 16.1 | | | | 26.8 | | | | | | | | | | | | |
| DiCataldo, 1995 [38] | MA | Maximum security prison | General | 514 | 89.3 | Modified RDS | DSM-III | C | | | | | 5.5 | | | | 9 | | | | | | | | 6.5 | | | | |
| Eyestone, 1994 [39] | UT | State Prison | Men | 102 | NR | BDI, HRS, four measures for childhood ADHD | DSM-III-R | C | 25.5 | | | | | | | | 25.5 | | | | | | | | | | | | |
| Gunter, 2008 [40] | IA | Medical and Classification Center | General | 320 | NR | MINI-Plus | DSM-IV | C | 21.7 | | 16.6 | 22.5 | 1.5 | 19.1 | | 16.3 | | | 9.7 | 4.4 | | 12.5 | | 3.7 | | 10.4 | 4.7 | | |
| | | | Men | 264 | NR | | | C | 23.1 | | 16.7 | 22 | 1.1 | 18.2 | | 16.7 | | | 10.2 | 4.9 | | 10.2 | | 3 | | 9.9 | 3.8 | | |
| | | | Women | 56 | NR | | | C | 14.3 | | 16.1 | 25 | 3.6 | 23.2 | | 14.3 | | | 7.1 | 1.8 | | 23.2 | | 7.1 | | 12.3 | 8.9 | | |

| Ref | State | Facility type | Prison sample | Study N | % of facility N | Ascertainment | Nosology | Current/Lifetime | ADHD | Adjustment disorders | Affective disorders | Agoraphobia | Bipolar | Dysthymia | Generalized anxiety | Hypomania | Major depression | Mania | Mental disorders | OCD | Panic | Psychotic | PTSD | Schizoaffective | Schizophrenia | Schizophrenia or other psychotic | Social phobia | Specific phobia |
|-------------------------------|-------|------------------------------------|--------------------|---------|-------------------|--|-----------|------------------|------|----------------------|---------------------|-------------|---------|-----------|---------------------|-----------|------------------|-------|------------------|-----|-------|-----------|------|-----------------|---------------|----------------------------------|---------------|-----------------|
| Hutton, 2001 [41] | MD | Correctional Institution for Women | Women | 177 | 22 | SCID | DSM-IV | C | | | | | | 8 | | | 10 | | | | | 15 | | | | | | |
| Jordan, 1996 [42] | NC | Correctional Center for Women | Female felons | 805 | 100 | CIDI, clinical re-interview | DSM-III-R | C | | | | | | | 1.4 | | 10.8 | | | | 4.7 | | | | | | | |
| Lewis, 2005 [43] | CT | York Correctional Institute | HIV-positive women | 81 | 73.3 ^a | SCID | DSM-IV | L | | | | | 3.7 | 1.2 | | 48.1 | | | 3.7 | 6.2 | | | 1.2 | 1.2 | | | | |
| Powell, 1997 [44] | NE | State prisons | Men | 118 | 13 | DIS | DSM-III-R | C | | | | | 6.8 | 6.8 | 5.1 | | 11.9 | 5.1 | | | 5.1 | 27.1 | 9.3 | 3.4 | | | | |
| Wolff, 2005 [46] [†] | NJ | State prisons | Men | 16,700 | 100 | Corrections records | NR | C | | | | | | | | | | | | | | | | | | | 4.3 | |
| Zlotnick, 1997 [47] | RI | Correctional Institution for Women | Women | 85 | NR | SCID, Clinician-Administered Assessment Interview for Adults | DSM-IV | C | | | | | | | | | | | | | | 48.2 | | | | | | |

a. Percentage of HIV-positive women

* † Same sample, different articles

Abbreviations: ADHD: Attention Deficit Hyperactive Disorder. ASI: Addiction Severity Index. BDI: Beck Depression Inventory. CES-D: Center for Epidemiologic Studies Depression Scale. CIDI: Composite International Diagnostic Interview. DIS: Diagnostic Interview Schedule. DSM: Diagnostic and Statistical Manual of Mental Disorders. HRS: Hamilton Psychiatric Rating Scale of Depression. ICD-10: International Classification of Disease. MCMI-III: Millon Clinical Multiaxial Inventory-III. MINI-Plus: Mini Neuropsychiatric Interview-Plus. MMPI: Minnesota Multiphasic Personality Inventory. NR: Not reported. NA: Not applicable. OCD: Obsessive compulsive disorder. PTSD: Posttraumatic Stress Disorder. RDS: Referral Decision Scale. SCID: Structured Clinical Interview for DSM Disorders. STAI-S: Spielberger State Anxiety Inventory.

Supplemental Table 3. Expanded prevalence estimates of psychiatric disorder groupings and key study characteristics from 5 reviewed studies.

| Ref | State | Facility type | Prison sample | Study N | % of facility N | Ascertainment | Nosology | Current/Lifetime | Schizophrenia, psychotic disorder, delusional disorder, and dementia | Major depression, major mood disorder, depression, and dysthymia: | OCD, anxiety disorder, panic disorder, phobia, and adjustment disorders | Schizophrenia, other psychoses, depressive disorders, and bipolar spectrum disorders | Major depression, major mood disorder, bipolar disorder | Depression, dysthymia, obsessive compulsive disorder, PTSD | Panic disorder, anxiety disorder, somatoform disorders, impulse control disorders, or ADD/ADHD | "Serious Mental Illnesses?" | At least one disorder | Multiple diagnoses | |
|---------------------|-------|---------------|--------------------|---------|-----------------|---|----------|------------------|--|---|---|--|---|--|--|-----------------------------|-----------------------|--------------------|--|
| Blitz, 2005 [32]† | NJ | State prisons | General | 17,967 | 100 | Corrections records | NR | C | 4.5 | 6.3 | 2.6 | | | | | | | | |
| | | | Men | 16,700 | 100 | | C | 4.5 | 2.3 | | | | | | | | | | |
| | | | Women | 1,267 | 100 | | C | 4.5 | 18.5 | 6.2 | | | | | | | | | |
| Caverley, 2006 [34] | UT | State prison | General | 5700 | 100 | Psychiatric records, Symptom Checklist-90 | NR | NR | | | | 15.5 | | | | | | | |
| Daniel, 2005 [37] | MO | State prisons | Suicide attempters | 112 | NA | Corrections records | DSM-IV | C | | | | | | | | | 78.6 | 43.8 | |
| Way, 2008 [45] | NY | State prisons | General | 2918 | NR | Medical records and clinician diagnosis | NA | C | | | | | | | | 6 | | | |
| Wolff, 2005 [46]† | NJ | State prisons | Men | 16,700 | 100 | Corrections records | NR | C | | | | | 6.7 | 2.7 | 2.1 | 10.9 | | | |

† Same sample, different articles

Abbreviations: DSM: Diagnostic and Statistical Manual of Mental Disorders. NR: Not reported. NA: Not applicable. OCD: Obsessive compulsive disorder. PTSD: Posttraumatic Stress Disorder.

Supplemental Table 4. Expanded prevalence estimates of psychiatric symptoms and key study characteristics from 5 reviewed studies.

| Ref | State | Facility type | Prison sample | Study N | % of facility N | Ascertainment | Nosology | Current/Lifetime | Major depression | Generalized anxiety | PTSD | Dysthymia | Bipolar | Moderate depression | Moderate to severe depression | Severe depression | Emotional/mental problems | Clinically relevant anxiety | Clinically relevant depression | Somatiform | Thought disorder | Delusional disorder | |
|--------------------|-------|------------------------------------|----------------------------|---------|-----------------|--------------------------------|-----------|------------------|------------------|---------------------|------|-----------|---------|---------------------|-------------------------------|-------------------|---------------------------|-----------------------------|--------------------------------|------------|------------------|---------------------|---|
| Boothby, 1999 [48] | NC | State prisons | General | 1494 | NR | BDI | DSM-IV | C | | | | | | 22 | 5 | | | | | | | | |
| Conklin, [49] | MA | Hampden County Correctional Center | General | 1198 | 67 | Comprehensive health interview | NA | NR | | | | | | | | | 20 | | | | | | |
| | | | | | | | | | | | | | | | | | 53 | | | | | | |
| Fogel, 1992 [50] | NC | Correctional Center for Women | Women | 46 | NR | STAI-S, CES-D/ | NA/DSM-IV | C | | | | | | | | | | 57 | 67 | | | | |
| O'Keefe, 2008 [51] | CO | State prisons | General | 9176 | NR | MCMII-III | DSM-IV | C | 5 | 35 | 8 | 17 | 4 | | | | | | | | 2 | 3 | 4 |
| | | | Administrative segregation | | | | | C | 5 | 36 | 9 | 17 | 4 | | | | | | | | 1 | 4 | 7 |
| Rowell, 2011 [52] | NR | Maximum security male prison | Black men | 134 | NR | BDI | DSM-IV | C | | | | | | 29 | 11 | 2 | | | | | | | |

Abbreviations: BDI: Beck Depression Inventory. CES-D: Center for Epidemiologic Studies Depression Scale. DSM: Diagnostic and Statistical Manual of Mental Disorders. MCMII-III: Millon Clinical Multiaxial Inventory-III.. NR: Not reported. NA: Not applicable. PTSD: Posttraumatic Stress Disorder. STAI-S: Spielberger State Anxiety Inventor