| **Outcome** | **Target pop** | **Author, year** | **Description** | **Instrument** | **Recall** | **Study arm** | **FU (mos)** | **IG results** | **CG results** | **OR (95% CI); study reported p-value** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Accident/Injury** | Adults | Fleming, 1997153 | Motor vehicle crash w/fatalities (number of events) | NR(Wisconsin Department of Justice Crime Information Bureau and Wisconsin Department of Transportation) | 4 years | IG1 | 48 | 0/392 persons | 2/382 persons | NR, NS |
| 4 years | IG1 (18-30 yrs) | 48 | 0/392 persons | 1/382 persons | NR, NS |
| Motor vehicle crash w/non-fatal injuries (number of events) | NR(Wisconsin Department of Justice Crime Information Bureau and Wisconsin Department of Transportation) | 4 years | IG1 | 48 | 20/392 persons | 31/382 persons | NR, NS |
| 4 years | IG1 (18-30 yrs) | 48 | 9/392 persons | 20/382 persons | NR; p<0.05 |
| Motor vehicle crash w/property damage only (number of events) | NR(Wisconsin Department of Justice Crime Information Bureau and Wisconsin Department of Transportation) | 4 years | IG1 | 48 | 67/392 persons | 72/382 persons | NR, NS |
| Adults | Fleming, 1997153 | Motor vehicle crash w/property damage only (number of events) | NR(Wisconsin Department of Justice Crime Information Bureau and Wisconsin Department of Transportation) | 4 years | IG1 (18-30 yrs) | 48 | 19/392 persons | 28/382 persons | NR, NS |
| Total motor vehicle events (number of events) | NR(Wisconsin Department of Justice Crime Information Bureau and Wisconsin Department of Transportation) | 4 years | IG1 (18-30 yrs) | 48 | 114/392 persons | 149/382 persons | NR; p<0.05 |
| Adults | Scott, 1990171 | Participants with abnormal accident score | Edinburgh Hospital study | 1 year | IG1 (Women) | 12 | 0/33 (0%) | 1/39 (2.6%) | 0.38 (0.02 to 9.72); NR, NS |
| Edinburgh Hospital study | 1 year | IG1 (Men) | 12 | 2/80 (2.5%) | 6/74 (8.1%) | 0.29 (0.06 to 1.49); NR, NS |
| **Illness** | Adults | Participants with abnormal health score | Edinburgh Hospital study | 1 year | IG1 (Women) | 12 | 15/32 (46.9%) | 18/38 (47.4%) | 0.98 (0.38 to 2.52); NR, NS |
| Edinburgh Hospital study | 1 year | IG1(Men) | 12 | 31/74 (41.9%) | 27/70 (38.6%) | 1.15 (0.59 to 2.24); NR, NS |
| **Legal** | Adults | Fleming, 1997160 | Assault/Battery/Child abuse (number of events) | NR(Wisconsin Department of Justice Crime Information Bureau) | 4 years | IG1 | 48 | 8 | 11 | NR, NS |
| 4 years | IG1(18-30 yrs) | 48 | 6 | 6 | NR, NS |
| Controlled substance, liquor violation (number of events) | NR(Wisconsin Department of Justice Crime Information Bureau) | 4 years | IG1 | 48 | 2 | 11 | NR; p<0.05 |
| 4 years | IG1 (18-30 yrs) | 48 | 0 | 8 | NR; p<0.01 |
| Criminal damage, property damage (number of events) | NR(Wisconsin Department of Justice Crime Information Bureau) | 4 years | IG1 | 48 | 2 | 1 | NR, NS |
| NR(Wisconsin Department of Justice Crime Information Bureau) | 4 years | IG1 (18-30 yrs) | 48 | 1 | 3 | NR, NS |
| Operating vehicle while intoxicated (number of events) | NR(Wisconsin Department of Justice Crime Information Bureau and Wisconsin Department of Transportation) | 4 years | IG1 | 48 | 25 | 25 | NR, NS |
| Adults | Fleming, 1997160 | Operating vehicle while intoxicated (number of events) | NR(Wisconsin Department of Justice Crime Information Bureau and Wisconsin Department of Transportation) | 4 years | IG1 (18-30 yrs) | 48 | 8 | 10 | NR, NS |
| Other arrests (number of events) | NR(Wisconsin Department of Justice Crime Information Bureau) | 4 years | IG1 | 48 | 5 | 9 | NR, NS |
| NR(Wisconsin Department of Justice Crime Information Bureau) | 4 years | IG1 (18-30 yrs) | 48 | 2 | 3 | NR, NS |
| Other moving violations (driving) (number of events) | NR(Wisconsin Department of Justice Crime Information Bureau and Wisconsin Department of Transportation) | 4 years | IG1 | 48 | 169 | 177 | NR, NS |
| NR(Wisconsin Department of Justice Crime Information Bureau and Wisconsin Department of Transportation) | 4 years | IG1 (18-30 yrs) | 48 | 78 | 81 | NR, NS |
| Resist/Obstruct officer/Disorderly conduct (number of events) | NR(Wisconsin Department of Justice Crime Information Bureau) | 4 years | IG1 | 48 | 8 | 6 | NR, NS |
| **Legal** | Adults | Fleming, 1997160 | Resist/Obstruct officer/Disorderly conduct (number of events) | NR(Wisconsin Department of Justice Crime Information Bureau) | 4 years | IG1 (18-30 yrs) | 48 | 6 | 3 | NR, NS |
| Theft/Robbery (number of events) | NR(Wisconsin Department of Justice Crime Information Bureau) | 4 years | IG1 | 48 | 3 | 3 | NR, NS |
| NR(Wisconsin Department of Justice Crime Information Bureau) | 4 years | IG1 (18-30 yrs) | 48 | 1 | 3 | NR, NS |
| Total legal events (number of events) | NR(Wisconsin Department of Justice Crime Information Bureau) | 4 years | IG1 (18-30 yrs) | 48 | 16 | 26 | NR, NS |
| **Mortality** | Adults | Fleming, 1997160 | All-cause mortality | NR(Patient follow-up procedures, family member contacts, Social Security Death Index, and Wisconsin Department of Administration Records Management Section) | 4 years | IG1 | 48 | 3/392 (0.8%) | 7/382 (1.8%) | 0.41 (0.11 to 1.61); NR, NS |
| **Other Health** | Young adults | Marlatt, 1998198 | Classification of participants by individual change based on RAPI score | RAPI | 6 months | IG1(RAPI negative) | 24 | 3/45 (7%) | 8/38 (21%) | 0.27 (0.07 to 1.09) |
| 6 months | IG1(RAPI positive) | 24 | 52/108 (48%) | 46/122 (38%) | 1.53 (0.91 to 2.6) |
| **Pregnancy Outcomes** | Pregnant women | O'Connor, 2007202 | Fetal mortality rate | NR |   | IG1 | 5 | 1/117 (0.9%) | 4/138 (2.9%) | 0.29 (0.03 to 2.62) |
| Ondersma, 2015217 | A live birth of >2,500g with no admission to neonatal intensive care unit | NR | NR | IG1 | 6 | 19/23 (82.6%) | 14/23 (60.9%) | 3.3 (0.8 to 13.8)\*; p=0.09†  |
| **Social** | Adults | Scott, 1990171 | Participants with abnormal social score | Edinburgh Hospital study | 1 year | IG1(Men) | 12 | 12/80 (15%) | 14/74 (18.9%) | 0.76 (0.32 to 1.76); NR, NS |
| 1 year | IG1(Women) | 12 | 5/33 (15.2%) | 3/39 (7.7%) | 2.14 (0.47 to 9.74); NR, NS |
| **Utilization** | Young adults | Fleming, 2010160 | Hospitalization, ED visit, urgent care visit, or admission to local detox unit in the previous 6 months | TLFB | 6 months | IG1 | 6 | 99/493 (20.1%) | 98/493 (19.9%) | 1.01 (0.74 to 1.38); p=0.937†  |
| IG1 | 12 | 91/493 (18.5%) | 90/493 (18.3%) | 1.01 (0.73 to 1.4); p=0.934†  |
| Adults | Fleming, 1997153 | Days of hospitalization (number of events) | Other/Generic | 4 years | IG1 | 48 | 420 | 664 | NR; p<0.05 |
| Other/Generic | IG1 (18-30 yrs) | 48 | 131 | 150 | NR, NS |
| Emergency department visits over 48 months (number of events) | Other/Generic | 4 years | IG1 | 48 | 302 | 376 | NR, NS |
| **Utilization** | Adults | Fleming, 1997153 | Emergency department visits over 48 months (number of events) | Other/Generic | 4 years | IG1 (18-30 yrs) | 48 | 103 | 177 | NR; p<0.01 |
| Adults | Senft, 1997172 | Number of participants hospitalized in past 2 years | NR | 2 years | IG1 | 12 | 29/196 (15%) | 30/215 (14%) | 1.07 (0.62 to 1.86); p=0.7 |
| IG1 | 24 | 55/260 (21.2%) | 56/254 (22%) | 0.95 (0.62 to 1.44); p=0.81 |
| IG1 (Women) | 24 | 10/73 (13.7%) | 20/79 (25.3%) | 0.47 (0.2 to 1.08); p=0.07 |
| IG1 (Men) | 24 | 45/187 (24.1%) | 36/175 (20.6%) | 1.22 (0.74 to 2.01); p=0.43 |
| Adults | Watkins, 2017246 | Had an emergency department visit or hospitalization in past 3 months | Other/Generic | 3 months | IG1 | 6 | 27/138 (19.6%) | 28/123 (22.8%) | 0.83 (0.46 to 1.5); NR, NS |
| Older adults | Ettner, 2014183 | Had an emergency department visit in past year | Other/Generic | 1 year | IG1 | 12 | 70/439 (16%) | 153/610 (25%) | 0.56 (0.33 to 0.96); p≤0.01† |
| Had hospitalization in past year | Other/Generic | 1 year | IG1 | 12 | 57/439 (13%) | 98/610 (16%) | 0.79 (0.44 to 1.44); p=0.09†  |

\*Study-reported OR

† Study reported from adjusted model

**Abbreviations**: CG = control group; CI = confidence interval; FU = followup; IG= intervention group; mos = months; NR = not reported; NS = not statistically significant; OR = odds ratio; pop = population; RAPI = Rutgers Alcohol Problem Inventory; TLFB = Timeline Followback