Evidence Table 4. Outcomes by study

| Author, Year  Country  Trial Name  Funding Source | Drinking Outcomes | Referrals, Other Related Outcomes, Subgroups | Health and QOL Outcomes | Harms | Other |
| --- | --- | --- | --- | --- | --- |
| Anderson & Scott, 19921  United Kingdom  None  Foundation or nonprofit | Change in drinks per week, mean (SD)  G1: -11.5  G2: -6.7  p<0.06  Change in drinks per drinking day, mean (SD)  NR  Not bingeing, %  G1: 77.5  G2: 60.8  p<0.05  Achieving moderate/safe drinking, %  G1: 18  G2: 5  p<0.05  Abstinent, %  NR | Receipt of and followup with referrals  NR  Other outcomes  with abnormal dependence score (change from baseline), %  G1: 23.8 (-17.5)  G2: 36.5 (-5.4)  Subgroup analyses  All results are for men | Morbidity  with abnormal accident score (change from baseline), %  G1: 2.5 (+1.2)  G2: 8.1 (+0)  p=NS  Mortality  NR  Health care utilization  Mean (SE) consultations/year  G1: 3.3 (0.6)  G2: 4.0 (0.6)  p=NS  Change in mean consultations/year  G1: +0.3  G2: +1.3  Mean (SE) episodes/year  G1: 1.8 (0.3)  G2: 2.2 (0.3)  Change in mean episodes/year  G1: -0.3  G2: -0.4  Quality of life  Change in mean life quality score:  G1: 0  G2:0  p=NS | Harms  Change in mean anxiety score (though anxiety was not designated as a harm measure a priori )  G1: +2.2  G2: -2.4  No significant changes in reported frequencies of taking exercise, dieting to lose weight, or cigarette consumption over the duration of the trial or between treatment and control groups. | Change in mean Short GHQ score:  G1: -0.1  G2: +0.1  Change in mean affect balance score:  G1: +0.4  G2: -0.1  % (change from baseline) with abnormal health score  G1: 41.9 (-3.1)  G2: 36.5 (-0.5)  p=NS |

Evidence Table 4. Outcomes by study (continued)

| Author, Year  Country  Trial Name  Funding Source | Drinking Outcomes | Referrals, Other Related Outcomes, Subgroups | Health and QOL Outcomes | Harms | Other |
| --- | --- | --- | --- | --- | --- |
| Anderson & Scott, 19921  (continued) |  |  | Change in mean life satisfaction score:  G1: +1.8  G2: -2.2  p=NS  % (change from baseline) with abnormal social score:  G1: 15.0 (-10)  G2: 18.9 (-12.2)  Change in mean GGT  G1: +6.6  G2: -1.8  Change in mean MCV  G1: +0.2  G2: -0.3  Change in mean BAC  G1: -2.2  G2: -2.1 |  |  |

Evidence Table 4. Outcomes by study (continued)

| Author, Year  Country  Trial Name  Funding Source | Drinking Outcomes | Referrals, Other Related Outcomes, Subgroups | Health and QOL Outcomes | Harms | Other |
| --- | --- | --- | --- | --- | --- |
| Babor, 19962  United States, Australia, Kenya,Mexico, Norway, United Kingdom, Russia, Zimbabwe  WHO Brief Intervention  Multiple | Change in drinks per week, mean (SD)  NR  Change in drinks per drinking day, mean (SD)  NR  Not bingeing, %  NR  Achieving moderate/safe drinking, %  Men @ 9 months  G1: 43  G2: 43  G3: 35  Women @ 9 months  G1: 39  G2: 43  G3: 35  Abstinent, %  Men @ 9 months  G1: 8  G2: 5  G3: 2  Women @ 9 months  G1: 12  G2: 7  G3: 4 | Receipt of and followup with referrals  NR  Other outcomes  Decreasing average daily drinking, %  Men @ 9 months  G1: 40.3  G2: 40.8  G3: 29.0  Women @ 9 months  G1: 45.1  G2: 43.2  Without hazardous daily consumption, %  Men @ 9 months  G1: 53  G2: 51  G3: 42  p=0.01  Women @ 9 months  G1: 43  G2: 46  G3: 40  p=NS  Subgroup analyses  NA | Morbidity  NR  Mortality  NR  Health care utilization  NR  Quality of life  NR | Harms  NR |  |

Evidence Table 4. Outcomes by study (continued)

| Author, Year  Country  Trial Name  Funding Source | Drinking Outcomes | Referrals, Other Related Outcomes, Subgroups | Health and QOL Outcomes | Harms | Other |
| --- | --- | --- | --- | --- | --- |
| Bischof et al., 20083  Grothues et al., 20084  Reinhardt et al., 20085  Germany  Stepped Intervention for Problem Drinkers  Government | Change in drinks per week, mean (SD)  G1: -6.64  G2: -6.23  G3: -3.22  p=NS  Change in drinks per drinking day, mean (SD)  G1: -0.95  G2:-0.89  G1 vs. G2 p=0.217  G1/G2: -0.92  G3: -0.46  G1/G2 vs. G3 p=0.048  Women:  G1/G2 vs. G3:  -35.5% (p=0.039)  Men:  G1/G2 vs. G3: -9.6% (p=0.564)  Not bingeing, %  Among abusers/at-risk:  G1: 77.6  G2: 78.0  G1 vs. G2 p=1.00  G1/G2: 75.0  G3: 58.7%  G1/G2 vs. G3 p=0.039  Achieving moderate/safe drinking, %  G2 only  Male: 25.0  Female: 26.7  p=.898 | Receipt of and followup with referrals  NR  Other outcomes, %  Help-seeking at followup:  Among dependents:  G1: 20.0  G2: 18.4  G1 vs. G2 p=1.00  G1/G2: 19.3  G1/G2 vs. G3G3: 11.1  p=0.694  Among abusers/at-risk:  G1: 4.1  G2: 3.4  G1 vs. G2 p=1.00  G1/G2: 3.7  G3: 1.6  G1/G2 vs. G3 p=0.653  Responding to stepped care - G2 ONLY (achievement of safe drinking), %:  @ 2nd visit  Women: 40  Men: 24.4  p=0.089 | Morbidity  NR  Mortality  Causes not specified  G1: 0  G2: 1  G3: 2  Health care utilization  NR  Quality of life  NR | Harms  NR | Drinks per week calculated by dividing g by 13.7 to get drinks/day and then mulitplying by 7 for drinks/week |

Evidence Table 4. Outcomes by study (continued)

| Author, Year  Country  Trial Name  Funding Source | Drinking Outcomes | Referrals, Other Related Outcomes, Subgroups | Health and QOL Outcomes | Harms | Other |
| --- | --- | --- | --- | --- | --- |
| Bischof et al., 20083  Grothues et al., 20084  Reinhardt et al., 20085  (continued) | Abstinent, %  NR | Subgroup analyses  BY SEVERITY OF ALCOHOL MISUSE  Not bingeing, %  Among dependents at baseline:  G1: 61.2  G2: 51.4  G1 vs. G2 p=0.387  G1/G2: 45.5  G3: 50.0  G1/G2 vs. G3 p=0.694  Among bingers at baseline:  G1: 80.6  G2: 72.5  G1 vs. G2 p=0.577  G1/G2: 67.1  G3: 72.5  G1/G2 vs. G3 p=0.672  Change in drinks per day  Among dependents:  G1: -1.4  G2: -0.96  G1 vs. G2 p=0.793  G1/G2: -1.2  G3: -1.3 (57.5)  G1/G2 vs. G3 p=0.617  Among abusers/at-risk:  G1: -1.3  G2: -1.4  G1 vs. G2 p=0.283  G1/G2: -1.3  G3: -0.27  G1/G2 vs. G3 p=0.002 |  |  |  |

Evidence Table 4. Outcomes by study (continued)

| Author, Year  Country  Trial Name  Funding Source | Drinking Outcomes | Referrals, Other Related Outcomes, Subgroups | Health and QOL Outcomes | Harms | Other |
| --- | --- | --- | --- | --- | --- |
| Bischof et al., 20083  Grothues et al., 20084  Reinhardt et al., 20085  (continued) |  | Among bingers:  G1: +0.27  G2: -0.15  G1 vs. G2 p=0.009  G1/G2: +0.03  G3: +0.02  G1/G2 vs. G3 p=0.283  BY COMORBID MENTAL HEALTH CONDITION  Change in mean drinks per day:  With depression and/or anxiety  G1: -2.1  G2: -1.1  G3: -1.6  G1/G2 vs. G3 p=0.92  No mental health comorbidity  G1: -0.61  G2: -0.65  G3: -0.19  G1/G2 vs. G3 p=0.03  Comorbidity coefficient (95% CI)= +0.594 (0.175 to 1.013); p<0.01  With depression only  G1: -2.6  G2: -0.95  G3: +0.03  G1/G2 vs. G3 p=0.75 |  |  |  |

Evidence Table 4. Outcomes by study (continued)

| Author, Year  Country  Trial Name  Funding Source | Drinking Outcomes | Referrals, Other Related Outcomes, Subgroups | Health and QOL Outcomes | Harms | Other |
| --- | --- | --- | --- | --- | --- |
| Bischof et al., 20083  Grothues et al., 20084  Reinhardt et al., 20085  (continued) |  | With no depression  G1: -0.67  G2: -0.67  G3: -0.22  G1/G2 vs. G3 p=0.03  With anxiety only  G1: +0.0036  G2: -2.5  G3: -2.3  G1/G2 vs. G3 p=0.72  With no anxiety  G1: -0.74  G2: -0.67  G3: -0.22  G1/G2 vs. G3 p=0.03 |  |  |  |

Evidence Table 4. Outcomes by study (continued)

| Author, Year  Country  Trial Name  Funding Source | Drinking Outcomes | Referrals, Other Related Outcomes, Subgroups | Health and QOL Outcomes | Harms | Other |
| --- | --- | --- | --- | --- | --- |
| Chang et al., 19996  United States  None  Government | Change in drinks per week, mean (SD)  NR  Change in drinks per drinking day, mean (SD)  Excluding patients who maintained abstinence through end of study  From baseline to delivery:  G1: -0.3  G2: -0.4  p=NS  During antepartum period:  Values NR  p=NS  Not bingeing, %  NR  Achieving moderate/safe drinking, %  NR  Abstinent, %  For the overall sample, data were not reported. For the subgroup of subjects who were abstinent prior to assessment, those who received the intervention maintained higher rates of abstinence than those in the control group (86% vs. 72%, p=0.04). | Receipt of and followup with referrals  NR  Other outcomes  # of drinking episodes in antepartum period:  G1: 0.7  G2: 1.0  p=0.12  RR of antepartum alcohol consumption:  Overall: 0.80; p=0.33  Women abstinent before assessment: 0.60; p=0.20  Women nonabstinent before assessment: 1.02; p=0.95  Subgroup analyses  NR | Morbidity  NR  Mortality  NR  Health care utilization  NR  Quality of life  Birthweight of infants, g:  G1: 3360  G2: 3406  p=NS | Harms  NR | Mean # weeks of antepartum drinking was 22.4 (5.6) weeks; gestational age required to be <28 weeks @ study entry; mean gestation @ baseline was 16 (4.6) weeks |

Evidence Table 4. Outcomes by study (continued)

| Author, Year  Country  Trial Name  Funding Source | Drinking Outcomes | Referrals, Other Related Outcomes, Subgroups | Health and QOL Outcomes | Harms | Other |
| --- | --- | --- | --- | --- | --- |
| Curry et al., 20037  United States  None  Government | Change in drinks per week, mean (SD)  G1: -4.33  G2: -2.06  p=NR  Change in drinks per drinking day, mean (SD)  NR  Not bingeing, %  G1: 86  G2: 81  p=0.35  Achieving moderate/safe drinking, %  G1: 57  G2: 43  p=0.048  Abstinent, %  NR | Receipt of and followup with referrals  NR  Other outcomes  Chronic drinking (change from baseline), %  G1: 28 (-17)  G2: 28 (-12)  p=NR  Drinking & driving (change from baseline), %  G1: 20 (-31)  G2: 35 (-25)  p=NR  Subgroup analyses  NR | Morbidity  NR  Mortality  NR  Health care utilization  NR  Quality of life  NR | Harms  NR |  |

Evidence Table 4. Outcomes by study (continued)

| Author, Year  Country  Trial Name  Funding Source | Drinking Outcomes | Referrals, Other Related Outcomes, Subgroups | Health and QOL Outcomes | Harms | Other |
| --- | --- | --- | --- | --- | --- |
| Fleming et al., 19978  Fleming et al., 20009  Fleming et al., 200210  Grossberg et al., 200011  Manwell et al., 200412  United States  Project TrEAT  Government | Change in drinks per week, mean (SD)  Overall@ 6 months  G1: -7.57  G2: -3.96  Overall @ 12 months  G1: -7.66  G2: -3.48  Overall treatment difference over 48 months: p=0.0018  Men  @ 6 months  G1: -7.83  G2: -4.83  @ 12 months  G1: -8.05  G2: -5.09  Overall treatment difference @ 12 months: p<0.01  Women  @ 6 months  G1: -7.14  G2: -4.15  @ 12 months  G1: -7.02  G2: -2.49  Overall treatment difference @ 12 months: p<0.05  Change in drinks per drinking day, mean (SD)  NR | Receipt of and followup with referrals  NR  Other outcomes  # binge episodes in previous 30 days  Overall  @ 6 months  G1: 2.88 (4.86)  G2: 3.93 (4.80)  p<0.005  @ 12 months  G1: 3.07 (5.23)  G2: 4.21 (5.52)  p<0.005  Overall treatment effect @ 48 months p=0.0002  Men  @ 6 months  G1: 3.33 (5.35)  G2: 4.37 (5.29)  p<0.025  @ 12 months  G1: 3.43 (5.52)  G2: 4.48 (5.66)  p<0.05  Women  @ 6 months  G1: 2.14 (3.94)  G2: 3.22 (3.80)  p<0.02 | Morbidity  Full sample @ 48 months/young adults (18-30) @ 48 months  Motor vehicle crash with fatalities  G1: 0/0  G2: 2/1  p=NS  Motor vehicle crash with nonfatal injuries  G1: 20/9  G2: 31/20  P = NS/p<0.05  Motor vehicle crash with property damage only  G1: 67/19  G2: 72/28  p=NS  Operating while intoxicated  G1: 25/8  G2: 25/10  p=NS  Other moving violations  G1: 169/78  G2: 177/81  p=NS  Total motor vehicle events  G1: 281/114  G2: 307/149  p=NS/p<0.05 | Harms  Total patient cost per patient (travel, lost work): $38.97  No significant change in the mean number of cigarettes smoked after 12 months for men or women in either group. (Values NR) | No significant changes in general health rating or depressive symptoms after 12 months in either group. |

Evidence Table 4. Outcomes by study (continued)

| Author, Year  Country  Trial Name  Funding Source | Drinking Outcomes | Referrals, Other Related Outcomes, Subgroups | Health and QOL Outcomes | Harms | Other |
| --- | --- | --- | --- | --- | --- |
| Fleming et al., 19978  Fleming et al., 20009  Fleming et al., 200210  Grossberg et al., 200011  Manwell et al., 200412  (continued) | Not bingeing, %  Overall  @ 6 months  G1: 39.5  G2: 27.2  p<0.01  @ 12 months  G1: 42.6  G2: 28.5  p<0.01  @ 24 months:  G1: 37.5  G2: 25.6  p<0.01  @ 36 months:  G1: 38.5  G2: 29.3  p<0.01  @ 48 months:  G1: 36.2%  G2: 29.6%  p<0.10  Overall treatment difference p=0.0004  Men  @ 6 months  G1: 34.8  G2: 25.6  p<0.05  @ 12 months  G1: 40.6  G2: 25.2  p<0.01 | @ 12 months  G1: 2.50 (4.70)  G2: 3.79 (5.27)  p<0.02  Subgroup analyses  Change in mean (SD) drinks/week  Women 18-40 only@ 6 months  G1: -6.58  G2: -4.30  p=0.53  @ 12 months  G1: -6.72  G2: -3.06  p=0.09  @ 24 months  G1: -7.05  G2: -3.88  p=0.01  @ 36 months  G1: -6.94  G2: --5.50  p=0.08  @ 48 months  G1: -6.60  G2: -4.93  p=0.27 | Mortality  Overall: 10  G1: 3 (1 suicide, 2 myocardial infarction)  G2: 7 (2 motor vehicle accidents; 5 coronary artery disease or respiratory failure)  Health care utilization  # ED visits in last 6 months  Full sample  @ 6months  G1: 47  G2: 70  p>0.10  @ 12 months  G1: 60  G2: 62  p>0.10  @ 48 months  G1: 302  G2: 376  p>0.10  Men  @ 6 months  G1: 29  G2: 46  p>0.10  @ 12 months  G1: 33  G2: 39  p>0.10 |  |  |

Evidence Table 4. Outcomes by study (continued)

| Author, Year  Country  Trial Name  Funding Source | Drinking Outcomes | Referrals, Other Related Outcomes, Subgroups | Health and QOL Outcomes | Harms | Other |
| --- | --- | --- | --- | --- | --- |
| Fleming et al., 19978  Fleming et al., 20009  Fleming et al., 200210  Grossberg et al., 200011  Manwell et al., 200412  (continued) | @ 24 months:  G1: 38.1  G2: 27.3  p<0.05  @ 36 months:  G1: 38.5  G2: 31.5  p=NS  @ 48 months:  G1: 36.9  G2: 27.3  p<0.05  Overall treatment difference p=0.002  Women  @ 6 months  G1: 46.6  G2: 29.9  p<0.01  @ 12 months  G1: 45.3%  G2: 32.6%  p< <0.05  @ 24 months:  G1: 38.5  G2: 23.6  p<0.01  @ 36 months:  G1: 43.2  G2: 25.0  p<0.01 | Repeated measures for overall treatment effect: p=0.0039  Pregnant women  G1: -10.1  G2: -3.4  p<0.05  Young adults 18-30  @ 6 months  G1: -6.8  G2: -4.0  @ 12 months  G1: -7.4  G2: -3.3  @ 24 months  G1: -7.3  G2: -3.8  @ 36 months  G1: -6.8  G2: -4.4  @ 48 months  G1: -7.6  G2: -6.7  Overall treatment difference: p<0.002 | Women  @ 6 months  G1: 18  G2: 24  p>0.10  @ 12 months  G1: 27  G2: 23  p>0.10  Women 18-40  @ 6 months  G1: 14  G2: 20  p=0.39  @ 12 months  G1: 23  G2: 21  p=0. 84  @ 24 months  G1: 23  G2: 27  p=0.82  @ 36 months  G1: 35  G2: 32  p=0.70 |  |  |

Evidence Table 4. Outcomes by study (continued)

| Author, Year  Country  Trial Name  Funding Source | Drinking Outcomes | Referrals, Other Related Outcomes, Subgroups | Health and QOL Outcomes | Harms | Other |
| --- | --- | --- | --- | --- | --- |
| Fleming et al., 19978  Fleming et al., 20009  Fleming et al., 200210  Grossberg et al., 200011  Manwell et al., 200412  (continued) | @ 48 months:  G1: 38.5  G2: 32.6  p=NS  Overall treatment difference p=0.0023  Achieving moderate/safe drinking, %  Overall  @ 6 months  G1: 78.1  G2: 67.5  p<0.01  @ 12 months  G1: 79.9  G2: 66.5  p<0.01  @ 24months:  G1: 74.7  G2: 67.0  p<0.01  @ 36 months:  G1: 76.8  G2: 65.4  p<0.01  @ 48 months:  G1: 77.6  G2: 73.6  p=NS  Overall treatment difference p=0.0005 | Not bingeing in previous 30 days, %  Women 18-40  @ 6 months  G1: 40.8  G2: 24.5  p=0.01  @ 12 months  G1: 39.8  G2: 26.5  p=0.03  @ 24 months  G1: 31.1  G2: 18.6  p=0.03  @ 36 months  G1: 35.9  G2: 24.5  p=0.06  @ 48 months  G1: 32.0  G2: 30.4  p=0.71  Young adults 18-30  @ 6 months  G1: 94  G2: 16  @ 12 months  G1: 94  G2: 12  @ 24 months  G1: 24  G2: 15 | @ 48 months  G1: 11  G2: 20  p=0.14  Young adults 18-30  @ 48 months  ED visits  G1: 103  G2: 177  p<0.01  # days hospitalized in last 6 months  Full sample  @ 6 months  G1: 35  G2: 180  p<0.001  @ 12 months  G1: 91  G2: 146  p<0.001  @ 48 months  G1: 420  G2: 664  p<0.05  Men  @ 6 months  G1: 29  G2: 159  p<0.001  @ 12 months  G1: 65  G2: 118  p<0.001 |  |  |

Evidence Table 4. Outcomes by study (continued)

| Author, Year  Country  Trial Name  Funding Source | Drinking Outcomes | Referrals, Other Related Outcomes, Subgroups | Health and QOL Outcomes | Harms | Other |
| --- | --- | --- | --- | --- | --- |
| Fleming et al., 19978  Fleming et al., 20009  Fleming et al., 200210  Grossberg et al., 200011  Manwell et al., 200412  (continued) | Men  @ 6 months  G1: 76.6  G2: 70.2  p=NS  @ 12 months  G1: 79.9%  G2: 68.1%  p<0.01  @ 24 months:  G1: 74.6  G2: 67.6  p=NS  @ 36 months:  G1: 75.0  G2: 66.4  p<0.05  @ 48 months:  G1: 75.8  G2: 76.0  p=NS  Overall treatment difference p=0.046  Women  @ 6 months  G1: 80.4  G2: 63.2  p<0.01  @ 12 months  G1: 79.7  G2: 63.9  p<0.01 | @ 36 months  G1: 30  G2: 24  @ 48 months  G1: 34  G2: 19  Overall p<0.01  Drinking excessively in past 30 days, %  Women 18-40  @ 6 months  G1: 80.6  G2: 68.6  p=0.09  @ 12 months  G1: 80.6  G2: 69.6  p=0.11  @ 24 months  G1: 82.5  G2: 67.6  p=0.02  @ 36 months  G1: 85.4  G2: 67.6  p=0.004  @ 48 months  G1: 85.4  G2: 73.5  p=0.05 | Women  @ 6 months  G1: 6  G2: 21  p<0.001  @ 12 months  G1: 26  G2: 16  p<0.001  Women 18-40  @ 6 months  G1: 6  G2: 16  p=0.26  @ 12 months  G1: 22  G2: 16  p=0.65  @ 24 months  G1: 30  G2: 34  p=0.52  @ 36 months  G1: 39  G2: 28  p=0.84  @ 48 months  G1: 26  G2: 53  p=0.27 |  |  |

Evidence Table 4. Outcomes by study (continued)

| Author, Year  Country  Trial Name  Funding Source | Drinking Outcomes | Referrals, Other Related Outcomes, Subgroups | Health and QOL Outcomes | Harms | Other |
| --- | --- | --- | --- | --- | --- |
| Fleming et al., 19978  Fleming et al., 20009  Fleming et al., 200210  Grossberg et al., 200011  Manwell et al., 200412  (continued) | @ 24 months:  G1: 75.0  G2: 66.0  p<0.10  Women  @ 36 months:  G1: 79.7  G2: 63.9  p<0.01  @ 48 months:  G1: 80.4  G2: 69.4  p<0.05  Overall treatment difference p=0.0021  Abstinent, %  NR | Pregnant women  @ 48 months  G1: 1.5  G2: 4.2  p<0.05  # binge episodes in past 30 days  Women 18-40  @ 6 months  G1: 2.23 (3.02)  G2: 3.54 (3.75)  p=0.13  @ 12 months  G1: 2.27 (2.86)  G2: 3.69 (4.65)  p=0.11  @ 24 months  G1: 3.04 (4.23)  G2: 5.10 (5.75)  p=0.03  @ 36 months  G1: 2.98 (4.46)  G2: 4.18 (4.50)  p=0.28  @ 48 months  G1: 2.95 (3.78)  G2: 4.51 (5.68)  p=0.14 | Young adults 18-30  @ 48 months  G1: 131  G2: 150  p=NS  Quality of life  LEGAL EVENTS  Full sample @ 48 months/ages 18-30 @ 48 months  Assault, battery, child abuse  G1:8/6  G2:11/6  p=NS  Resist or obstruct office, disorderly conduct  G1: 8/6  G2: 6/3  p=NS  Controlled substance, liquor violation  G1: 2/0  G2: 11/8  p<0.05/p<0.01  Criminal or property damage  G1: 2/1  G2: 1/3  p=NS |  |  |

Evidence Table 4. Outcomes by study (continued)

| Author, Year  Country  Trial Name  Funding Source | Drinking Outcomes | Referrals, Other Related Outcomes, Subgroups | Health and QOL Outcomes | Harms | Other |
| --- | --- | --- | --- | --- | --- |
| Fleming et al., 19978  Fleming et al., 20009  Fleming et al., 200210  Grossberg et al., 200011  Manwell et al., 200412  (continued) |  | Young adults 18-30  @ 6 months  G1: 82  G2: 70  @ 12 months  G1: 83  G2: 65  @ 24 months  G1: 86/86/85  G2: 70/65/80  Overall p<0.01 | Theft, robbery  G1: 3/1  G2: 3/3  p=NS  Other arrests  G1: 5/2  G2: 9/3  p=NS  Total legal events  G1: 28/16  G2: 41/26  COSTS PER PATIENT  Screening: $3.43  Assessment: $2.60  Primary intervention visit: $26.19  Intervention followup visit: $26.19  Telephone followup: $2.51  Provider training (one-time total cost): $8,839  Total clinic cost per patient: $165.65  Total patient cost per patient (travel, lost work): $38.97  Overall cost per patient: $205  Postbaseline ED visit costs ($):  G1: 49,008  G2: 60,456 |  |  |

Evidence Table 4. Outcomes by study (continued)

| Author, Year  Country  Trial Name  Funding Source | Drinking Outcomes | Referrals, Other Related Outcomes, Subgroups | Health and QOL Outcomes | Harms | Other |
| --- | --- | --- | --- | --- | --- |
| Fleming et al., 19978  Fleming et al., 20009  Fleming et al., 200210  Grossberg et al., 200011  Manwell et al., 200412  (continued) |  |  | Difference (95% CI): 11,448 (-6,412 to 32,060)  Postbaseline hospitalizations costs ($):  G1: 115,920  G2: 299,920  Difference (95% CI): 184,000 (23,920 to 389,160)  Total postbaseline health care costs ($):  G1: 164,928  G2: 360,376  Difference (95% CI): (36 to 734; 428 to 375)  Postbaseline health care cost per study patient ($):  G1: 421  G2: 943  Difference (95% CI): 523 (94 to 1,093)  All legal event costs ($)  G1: 26,255  G2: 45,188  Difference (95% CI): 18,963 (-25,188 to 70,907)  All motor vehicle event costs ($):  G1: 446,153  G2: 655,261 |  |  |

Evidence Table 4. Outcomes by study (continued)

| Author, Year  Country  Trial Name  Funding Source | Drinking Outcomes | Referrals, Other Related Outcomes, Subgroups | Health and QOL Outcomes | Harms | Other |
| --- | --- | --- | --- | --- | --- |
| Fleming et al., 19978  Fleming et al., 20009  Fleming et al., 200210  Grossberg et al., 200011  Manwell et al., 200412  (continued) |  |  | Difference (95% CI): 209,108 (-128,468 to 751,202)  All legal events and accidents costs ($)  G1: 472,378  G2: 700,449  Difference (95% CI): 228,071 (-191,419 to 757,303)  Legal event and accident cost per patient ($)  G1: 1,206  G2: 1,834  Difference (95% CI): 629 (-488 to 1,932)  Benefit of intervention: $423,519 (95% CI: $35,947 to $884,848)  Reduced ED and hospitalization benefit: $195,448  Lower crime and motor vehicle accidents benefit: $228,071  Benefit per study patient: $1,151 (95% CI, $92 to $2,257)  Net benefit per patient: $947  Benefit-cost ratio: 5.6:1 (95% CI, 0.4 to 11.0) |  |  |

Evidence Table 4. Outcomes by study (continued)

| Author, Year  Country  Trial Name  Funding Source | Drinking Outcomes | Referrals, Other Related Outcomes, Subgroups | Health and QOL Outcomes | Harms | Other |
| --- | --- | --- | --- | --- | --- |
| Fleming et al., 19978  Fleming et al., 20009  Fleming et al., 200210  Grossberg et al., 200011  Manwell et al., 200412  (continued) |  |  | Net benefit for managed care organization per patient: $523; benefit-cost ratio: 3.2:1 (95% CI, 0.6 to 6.6) |  |  |

Evidence Table 4. Outcomes by study (continued)

| Author, Year  Country  Trial Name  Funding Source | Drinking Outcomes | Referrals, Other Related Outcomes, Subgroups | Health and QOL Outcomes | Harms | Other |
| --- | --- | --- | --- | --- | --- |
| Fleming et al., 199913  Mundt et al., 200514  United States  Guiding Older Adult Lifestyles  Multiple | Change in drinks per week, mean (SD)  @ 6 months  G1: -5.49  G2: -0.49  p<0.001  @ 12 months  G1: -5.62  G2: -0.31  p<0.001  @ 24 months  G1: -5.0  G2: -2.0  p<0.05  Change in drinks per drinking day, mean (SD)  NR  Not bingeing, %  In previous 30 days @ 6 months:  G1: 67.95  G2: 58.21  p=NS  In previous 30 days @ 12 months:  G1: 69.23  G2: 50.75  p<0.025 | Receipt of and followup with referrals  NR  Other outcomes  # binge drinking episodes in previous 30 days - mean (SD):  @ 6 months:  G1: 2.47 (6.96)  G2: 4.79 (9.36)  p<0.05  @ 12 months:  G1: 1.83 (5.94)  G2: 5.36 (9.25)  p<0.005  Change in # binge drinking episodes in previous 30 days (mean)  @ 6 months:  G1: -0.91  G2: +0.64  @ 12 months:  G1: -1.55  G2: +1.21  Mean (SD) # heavy drinking episodes in previous 30 days  @ 6 months  G1: 1.82 (4.4)  G2: 4.42 (8.8)  p<0.05 | Morbidity  No significant changes in accidents or injuries for either group.  Mortality  # @ 24 months (causes unspecified)  G1: 1  G2: 4  p=NR  Health care utilization  NR  Quality of life  All costs are @ 24 months  Cost of intervention, $/patient  G1: 236  G2: 3  Cost to clinic, $/patient  G1: 197  G2: 3  Cost to patient, $/patient  G1: 39  G2: 0 | Harms  No significant changes in tobacco use for either group.  Patient costs = $39/patient for G1 and $3/patient for G2 |  |

Evidence Table 4. Outcomes by study (continued)

| Author, Year  Country  Trial Name  Funding Source | Drinking Outcomes | Referrals, Other Related Outcomes, Subgroups | Health and QOL Outcomes | Harms | Other |
| --- | --- | --- | --- | --- | --- |
| Fleming et al., 199913  Mundt et al., 200514  (continued) | Achieving moderate/safe drinking, %  In previous 7 days  @ 6 months:  G1: 84.6  G2: 68.7  p<0.025  @ 12 months:  G1: 84.6  G2: 65.7  p<0.005  @ 24 months:  G1: 83.1  G2: 69.4  p<0.10  Abstinent, %  NR | Mean (SD) # heavy drinking episodes in previous 30 days  @ 12 months  G1: 1.11 (2.4)  G2: 5.46 (9.4)  p<0.001  @ 24 months  G1: 2.05 (5.1)  G2: 3.94 (8.9)  p=NS  Change in # heavy drinking episodes in previous 30 days (mean)  @ 6 months:  G1: -1.52  G2: -0.19  @ 12 months:  G1: -2.23  G2: +0.85  @ 24 months:  G1: -1.29  G2: -0.67  Subgroup analyses  All results are for older adults | Cost of hospitalizations, $/patient (95% CI)  G1: 2,755 (1,664 to 3,846)  G2: 3,433 (1,666 to 5,200)  Cost of ED visits, $/patient (95% CI)  G1: 94 (61 to 127)  G2: 83 (50 to 116)  Cost of Rx and OTC medications, $/patient (95% CI)  G1: 225 (163 to 287)  G2: 216 (165 to 267)  Cost of clinic visits, $/patient (95% CI)  G1: 157 (102 to 212)  G2: 153 (95 to 211)  Outpatient lab and x-ray procedures, $/patient (95% CI)  G1: 29 (11 to 47)  G2: 39 (12 to 66)  Total health care utilization, $/patient (95% CI)  G1: 3,260 (2,128 to 4,392)  G2: 3,924 (2,100 to 5,748) |  |  |

Evidence Table 4. Outcomes by study (continued)

| Author, Year  Country  Trial Name  Funding Source | Drinking Outcomes | Referrals, Other Related Outcomes, Subgroups | Health and QOL Outcomes | Harms | Other |
| --- | --- | --- | --- | --- | --- |
| Fleming et al., 199913  Mundt et al., 200514  (continued) |  |  | Cost of motor vehicle accidents, $/patient (95% CI)  G1: 1,613 (0 to 3,553)  G2: 103 (0 to 242)  Cost of life-years lost, $/patient (95% CI)  G1: 368 (0 to 1089)  G2: 2,261 (0 to 4,522)  Total other social consequences, $/patient (95% CI)  G1: 1,981 (0 to 4,039)  G2: 2,364 (105 to 4,623)  Total health care and social consequences, $/patient (95% CI)  G1: 5,241 (2,995 to 7,487)  G2: 6,289 (3,549 to 9,029) |  |  |

Evidence Table 4. Outcomes by study (continued)

| Author, Year  Country  Trial Name  Funding Source | Drinking Outcomes | Referrals, Other Related Outcomes, Subgroups | Health and QOL Outcomes | Harms | Other |
| --- | --- | --- | --- | --- | --- |
| Fleming, et al., 200815  Wilton, et al., 200916  United States  Healthy Moms  Government | Change in drinks per week, mean (SD)  G1: -3.6  G2: -1.3  p=0.013  Change in drinks per drinking day, mean (SD)  NR  Not bingeing, %  NR  Achieving moderate/safe drinking, %  NR  Abstinent, %  NR | Receipt of and followup with referrals  NR  Other outcomes  Change in number of drinking days in past 28 days  G1: -3.4  G2: -1.2  p=0.024  Change in number of heavy drinking days, past 28 days (4 or more drinks)  G1: -1.8  G2: -0.5  p=0.019  Subgroup analyses  All results for postpartum women. | Morbidity  NR  Mortality  NR  Health care utilization  NR  Quality of life  Mean change in EPDS score  G1: -2.0 (p<0.001)  G2: -0.41 (p=0.342)  p=NR  Change in percent depressed over time from baseline (>9 on EPDS)  G1: -13.4% (p=0.04)  G2: -3.7% (p=0.54)  Total change is significant p<0.05  Experimental group (coefficient, SE): -1.46 (0.612); p=0.018; 95% CI, -2.67 to -0.258 | Harms  NR | Converted from consumption in last 28 days by dividing by 4. |

Evidence Table 4. Outcomes by study (continued)

| Author, Year  Country  Trial Name  Funding Source | Drinking Outcomes | Referrals, Other Related Outcomes, Subgroups | Health and QOL Outcomes | Harms | Other |
| --- | --- | --- | --- | --- | --- |
| Fleming et al., 201017  United States, Canada  College Health Intervention  Multiple | Change in drinks per week, mean (SD)  At 6 months  G1: -4.5  G2: -3.0  At 12 months  G1: -4.8  G2: -3.6  p=NR  % change baseline to 12 months  G1: -27.2%  G2: -21.0%  Overall treatment group effect coefficient (SE) over time: -4.7 (2.0); p=0.018  Change in drinks per drinking day, mean (SD)  NR  Not bingeing, %  Mean number of heavy drinking days  @ 6 months  G1: 5.3 (4.2)  G2: 5.8 (4.1)  @ 12 months  G1: 5.3 (4.3)  G2: 5.5 (3.7)  Change baseline to 12 months  G1: -26.3  G2: -23.3 | Receipt of and followup with referrals  NR  Other outcomes  Mean number of drinking days in the past 28 days  @ 6 months  G1: 9.9 (5.8)  G2: 10.4 (5.5)  @ 12 months  G1: 9.9 (5.8)  G2: 10.3 (5.5)  Change baseline to 12 months, %  G1: -15.4  G2: -12.6  Mean change in drinking days baseline to 6 months  G1: -1.8  G2: -1.4  p=NR  Mean change in drinking days baseline to 12 months  G1: -1.8  G2: -1.5  p=NR | Morbidity  NR  Mortality  NR  Health care utilization  people with at least one hospitalization or ED visit or UC visit or admission to a local detox unit in previous 6 months, %  @ 6 months  G1: 20.1  G2: 19.9  p=0.937  @ 12 months  G1: 18.5  G2: 18.3  p=0.934  % Change baseline to 6 months  G1: -9.1  G2: -9.7  p=NR  % Change baseline to 12 months  G1: -10.7  G2: -11.3  p=NR  Quality of life  NR | Harms  NR | Converted from # drinks in past 28 days by dividing by 4 |

Evidence Table 4. Outcomes by study (continued)

| Author, Year  Country  Trial Name  Funding Source | Drinking Outcomes | Referrals, Other Related Outcomes, Subgroups | Health and QOL Outcomes | Harms | Other |
| --- | --- | --- | --- | --- | --- |
| Fleming et al., 201017  (continued) | Mean change in number of heavy drinking days  Baseline to 6 months  G1: -1.9  G2: -1.3  Baseline to 6/12 months  G1: -1.9  G2: -1.6  Overall treatment group effect over time, p=0.148  Achieving moderate/safe drinking, %  NR  Abstinent, %  NR | Overall treatment group effect over time, p=0.53  RAPI score  @ 6 months  G1: 9.7 (8.9)  G2: 11.0 (9.4)  @ 12 months  G1: 7.8 (7.5)  G2: 9.1 (8.8)  Mean change baseline to 6 months  G1: -5.5  G2: -4.9  Mean change baseline to 12 months  G1: -7.4  G2: -6.8  Overall treatment group difference across time, p=0.033  Subgroup analyses  All results are for college students. |  |  |  |

Evidence Table 4. Outcomes by study (continued)

| Author, Year  Country  Trial Name  Funding Source | Drinking Outcomes | Referrals, Other Related Outcomes, Subgroups | Health and QOL Outcomes | Harms | Other |
| --- | --- | --- | --- | --- | --- |
| Kypri et al., 200418  New Zealand  None  Government | Change in drinks per week, mean (SD)  NR  Change in drinks per drinking day, mean (SD)  NR  Not bingeing, %  Frequency of very episodic heavy drinking  Ratio of geometric group means (95% CI): 0.85 (0.59 to 1.22)  Achieving moderate/safe drinking, %  NR  Abstinent, %  NR | Receipt of and followup with referrals  NR  Other outcomes  Lower frequency of drinking (# drinking days in previous 2 weeks):  G1 vs G3: 0.84 (0.67 to 1.06); NS  Typical occasion quantity:  G1 vs G2: 1.02 (0.81 to 1.27); NS  Less total consumption:  G1 vs G2: 0.90 (0.70 to 1.18); NS  Subgroup analyses  All results are for college students | Morbidity  NR  Mortality  Deaths (cause not specified):  G1: 0  G2: 1  Health care utilization  NR  Quality of life  Number of Problems on the Alcohol Problems Scale (personal, social, sexual, legal consequences of Heavy drinking) (rate ratio with 95% CI):  G1 vs G2: 0.76 (CI, 0.60 to 0.97) p=0.03  Score on the Academic Role Expectations and Alcohol Scale (rate ratio with 95% CI):  G1 vs G2: 0.72 (CI, 0.51 to 1.02) NS | Harms  NR |  |

Evidence Table 4. Outcomes by study (continued)

| Author, Year  Country  Trial Name  Funding Source | Drinking Outcomes | Referrals, Other Related Outcomes, Subgroups | Health and QOL Outcomes | Harms | Other |
| --- | --- | --- | --- | --- | --- |
| Kypri et al., 200719  Kypri et al., 200820  New Zealand  None  Government | Change in drinks per week, mean (SD)  NR  Change in drinks per drinking day, mean (SD)  NR  Not bingeing, %  # of episodes of episodic heavy drinking (>80g for women and >120g for men) in the past 2 weeks (rate ratio with 95% CI):  @ 6 months:  G1 vs G3: 0.78 (0.55 to 1.12), p=0.18  G2 vs G3: 0.65 (0.45 to 0.93), p=0.02  @ 12 months:  G1 vs G3: 0.75 (0.53 to 1.07), p=0.12  G2 vs G3: 0.71 (0.51 to 1.01), p=0.06  Achieving moderate/safe drinking, %  NR  Abstinent, %  NR | Receipt of and followup with referrals  NR  Other outcomes  # of drinking days in past 2 weeks (rate ratio with 95% CI):  @ 6 months:  G1 vs G3: RR: 0.79 (0.68 to 0.94), p=0.008  G2 vs G3: RR: 0.85 (0.73 to 1.00), p=0.05  @ 12 months:  G1 vs G3: 0.86 (0.74 to 1.01), p=0.07  G2 vs G3: 0.92 (0.79 to 1.07), p=0.28  # of drinks per typical drinking occasion in the past 4 weeks (rate ratio with 95% CI):  @ 6 months:  G1 vs G3: 0.93 (0.80 to 1.08), p=0.33  G2 vs G3: 0.85 (0.73 to 0.98), p=0.02  @ 12 months:  G1 vs G3: 0.95 (0.82 to 1.09), p=0.47  G2 vs G3: 0.87 (0.75 to 1.01), p=0.06 | Morbidity  NR  Mortality  NR  Health care utilization  NR  Quality of life  Score on the Academic Role Expectations and Alcohol Scale (rate ratio with 95% CI):  @ 6 months:  G1 vs G3: RR: 0.76 (0.64 to 0.91), p=0.003  G2 vs G3: RR 0.78 (0.65 to 0.93), p=0.005  @ 12 months:  G1 vs G3: RR: 0.80 (0.66 to 0.97), p=0.02  G2 vs G3: RR: 0.75 (0.62 to 0.90), p=0.002  Number of Problems on the Alcohol Problems Scale (personal, social, sexual, legal consequences of Heavy drinking) (rate ratio with 95% CI):  @ 6 months:  G1 vs G3: 0.86 (0.70 to 1.06), p=0.17  G2 vs G3: 0.87 (0.71 to 1.07), p=0.20 | Harms  NR |  |

Evidence Table 4. Outcomes by study (continued)

| Author, Year  Country  Trial Name  Funding Source | Drinking Outcomes | Referrals, Other Related Outcomes, Subgroups | Health and QOL Outcomes | Harms | Other |
| --- | --- | --- | --- | --- | --- |
| Kypri et al., 200719  Kypri et al., 200820  (continued) |  | Total drinks in the past 2 weeks (rate ratio with 95% CI):  @ 6 months:  G1 vs G3: RR: 0.77 (0.63 to 0.95), p=0.02  G2 vs G3: RR: 0.79 (0.64 to 0.97), p=0.02  @ 12 months:  G1 vs G3: RR: 0.77 (0.63 to 0.95), p=0.01  G2 vs G3: RR: 0.87 (0.71 to 1.06), p=0.16  AUDIT scores (median, range; linear regression coefficient with 95% CI):  @ 12 months:  G1:12 (2-27)  G2:12 (4-28)  G3:14 (2-30)  G4: 13 (1-29)  G1 - G3: -2.17 (-1.10 to -3.24), p<0.001  G2 - G3: -2.02 (-0.97 to -3.10), p<0.001  Subgroup analyses  All results are for college students. | @ 12 months:  G1 vs G3: 0.82 (0.67 to 1.01), p=0.07  G2 vs G3: 0.81 (0.66 to 1.00), p=0.05 |  |  |

Evidence Table 4. Outcomes by study (continued)

| Author, Year  Country  Trial Name  Funding Source | Drinking Outcomes | Referrals, Other Related Outcomes, Subgroups | Health and QOL Outcomes | Harms | Other |
| --- | --- | --- | --- | --- | --- |
| Lin et al., 201021  Moore et al., 201022  United States  Healthy Living As You Age  Multiple | Change in drinks per week, mean (SD)  G1: -5.7  G2: -4.5  p<0.05  OR (95% CI): 0.87 (0.76 to 0.99)  Change in drinks per drinking day, mean (SD)  NR  Not bingeing, %  % with one or more heavy drinking days in the past 7 days  OR (95% CI): 0.89 (0.4 to 1.97)  Achieving moderate/safe drinking, %  % at risk drinker @ 12 months  OR (95% CI): 0.68 (0.36 to 1.26)  Abstinent, %  NR | Receipt of and followup with referrals  NR  Other outcomes  Change in CARET Risk Score  G1: -1.52  G2: -1.37  OR (95% CI): 0.89 (0.73 to 1.09)  Adherence to protocol among intervention group:  Completion of no followup calls: 19.7%  Completion of 1 or 2 followup calls:  30%  Completion of all 3 followup calls: 50.3%  Baseline risk score was significant predictor of achieving no at-risk outcome @ 12 months: OR (95%) = 0.70 (0.55 to 0.88) | Morbidity  NR  Mortality  NR  Health care utilization  NR  Quality of life  NR | Harms  NR |  |

Evidence Table 4. Outcomes by study (continued)

| Author, Year  Country  Trial Name  Funding Source | Drinking Outcomes | Referrals, Other Related Outcomes, Subgroups | Health and QOL Outcomes | Harms | Other |
| --- | --- | --- | --- | --- | --- |
| Lin et al., 201021  Moore et al., 201022  (continued) |  | # of health educator followup calls NS associated with achieving not at-risk outcome @ 12 months.  Subgroup analyses  All results are for older adults |  |  |  |

Evidence Table 4. Outcomes by study (continued)

| Author, Year  Country  Trial Name  Funding Source | Drinking Outcomes | Referrals, Other Related Outcomes, Subgroups | Health and QOL Outcomes | Harms | Other |
| --- | --- | --- | --- | --- | --- |
| Lock et al., 200623  United Kingdom  None  Government | Change in drinks per week, mean (SD)  At 6 months:  G1: -1.46 (12.09)  G2: -2.60 (27.83)  Treatment difference (95% CI): 1.14 (-9.61 to 11.89) p = 0.83  At 12 months:  G1: -1.45 (13.70)  G2: -1.26 (20.62)  Treatment difference (95% CI):  -0.19 (-9.02 to 8.64) p = 0.97  Change in drinks per drinking day, mean (SD)  NR  Not bingeing, %  NR  Achieving moderate/safe drinking, %  NR  Abstinent, %  NR | Receipt of and followup with referrals  NR  Other outcomes  Drinking Problems Index:  @ 6 mo:  G1: -0.34 (2.85)  G2: +0.96 (8.06)  Treatment difference (95% CI):  -1.31 (-4.42 to 1.80)  @ 12 mo:  G1: -0.97 (3.97)  G2: +0.33 (6.13)  -1.30 (-3.84 to 1.24)  AUDIT score  @ 6 mo  G1: -1.11 (6.00)  G2: -0.28 (9.48)  Treatment difference (95% CI): -0.82  (-4.84 to 3.19)  Subgroup analyses  NR | Morbidity  NR  Mortality  NR  Health care utilization  General practitioner visits:  G1:2.77 (1.57)  G2: 2.97 (1.87  p=NS  Nurse practitioner visits:  G1: 1.89 (1.6)  G2: 2.00 (1.69)  p=NS  Accident & emegency visits:  G1: 0.36 (0.50)  G2: 0.43 (0.665)  p=NS  Hospital inpatient stays:  G1: 0.37 (0.52)  G2: 0.31 (0.63)  p=NS  Hospital outpatient visits:  G1: 1.46 (1.45)  G2: 1.44 (1.38)  p=NS  Quality of life  SF-12 Physical Health  6 months:  G1: +0.43 (5.01)  G2: +1.00 (6.38) | Harms  Patient costs (British pounds), mean (SD)  G1: 0.48 (0.88)  G2: 2.12 (5.18)  p=NS |  |
| Lock et al., 200623  (continued) |  |  | Treatment difference (95% CI):  -0.57 (-3.37 to 2.23)  12 months:  G1:-0.59 (5.38)  G2: -1.01 (7.33)  Treatment difference (95% CI):  +0.41 (-2.75 to 3.57)  SF-12 Mental Health  6 months:  G1: +0.84 (6.86)  G2: +0.96 (9.18)  Treatment difference (95% CI):  -0.12 (-4.08 to 3.84)  12 months:  G1: +2.18 (9.68)  G2: +1.59 (10.05)  Treatment difference (95% CI):  +0.58 (-4.23 to 5.39)  Total health care costs (British pounds), mean (SD)  G1: 263.16 (359.04)  G2: 392.06 (970.52)  p=NS  Total Health care costs plus intervention delivery costs (British pounds), mean (SD)  G1: 291.73 (359.04)  G2: 392.06 (970.52)  p=NS |  |  |

Evidence Table 4. Outcomes by study (continued)

| Author, Year  Country  Trial Name  Funding Source | Drinking Outcomes | Referrals, Other Related Outcomes, Subgroups | Health and QOL Outcomes | Harms | Other |
| --- | --- | --- | --- | --- | --- |
| Maisto et al., 200124  Maisto et al., 200125  Gordon et al., 200326  United States  Early Lifestyle Modification Study  Government | Change in drinks per week, mean (SD)  6 months:  G1: -7.2  G2: -4.8  G3: -3.2  12 months:  G1: -7.8  G2: -5.1  G3: -3.3  Change in drinks per drinking day, mean (SD)  6 months:  G1: -1.3  G2: -0.9  G3: -0.9  12 months:  G1: -1.55 (-2.32, -0.79)  G2: -1.30 (-1.96, -0.64)  G3: -1.48 (-2.11, -0.85)  Not bingeing, %  NR  Achieving moderate/safe drinking, %  NR  Abstinent, %  NR | Receipt of and followup with referrals  NR  Other outcomes  # of days abstained:  @ 6 months:  G1: +2.7  G2: +3.1  G3: +1.8  @ 12 months:  G1: +2.54 (0.53 to 4.56)  G2: +3.58 (1.58 to 5.57)  G3: +1.16 (0.34 to 2.67)  # days consuming 1-6 drinks:  @ 6 months:  G1: -0.20  G2: -2.4  G3: -1.2  @ 12 months:  G1: -0.34 (-2.40 to 1.73)  G2: -2.53 (-4.66 to -0.4)  G3: -0.75 (-2.24 to 0.74) | Morbidity  NR  Mortality  NR  Health care utilization  NR  Quality of life  NR | Harms  NR | Drinks per month converted to drinks/week by dividing by 4.2857  Important to note that in the older adults, G1 patients consumed more than double the amount per month as G2 and G3; partial explanation for large discrepancy in results  RESULTS BY SCREENING INSTRUMENT, regardless of treatment group  change in # drinks in last week:  AUDIT-positive only: -3.7  QF-positive only: -4.6  QF- and AUDIT-positive: -10.4  change in # drinks per drinking day:  AUDIT-positive only: -1.08  QF-positive only: -1.03 |

Evidence Table 4. Outcomes by study (continued)

| Author, Year  Country  Trial Name  Funding Source | Drinking Outcomes | Referrals, Other Related Outcomes, Subgroups | Health and QOL Outcomes | Harms | Other |
| --- | --- | --- | --- | --- | --- |
| Maisto et al., 200124  Maisto et al., 200125  Gordon et al., 200326  (continued) |  | Subgroup analyses  OLDER ADULTS (65+)  # of drinks per week  @ 6 months:  G1: -14.0  G2: -7.3  G3: -2.8  p=NS  @ 9 months:  G1: -16.3  G2: -5.4  G3: -1.4  p=NS  @ 12 months:  G1: -15.9  G2: -6.1  G3: -3.2  p=NS  Days abstained  @ 6 months:  G1: +7.5  G2: +5.7  G3: +0.8  p=NS  @ 9 months:  G1: -8.3  G2: -4.0  G3: -0.1  p=NS  @ 12 months:  G1: +4.9  G2: +4.5  G3: 2.0  p=NS |  |  | QF- and AUDIT-positive: -1.92  DrInC total score (direction of improvement??)  AUDIT-positive only: -0.68  QF-positive only: +0.47  QF- and AUDIT-positive: +0.29  Coping Behaviors Inventory (direction of improvement??)  AUDIT-positive only: -1.25  QF-positive only: -0.82  QF- and AUDIT-positive: -2.89 |

Evidence Table 4. Outcomes by study (continued)

| Author, Year  Country  Trial Name  Funding Source | Drinking Outcomes | Referrals, Other Related Outcomes, Subgroups | Health and QOL Outcomes | Harms | Other |
| --- | --- | --- | --- | --- | --- |
| Maisto et al., 200124  Maisto et al., 200125  Gordon et al., 200326  (continued) |  | # of drinks per drinking day  @ 6 months:  G1: -1.3  G2: -0.8  G3: -1.5  p=NS  @ 9 months:  G1: -1.8  G2: -0.4  G3: -1.6  p=NS  @ 12 months:  G1: -2.4  G2: -0.9  G3: -1.0  p=NS  # days consuming 1-6 drinks:  @ 6 months  G1: -0.5  G2: -4.8  G3: -0.7  p=NR  @ 9 months  G1: -1.1  G2: -4.8  G3: -0.1  p=NR  @ 12 months  G1: +2.4  G2: -4.0  G3: -1.8  p=NS |  |  |  |

Evidence Table 4. Outcomes by study (continued)

| Author, Year  Country  Trial Name  Funding Source | Drinking Outcomes | Referrals, Other Related Outcomes, Subgroups | Health and QOL Outcomes | Harms | Other |
| --- | --- | --- | --- | --- | --- |
| Noknoy et al., 201027  Thailand  None  Foundation or nonprofit | Change in drinks per week, mean (SD)  G1: -8.55  G2: +0.69  p=0.035  Change in drinks per drinking day, mean (SD)  G1: -2.931  G2: +0.29  p=0.270  Not bingeing, %  NR  Achieving moderate/safe drinking, %  NR  Abstinent, %  NR | Receipt of and followup with referrals  NR  Other outcomes  # binge drinking episodes in previous week - mean (SD):  @ 6 months  G1: 0.45 (1.38)  G2: 0.95 (1.69)  p=0.121  Subgroup analyses  NR | Morbidity  Alcohol-related accidents:  G1: 1  G2: 4  Alcohol-related traffic accidents:  G1: 3  G2: 5  Mortality  G1: 1 (stroke)  G2: 0  Health care utilization  Visit to PCP due to alcohol consumption:  G1: 0  G2: 3  Quality of life  NR | Harms  NR |  |

Evidence Table 4. Outcomes by study (continued)

| Author, Year  Country  Trial Name  Funding Source | Drinking Outcomes | Referrals, Other Related Outcomes, Subgroups | Health and QOL Outcomes | Harms | Other |
| --- | --- | --- | --- | --- | --- |
| Ockene et al., 199928  Ockene et al., 200929  Reiff-Hekking et al., 200530  United States  Project Health  Government | Change in drinks per week, mean (SD)  6 months  G1: -6.0 (11.2)  G2: -3.1 (10.2)  p=0.003  12 months  G1: -5.7  G2: -3.0  p=0.08  Men @ 6 months  G1: -5.6 (12.5)  G2: -2.9 (11.9)  p=0.05  Women @ 6 months  G1: -6.8 (8.0)  G2: -3.5 (7.0)  p=0.003  Change (95% CI) adjusted for age, sex and baseline consumption:  At 6 months:  G1: -5.8 (-7.03 to -4.57)  G2: -3.4 (-4.69 to -2.11)  Treatment difference: -2.4  (-.20 to -0.60); p=0.001  At 12 months  G1: -5.7 (-7.19 to -4.29)  G2: -3.2 (-4.72 to -1.73)  Treatment difference: -2.6  (-4.53 to -0.27) p=0.03 | Receipt of and followup with referrals  NR  Other outcomes  Mean (95% CI) binge drinking episodes per month (adjusted for age, gender, baseline consumption)  @ 6 months  G1 (N=248): -1.8 (-2.41 to -1.19)  G2 (N=233): -1.0 (-1.63 to -0.37)  Treatment difference: -0.8 (-1.68 to 0.08) p=0.09  @ 12 months  G1 (N=235): -2.0 (-2.58 to -1.37)  G2 (N=210): -1.6 (-2.19 to -0.89)  Treatment difference: -0.4 (-1.33 to -0.45)  Achieving safe consumption and not bingeing, %:  @ 6 months  G1: 39  G2: 28  OR (95% CI): 1.60 (1.09 to 2.34) p=0.02 | Morbidity  NR  Mortality  NR  Health care utilization  NR  Quality of life  NR | Harms  NR |  |

Evidence Table 4. Outcomes by study (continued)

| Author, Year  Country  Trial Name  Funding Source | Drinking Outcomes | Referrals, Other Related Outcomes, Subgroups | Health and QOL Outcomes | Harms | Other |
| --- | --- | --- | --- | --- | --- |
| Ockene et al., 199928  Ockene et al., 200929  Reiff-Hekking et al., 200530  (continued) | Change in drinks per drinking day, mean (SD)  NR  Not bingeing, %  Of patients who were binge drinkers (with or without excessive weekly consumption) at baseline, %:  At 6 months  G1: 40  G2: 35  OR (95% CI): 1.24 (0.81 to 1.90) p=0.32  At 12 months  G1: 55  G2: 49  OR (95% CI): 1.37 (0.86 to 2.12) p=0.18  Achieving moderate/safe drinking, %  Of excessive drinkers (with or without bingeing) at baseline:  At 6 months  G1: 54  G2: 39  OR (95% CI): 1.83 (1.20 to 2.78) p=0.01  At 12 months  G1: 54  G2: 49  OR (95% CI): 1.60 (1.00 to 2.54) p=0.05  Abstinent, %  NR | @ 12 months  G1: 42  G2: 29  OR (95% CI): 1.58 (0.99 to 2.52) p=0.06  Treatment x time results from model of log drinks per week + 1, using LOCF:  @ 6 month:s (95% CI): 0.84 (0.71 to 0.98)  @ 12 months: 0.80 (0.68 to 0.95)  @ 48 months: 0.95 (0.81 to 1.12)  Treatment x time interaction difference p=0.03  Male vs. female: 1.7 (1.4, 1.9) p<0.0001  Treatment x time results from model of log binges per month + 1, using LOCF:  @ 6 months (95% CI): 0.82 (0.70 to 0.96)  @ 12 months: 0.87 (0.74 to 1.01)  @ 48 months: 1.01 (0.86 to 1.18) |  |  |  |

Evidence Table 4. Outcomes by study (continued)

| Author, Year  Country  Trial Name  Funding Source | Drinking Outcomes | Referrals, Other Related Outcomes, Subgroups | Health and QOL Outcomes | Harms | Other |
| --- | --- | --- | --- | --- | --- |
| Ockene et al., 199928  Ockene et al., 200929  Reiff-Hekking et al., 200530  (continued) |  | Treatment x time interaction difference p=0.02  Male vs. female: 1.4 (1.2 to 1.6) p<0.0001  Subgroup analyses  NR |  |  |  |

Evidence Table 4. Outcomes by study (continued)

| Author, Year  Country  Trial Name  Funding Source | Drinking Outcomes | Referrals, Other Related Outcomes, Subgroups | Health and QOL Outcomes | Harms | Other |
| --- | --- | --- | --- | --- | --- |
| Richmond et al., 199531  Australia  None  Government | Change in drinks per week, mean (SD)  Overall @ 6 months:  G1: -7.0  G2: -4.0  G3: -4.9  p=NS  Overall @ 12 months:  G1: -7.0  G2: -2.1  G3: - 4.8  p=NS  Men @ 6 months:  G1: -12.5  G2: -5.5  G3: -8.8  p=NS  Men @ 12 months:  G1: -10.1  G2: -2.2  G3: - 9.7  p=NS  Women @ 6 months:  G1: -0.7  G2: -1.9  G3: -0.9  p=NS  Women @ 12 months:  G1: -0.5  G2: -1.9  G3: +0.1  p=NS | Receipt of and followup with referrals  NR  Other outcomes  drinking above recommended levels (change from baseline), %  @ 6 months:  G1: 74.0 (-9.3)  G2: 74.0 (-5.2)  G3: 71.0 (-2.1)  G4: 69.9 (NR)  p=NS  @ 12 months:  G1: 76.0 (-7.3)  G2: 77.1 (-2.1)  G3: 78.5 (+5.4)  G4: NR  p=NS  Change in MAST score:  @ 6 months:  G1: -1.3  G2+G3: +0.1  p<0.05 | Morbidity  NR  Mortality  NR  Health care utilization  NR  Quality of life  NR | Harms  NR |  |

Evidence Table 4. Outcomes by study (continued)

| Author, Year  Country  Trial Name  Funding Source | Drinking Outcomes | Referrals, Other Related Outcomes, Subgroups | Health and QOL Outcomes | Harms | Other |
| --- | --- | --- | --- | --- | --- |
| Richmond et al., 199531  (continued) | Change in drinks per drinking day, mean (SD)  NR  Not bingeing, %  NR  Achieving moderate/safe drinking, %  NR  Abstinent, %  NR | Attendance at followup intervention visits among those assigned to G1, %:  1st visit: 49  2nd visit: 29  3rd visit: 8  4th visit: 7  5th visit: 4  Subgroup analyses  NR |  |  |  |

Evidence Table 4. Outcomes by study (continued)

| Author, Year  Country  Trial Name  Funding Source | Drinking Outcomes | Referrals, Other Related Outcomes, Subgroups | Health and QOL Outcomes | Harms | Other |
| --- | --- | --- | --- | --- | --- |
| Rubio et al., 201032  Spain  None  Foundation or nonprofit | Change in drinks per week, mean (SD)  Overall  G1: -8.22  G2: -4.66  p<0.001  Men  G1: - 7.05  G2: -4.47  p<0.05  Women  G1: -10.29  G2: -5.1  p<0.001  Change in drinks per drinking day, mean (SD)  NR  Not bingeing, %  Overall  G1: 47.71  G2: 32.81  p<0.001  Men  G1: 42.39  G2: 33.47  p<0.05  Women  G1: 57.82  G2: 31.58  p<0.001 | Receipt of and followup with referrals  NR  Other outcomes  # of binge drinking episodes in last 30 days @ 12 months  Overall  G1: 1.14  G2: 1.56  p<0.001  Men  G1: 1.36  G2: 1.72  p<0.05  Women  G1: 0.72  G2: 1.26  p<0.001  Subgroup analyses  All results are for binge drinkers (with or without other measure of excessive consumption) | Morbidity  NR  Mortality  NR  Health care utilization  NR  Quality of life  NR | Harms  NR |  |

Evidence Table 4. Outcomes by study (continued)

| Author, Year  Country  Trial Name  Funding Source | Drinking Outcomes | Referrals, Other Related Outcomes, Subgroups | Health and QOL Outcomes | Harms | Other |
| --- | --- | --- | --- | --- | --- |
| Rubio et al., 201032  (continued) | Achieving moderate/safe drinking, %  12 months  Overall  G1: 52.03  G2: 33.34  p<0.001  Men  G1: 48.15  G2: 31.46  p<0.01  Women  G1: 59.38  G2: 34.59  p<0.001  Abstinent, %  NR |  |  |  |  |

Evidence Table 4. Outcomes by study (continued)

| Author, Year  Country  Trial Name  Funding Source | Drinking Outcomes | Referrals, Other Related Outcomes, Subgroups | Health and QOL Outcomes | Harms | Other |
| --- | --- | --- | --- | --- | --- |
| Saitz et al., 200333  United States  Screening and Intervention in Primary Care  Multiple | Change in drinks per week, mean (SD)  NR  Change in drinks per drinking day, mean (SD)  NR  Not bingeing, %  Results are stratified by type of provider seen  Faculty MDs  G1: 49  G2: 58  Resident MDs  G1: 56  G2: 36  Achieving moderate/safe drinking, %  Results are stratified by type of provider seen  Faculty MDs  G1: 50  G2: 50  Resident MDs  G1: 47  G2: 31  Abstinent, %  Results are stratified by type of provider seen  Faculty MDs  G1: 22  G2: 26 | Other outcomes  Results are stratified by type of provider seen  Mean (95% CI) drinking days in past 30 days  Faculty MDs  G1: 8.8 (7.5 to 10.1)  G2: 10.0 (7.8 to 12.2)  Resident MDs  G1: 9.9 (7.7 to 12.1)  G2: 9.0 (4.7 to 13.3)  Mean # (95% CI) binge drinking days in past 30 days  Faculty MDs  G1: 4.7 (3.8 to 5.7)  G2: 4.2 (2.8 to 5.6)  Resident MDs  G1: 3.9 (2.4 to 5.5)  G2: 5.2 (1.6 to 8.8)  Mean (95% CI) drinks per drinking day  Faculty MDs  G1: 6.0 (4.3 to 7.7)  G2: 6.5 (4.4 to 8.6) | Morbidity  NR  Mortality  NR  Health care utilization  NR  Quality of life  NR | Harms  NR | Baseline data given for intervention and control groups, but results presented by provider type in each group, not overall by group. Cannot calculate changes for all outcomes. |

Evidence Table 4. Outcomes by study (continued)

| Author, Year  Country  Trial Name  Funding Source | Drinking Outcomes | Referrals, Other Related Outcomes, Subgroups | Health and QOL Outcomes | Harms | Other |
| --- | --- | --- | --- | --- | --- |
| Saitz et al., 200333  (continued) | Resident MDs  G1: 18  G2: 5 | Resident MDs  G1: 3.8 (1.9 to 5.7)  G2: 11.6 (5.4 to 17.7)  Patient received safe drinking limit advice, %  Faculty MDs  G1: 26  G2: 8  var NR  Resident MDs  G1: 19  G1: 6  var NR  Patient had a discussion about drinking, %  Faculty MDs  G1: 74  G2: 51  var NR  Resident MDs  G1: 51  G1: 70  var NR  Patient received advice about drinking, %  Faculty MDs  G1: 64  G2: 42 |  |  |  |

Evidence Table 4. Outcomes by study (continued)

| Author, Year  Country  Trial Name  Funding Source | Drinking Outcomes | Referrals, Other Related Outcomes, Subgroups | Health and QOL Outcomes | Harms | Other |
| --- | --- | --- | --- | --- | --- |
| Saitz et al., 200333  (continued) |  | Resident MDs  G1: 38  G1: 59  Patient received counseling about drinking, %  Faculty MDs  G1: 56  G2: 41  Resident MDs  G1: 29  G1: 46  Patient received advice to cut down, %  Faculty MDs  G1: 46  G2: 34  Resident MDs  G1: 25  G1: 35  Patient received advice to quit, %  Faculty MDs  G1: 14  G2: 11  Resident MDs  G1: 13  G1: 12  Subgroup analyses  NR |  |  |  |

Evidence Table 4. Outcomes by study (continued)

| Author, Year  Country  Trial Name  Funding Source | Drinking Outcomes | Referrals, Other Related Outcomes, Subgroups | Health and QOL Outcomes | Harms | Other |
| --- | --- | --- | --- | --- | --- |
| Schaus et al., 200934  United States  None  Government | Change in drinks per week, mean (SD)  @ 6 months  G1: -2.22  G2: -0.69  p=0.007  @ 9 months  G1: -2.26  G2: -2.12  p=0.134  @12 months  G1: -1.93  G2: -2.33  p=0.700  Overall treatment difference trend p=0.032  Change in drinks per drinking day, mean (SD)  Change in avg drinks per sitting:  @ 6 months  G1: -0.872  G2: -0.341  p=0.027  @ 9 months  G1: -0.708  G2: -0.891  p=0.928  @ 12 months  G1: -0.721  G2: -0.857  p=0.757  Overall treatment difference trend p=0.064 | Receipt of and followup with referrals  NR  Other outcomes  Change in typical BAC  @ 6 months  G1: -0.019  G2: -0.007  p=0.002  @ 9 months  G1: -0.017  G2: -0.018  p=0.603  @ 12 months  G1: -0.016  G2: -0.020  p=0.937  Overall treatment difference trend p=0.018  Change in peak BAC  @ 6 months  G1: -0.036  G2: -0.013  p<0.001  @ 9 months  G1: -0.034  G2: -0.036  p=0.309 | Morbidity  NR  Mortality  NR  Health care utilization  NR  Quality of life  Change in RAPI Sum score  @ 6 months  G1: -9.14  G2: -9.55  p=0.028  @ 9 months  G1: -9.52  G2: -9.93  p=0.041  @ 12months  G1: -8.30  G2: -8.74  p=0.556  Overall treatment difference trend p=0.030  Change in # times drove after >=3 drinks  @ 6 months  G1: -3.80  G2: -6.61  p=0.549 | Harms  NR |  |

Evidence Table 4. Outcomes by study (continued)

| Author, Year  Country  Trial Name  Funding Source | Drinking Outcomes | Referrals, Other Related Outcomes, Subgroups | Health and QOL Outcomes | Harms | Other |
| --- | --- | --- | --- | --- | --- |
| Schaus et al., 200934  (continued) | Not bingeing, %  Change in # heavy episodic drinking days per month  @6 months  G1: -1.12  G2: -0.09  p=0.031  @ 9 months  G1: -1.10  G2: -0.63  p=0.534  @ 12 months  G1: -0.700  G2: -1.05  p=0.942  Overall treatment difference trend p=0.102  Achieving moderate/safe drinking, %  NR  Abstinent, %  NR | @ 12 months  G1: -0.031  G2: -0.040  p=0.646  Overall treatment difference trend p=0.006  Change in peak # drinks in a sitting  @ 6 months  G1: -1.63  G2: -0.70  p=0.005  @ 9 months  G1: -1.44  G2: -1.76  p=0.626  @ 12 months  G1: -1.44  G2: -1.76  p=0.700  Overall treatment difference trend p=0.046  Change in # times drunk in a typical week  @ 6 months  G1: -0.427  G2: -0.01  p=0.003 | @ 9 months  G1: -3.66  G2: -6.44  p= 0.998  @ 12 months  G1: -2.45  G2: -4.24  p= 0.542  Overall treatment difference p=0.136  Change in # times taken foolish risks  @ 6 months  G1: -3.89  G2: -4.86  p=0.685  @ 9 months  G1: -4.04  G2: -4.35  p=0.485  @ 12 months  G1: -2.29  G2: -1.78  p=0.261  Overall treatment difference trend p=0.036 |  |  |

Evidence Table 4. Outcomes by study (continued)

| Author, Year  Country  Trial Name  Funding Source | Drinking Outcomes | Referrals, Other Related Outcomes, Subgroups | Health and QOL Outcomes | Harms | Other |
| --- | --- | --- | --- | --- | --- |
| Schaus et al., 200934  (continued) |  | @ 9 months  G1: -0.204  G2: +0.22  p=0.078  @ 12 months  G1: +0.17  G2: +0.59  p=0.727  Overall treatment difference trend p<0.001  Subgroup analyses  All results are for college students |  |  |  |

Evidence Table 4. Outcomes by study (continued)

| Author, Year  Country  Trial Name  Funding Source | Drinking Outcomes | Referrals, Other Related Outcomes, Subgroups | Health and QOL Outcomes | Harms | Other |
| --- | --- | --- | --- | --- | --- |
| Scott & Anderson, 199035  United Kingdom  None  Foundation or nonprofit | Change in drinks per week, mean (SD)  G1: -11.6  G2: -10.0  p=NS  Change in drinks per drinking day, mean (SD)  NR  Not bingeing, %  G1: 88  G2: 85  p=NS  Achieving moderate/safe drinking, %  G1: 27  G2: 26  p=NS  Abstinent, %  NR | Receipt of and followup with referrals  NR  Other outcomes  With abnormal dependence score (change from baseline), %  G1: 39 (-34)  G2: 33 (-8)  Subgroup analyses  All results are for women. | Morbidity  % (change from baseline) with abnormal accident score  G1: 0 (-3)  G2: 3 (-2)  p=NS  Mortality  NR  Health care utilization  Mean (SE) consultations/year  G1: 3.9 (0.7)  G2: 5.9 (1.0)  p=NS  Change in mean consultations/year  G1: -0.9  G2: +0.4  Mean (SE) episodes/year  G1: 2.4 (0.5)  G2: 4.2 (0.9)  Change in mean episodes/year  G1: -0.9  G2: -0.1  Quality of life  Change in mean life quality score:  G1: -0.3  G2: -0.3  p=NS | Harms  Change in mean anxiety score (though anxiety was not designated as a harm measure a priori)  G1: -2.3  G2: -4.8  No significant changes in reported frequencies of taking exercise, dieting to lose weight, or cigarette consumption over the duration of the trial or between treatment and control groups. | \* Change in mean Short GHQ score:  G1: +0.9  G2: -1.5  Change in mean affect balance score:  G1: +0.6  G2: +0.3  With abnormal health score (change from baseline), %  G1: 47 (-12)  G2: 47 (-7)  p=NS |

Evidence Table 4. Outcomes by study (continued)

| Author, Year  Country  Trial Name  Funding Source | Drinking Outcomes | Referrals, Other Related Outcomes, Subgroups | Health and QOL Outcomes | Harms | Other |
| --- | --- | --- | --- | --- | --- |
| Scott & Anderson, 199035  (continued) |  |  | Change in mean life satisfaction score:  G1: -14.9  G2: -12.7  p=NS  With abnormal social score (change from baseline), %:  G1: 15 (-6)  G2: 8 (-10)  Change in mean GGT  G1: +0.1  G2: -4.2  Change in mean MCV  G1: -1.1  G2: -0.4  Change in mean BAC  G1: -1.1  G2: -1.4 |  |  |

Evidence Table 4. Outcomes by study (continued)

| Author, Year  Country  Trial Name  Funding Source | Drinking Outcomes | Referrals, Other Related Outcomes, Subgroups | Health and QOL Outcomes | Harms | Other |
| --- | --- | --- | --- | --- | --- |
| Senft et al., 199736  Freeborn et al., 200037  United States  None  Government | Change in drinks per week, mean (SD)  NR  Change in drinks per drinking day, mean (SD)  @ 6 months:  G1: -1.7  G2: -1.2  p=0.13  @12 months:  G1: -1.4  G2: -1.4  p=0.20  Not bingeing, %  NR  Achieving moderate/safe drinking, %  @ 6 months:  G1: 79  G2: 71  p=0.06  @12 months:  G1: 80  G2: 73  p=0.07  Abstinent, %  At both 6 and 12 months:  range=8%-11% across groups; difference NS | Receipt of and followup with referrals  NR  Other outcomes  Change in drinking days/week, past 6 months  overall @ 6 months  G1: -0.5  G2: -0.2  p = 0.02  No difference between those who received the full intervention and those who received less.  overall @ 12 months  G1: -0.6  G2: -0.4  p = 0.04  Those who received full intervention reported significantly (p<0.05) fewer drinking days per week. | Morbidity  NR  Mortality  NR  Health care utilization  # outpatient visits (mean):  Full sample  @ 12 months:  G1: 10.7  G2: 10.3  p=0.38  @ 24 months:  G1: 17.7  G2: 18.3  p=0.47  Men  G1: 17.7  G2: 16.3  p=0.21  Women  G1: 17.6  G2: 22.5  p=0.10  Hospitalized, %:  Full sample:  @ 12 months  G1: 15  G2: 14  p=0.70 | Harms  NR |  |

Evidence Table 4. Outcomes by study (continued)

| Author, Year  Country  Trial Name  Funding Source | Drinking Outcomes | Referrals, Other Related Outcomes, Subgroups | Health and QOL Outcomes | Harms | Other |
| --- | --- | --- | --- | --- | --- |
| Senft et al., 199736  (continued) |  | Mean # drinking days/week:  Women:  @ 6 months  G1: 2.1  G2: 2.8  @ 12 months  G1: 2.0  G2: 2.7  Men:  @ 6 months  G1: 3.1  G2: 3.6  p=0.04  @ 12 months  G1: 2.9  G2: 3.2  p=0.12  Mean # drinks, past 3 months:  Overall @ 6 months  G1: 176  G2: 216  p=0.04  Overall @ 12 months  G1: 157  G2: 179  p=0.13 | @ 24 months  G1: 21.2  G2: 22.0  p=0.81  Men  G1: 24.1  G2: 20.6  p=0.43  Women  G1: 13.7  G2: 25.3  p=0.07  If ≥ 1 hospitalization, mean # days  Full sample  G1: 4.7  G2: 6.6  p=0.37  Men  G1: 4.5  G2: 9.1  p=0.32  Women  G1: 5.5  G2: 2.0  p=0.09  Quality of life  NR |  |  |

Evidence Table 4. Outcomes by study (continued)

| Author, Year  Country  Trial Name  Funding Source | Drinking Outcomes | Referrals, Other Related Outcomes, Subgroups | Health and QOL Outcomes | Harms | Other |
| --- | --- | --- | --- | --- | --- |
| Senft et al., 199736  (continued) |  | Women only  @ 6 months  G1: 124  G2: 140  p=0.29  @ 12 months  G1: 107  G2: 111  p=0.43  Men only  @ 6 months  G1: 195  G2: 251  p=0.03  @ 12 months  G1: 176  G2: 210  p=0.08  Receipt of intervention components (of those in the intervention arm):   * 88% received clinician message; * 79% attended counseling session; * 70% received message and attended counseling; |  |  |  |

Evidence Table 4. Outcomes by study (continued)

| Author, Year  Country  Trial Name  Funding Source | Drinking Outcomes | Referrals, Other Related Outcomes, Subgroups | Health and QOL Outcomes | Harms | Other |
| --- | --- | --- | --- | --- | --- |
| Senft et al., 199736  (continued) |  | * 2% received no intervention elements   Subgroup analyses  NR |  |  |  |

Evidence Table 4. Outcomes by study (continued)

| Author, Year  Country  Trial Name  Funding Source | Drinking Outcomes | Referrals, Other Related Outcomes, Subgroups | Health and QOL Outcomes | Harms | Other |
| --- | --- | --- | --- | --- | --- |
| Wallace et al., 199838  United Kingdom  None  Multiple | Change in drinks per week, mean (SD)  Change (SE)  Men  @ 6 months:  G1: -15.5 (1.5)  G2: -8.2 (1.5)  p<0.001  @ 12 months:  G1: -18.2 (1.5)  G2: - 8.1 (1.6)  p<0.001  Women  @ 6 months:  G1: -10.3 (1.3)  G2: -8.0 (1.6)  p=NS  @ 12 months:  G1: -11.5 (1.6)  G2: -6.3 (2.0)  p<0.05  Change in drinks per drinking day, mean (SD)  NR  Not bingeing, %  NR  Achieving moderate/safe drinking, %  In previous 7 days  Men @ 6 months:  G1: 40.9  G2: 23.6  p<0.001 | Receipt of and followup with referrals  NR  Other outcomes  Proportions with excessive alcohol consumption by number of GP sessions attended (change in GGT)  Men  0: 79.2 (+0.4)  1: 65.1 (-2.4)  2: 51.2 (+0.05)  3: 41.5 (-5.2)  4: 40.7 (-6.6)  Women  0: 66.7 (+0.1)  1: 72.2 (-0.1)  2: 54.5 (-0.2)  3: 40.0 (+0.8)  4: 31.3 (+0.8)  Within individual change in GGT at 12 months  Men  G1: -2.4  G2: +1.1  p<0.01 | Morbidity  NR  Mortality  Causes not specified:  G1: 2  G2: 0  Health care utilization  NR  Quality of life  NR | Harms  Cigarette consumption dropped slightly among men and women in both groups but did not differ between groups. No evidence that smoking increased as alcohol consumption fell.  No significant change in reported frequency of exercise or dieting to lose weight |  |

Evidence Table 4. Outcomes by study (continued)

| Author, Year  Country  Trial Name  Funding Source | Drinking Outcomes | Referrals, Other Related Outcomes, Subgroups | Health and QOL Outcomes | Harms | Other |
| --- | --- | --- | --- | --- | --- |
| Wallace et al., 199838  (continued) | Men @ 12 months:  G1: 43.7  G2: 25.5  p<0.001  Women @ 6 months:  G1: 46.9  G2: 26.3  p<0.001  Women @ 12 months:  G1: 47.7  G2: 29.2  p<0.05  Abstinent, %  NR | Women  G1: +0.3  G2: +0.5  NR/NS  Change in systolic BP:  Men  G1: - 6.8mm HG  G2: -4.7mmHg  p<0.05  Among those in the treatment group, the proportion who attended 1,2,3,4 sessions  Men, %  1: 83.3  2: 57.2  3: 31.4  4: 18.6  Women, %  1: 92.3  2: 65.4  3: 40.0  4: 24.6  Subgroup analyses  Proportion of pts with excessive EtOH consumption at 12 months higher among those who were heavier smokers at start (Men chi square = 9.7 p<0.01; Women 3.7 p=0.06) |  |  |  |

Abbreviations: AUDIT = Alcohol Use Disorders Identification Test; BAC = blood alcohol content; CARET = Comorbidity Alcohol Risk Evaluation Tool; CI = confidence interval; ED = emergency department; EPDS = Edinburgh Postnatal Depression Score; EtOH = ethanol; G = group; g = grams; GGT = gamma glutamyl transferase; GHQ = General Health Questionnaire; GP = general practitioner; LOCF = last observation carried forward; MAST = Michigan Alcoholism Screening Test; MCV = mean corpuscular volume; MD = medical doctor; NA = not applicable; NR = not reported; NS = not significant; OR = odds ratio; OTC = over the counter; PCP = primary care provider; QF = quantity/frequency; QOL = quality of life; RAPI = Rutgers Alcohol Problem Index; Rx = prescription; SD = standard deviation; SE = standard error; SF = 12-Item Short-Form Survey; TrEAT = Trial for Early Alcohol Treatment; UC = usual care; WHO = World Health Organization