# Appendix 23a: 2009 Early intervention clinical evidence forest plots[1]

Table 1: Studies included in the early intervention services (EIS) review.....2

Early intervention services versus standard care .....3

[1] Each study included in this appendix is referred to by a study ID, with studies included in the previous guideline in lower case and new studies in upper case (primary author and date or study number for unpublished trials).

**Table 1: Studies included in the early intervention services (EIS) review**

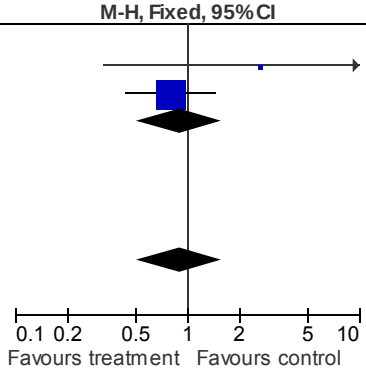
| Treatment | versus Comparator |
|---|---|
| | **Standard care** |
| **EIS** | CRAIG2004-LEO [78 weeks, N=144]<br>GRAWE2006-OTP [104 weeks, N=50]<br>KUIPERS2004-COAST [52 weeks, N=59]<br>PETERSEN2005-OPUS [104 weeks, N=547] |

# Access and engagement: Early intervention services

**1 Early intervention services versus standard care**

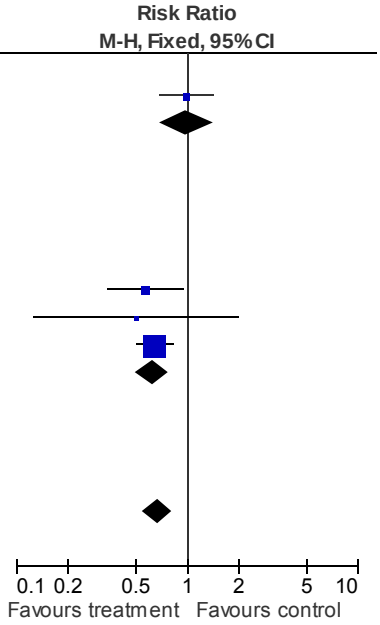
**1.1 Suicide attempt**

| Study or Subgroup | Treatment Events | Treatment Total | Control Events | Control Total | Weight | Risk Ratio M-H, Fixed, 95% CI |
|---|---|---|---|---|---|---|
| **1.1.1 Long-term** | | | | | | |
| GRAWE2006-OTP | 4 | 30 | 1 | 20 | 5.4% | 2.67 [0.32, 22.15] |
| PETERSEN05-OPUS | 19 | 243 | 19 | 193 | 94.6% | 0.79 [0.43, 1.46] |
| **Subtotal (95% CI)** | | **273** | | **213** | **100.0%** | **0.89 [0.50, 1.59]** |
| Total events | 23 | | 20 | | | |
| Heterogeneity: Chi² = 1.17, df = 1 (P = 0.28); I² = 15% | | | | | | |
| Test for overall effect: Z = 0.38 (P = 0.70) | | | | | | |
| **Total (95% CI)** | | **273** | | **213** | **100.0%** | **0.89 [0.50, 1.59]** |
| Total events | 23 | | 20 | | | |
| Heterogeneity: Chi² = 1.17, df = 1 (P = 0.28); I² = 15% | | | | | | |
| Test for overall effect: Z = 0.38 (P = 0.70) | | | | | | |



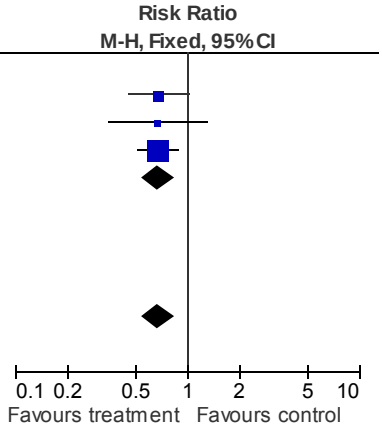

**1.2 Leaving the study early: 1. Any reason**

| Study or Subgroup | Treatment Events | Treatment Total | Control Events | Control Total | Weight | Risk Ratio M-H, Fixed, 95% CI |
|---|---|---|---|---|---|---|
| **1.2.1 Medium-term** | | | | | | |
| KUIPERS2004-COAST | 21 | 32 | 18 | 27 | 12.1% | 0.98 [0.68, 1.42] |
| **Subtotal (95% CI)** | | **32** | | **27** | **12.1%** | **0.98 [0.68, 1.42]** |
| Total events | 21 | | 18 | | | |
| Heterogeneity: Not applicable | | | | | | |
| Test for overall effect: Z = 0.08 (P = 0.93) | | | | | | |
| **1.2.2 Long-term** | | | | | | |
| CRAIG2004-LEO | 16 | 71 | 29 | 73 | 17.7% | 0.57 [0.34, 0.95] |
| GRAWE2006-OTP | 3 | 30 | 4 | 20 | 3.0% | 0.50 [0.13, 2.00] |
| PETERSEN05-OPUS | 70 | 275 | 108 | 272 | 67.2% | 0.64 [0.50, 0.82] |
| **Subtotal (95% CI)** | | **376** | | **365** | **87.9%** | **0.62 [0.50, 0.78]** |
| Total events | 89 | | 141 | | | |
| Heterogeneity: Chi² = 0.27, df = 2 (P = 0.87); I² = 0% | | | | | | |
| Test for overall effect: Z = 4.20 (P < 0.0001) | | | | | | |
| **Total (95% CI)** | | **408** | | **392** | **100.0%** | **0.67 [0.55, 0.81]** |
| Total events | 110 | | 159 | | | |
| Heterogeneity: Chi² = 5.01, df = 3 (P = 0.17); I² = 40% | | | | | | |
| Test for overall effect: Z = 4.07 (P < 0.0001) | | | | | | |



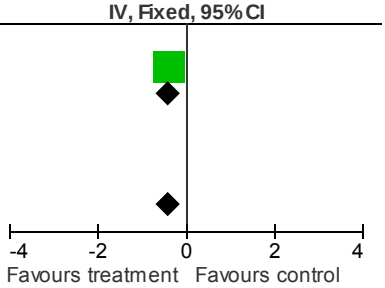
**1.3 Service outcomes: 1. Hospital readmission**

| Study or Subgroup | Treatment Events | Treatment Total | Control Events | Control Total | Weight | Risk Ratio M-H, Fixed, 95% CI |
|---|---|---|---|---|---|---|
| **1.3.1 Long-term (regardless of whether initially recovered)** | | | | | | |
| CRAIG2004-LEO | 23 | 69 | 33 | 67 | 25.9% | 0.68 [0.45, 1.02] |
| GRAWE2006-OTP | 10 | 30 | 10 | 20 | 9.3% | 0.67 [0.34, 1.30] |
| PETERSEN05-OPUS | 63 | 243 | 75 | 193 | 64.8% | 0.67 [0.51, 0.88] |
| **Subtotal (95% CI)** | | **342** | | **280** | **100.0%** | **0.67 [0.54, 0.83]** |
| Total events | 96 | | 118 | | | |
| Heterogeneity: Chi² = 0.00, df = 2 (P = 1.00); I² = 0% | | | | | | |
| Test for overall effect: Z = 3.61 (P = 0.0003) | | | | | | |
| **Total (95% CI)** | | **342** | | **280** | **100.0%** | **0.67 [0.54, 0.83]** |
| Total events | 96 | | 118 | | | |
| Heterogeneity: Chi² = 0.00, df = 2 (P = 1.00); I² = 0% | | | | | | |
| Test for overall effect: Z = 3.61 (P = 0.0003) | | | | | | |



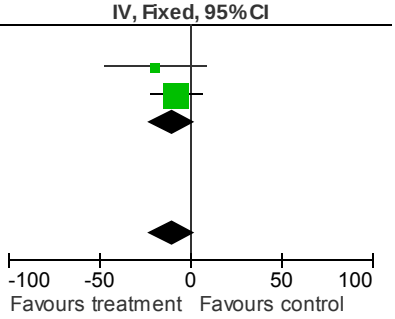

**1.4 Service outcomes: 2. Mean number of readmissions**

| Study or Subgroup | Treatment Mean | Treatment SD | Treatment Total | Control Mean | Control SD | Control Total | Weight | Mean Difference IV, Fixed, 95% CI |
|---|---|---|---|---|---|---|---|---|
| **1.4.1 Long-term** | | | | | | | | |
| CRAIG2004-LEO | 0.4 | 0.7 | 71 | 0.8 | 1 | 73 | 100.0% | -0.40 [-0.68, -0.12] |
| **Subtotal (95% CI)** | | | **71** | | | **73** | **100.0%** | **-0.40 [-0.68, -0.12]** |
| Heterogeneity: Not applicable | | | | | | | | |
| Test for overall effect: Z = 2.79 (P = 0.005) | | | | | | | | |
| **Total (95% CI)** | | | **71** | | | **73** | **100.0%** | **-0.40 [-0.68, -0.12]** |
| Heterogeneity: Not applicable | | | | | | | | |
| Test for overall effect: Z = 2.79 (P = 0.005) | | | | | | | | |
| Test for subgroup differences: Not applicable | | | | | | | | |



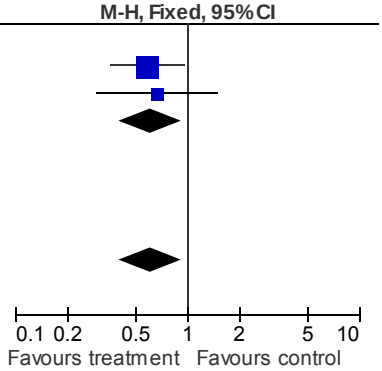

**1.5 Service outcomes: 3. Mean number of bed days in follow up**

| Study or Subgroup | Treatment Mean | Treatment SD | Treatment Total | Control Mean | Control SD | Control Total | Weight | Mean Difference IV, Fixed, 95% CI |
|---|---|---|---|---|---|---|---|---|
| **1.5.1 Long-term** | | | | | | | | |
| CRAIG2004-LEO | 35.5 | 78.9 | 71 | 54.9 | 93.6 | 73 | 20.9% | -19.40 [-47.65, 8.85] |
| PETERSEN05-OPUS | 26.8 | 73.2 | 243 | 34.8 | 79.6 | 193 | 79.1% | -8.00 [-22.52, 6.52] |
| **Subtotal (95% CI)** | | | **314** | | | **266** | **100.0%** | **-10.38 [-23.30, 2.53]** |
| Heterogeneity: Chi² = 0.49, df = 1 (P = 0.48); I² = 0% | | | | | | | | |
| Test for overall effect: Z = 1.58 (P = 0.12) | | | | | | | | |
| **Total (95% CI)** | | | **314** | | | **266** | **100.0%** | **-10.38 [-23.30, 2.53]** |
| Heterogeneity: Chi² = 0.49, df = 1 (P = 0.48); I² = 0% | | | | | | | | |
| Test for overall effect: Z = 1.58 (P = 0.12) | | | | | | | | |
| Test for subgroup differences: Not applicable | | | | | | | | |



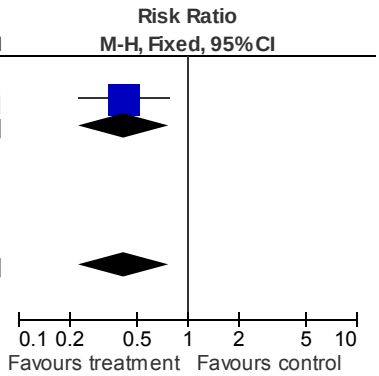
**1.6 Service outcomes: 4. Not in contact with index team**

| Study or Subgroup | Treatment Events | Treatment Total | Control Events | Control Total | Weight | Risk Ratio M-H, Fixed, 95% CI |
|---|---|---|---|---|---|---|
| **1.6.1 Long-term** | | | | | | |
| CRAIG2004-LEO | 17 | 71 | 30 | 73 | 68.9% | 0.58 [0.35, 0.96] |
| PETERSEN05-OPUS | 10 | 243 | 12 | 193 | 31.1% | 0.66 [0.29, 1.50] |
| **Subtotal (95% CI)** | | **314** | | **266** | **100.0%** | **0.61 [0.40, 0.93]** |
| Total events | 27 | | 42 | | | |
| Heterogeneity: Chi² = 0.07, df = 1 (P = 0.79); I² = 0% | | | | | | |
| Test for overall effect: Z = 2.28 (P = 0.02) | | | | | | |
| **Total (95% CI)** | | **314** | | **266** | **100.0%** | **0.61 [0.40, 0.93]** |
| Total events | 27 | | 42 | | | |
| Heterogeneity: Chi² = 0.07, df = 1 (P = 0.79); I² = 0% | | | | | | |
| Test for overall effect: Z = 2.28 (P = 0.02) | | | | | | |



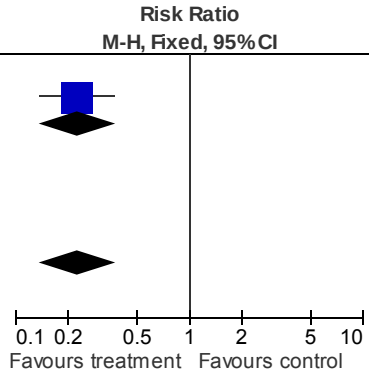

**1.7 Service outcomes: 5. Not in contact with any mental health service**

| Study or Subgroup | Treatment Events | Treatment Total | Control Events | Control Total | Weight | Risk Ratio M-H, Fixed, 95% CI |
|---|---|---|---|---|---|---|
| **1.7.1 Long-term** | | | | | | |
| CRAIG2004-LEO | 11 | 71 | 27 | 73 | 100.0% | 0.42 [0.23, 0.78] |
| **Subtotal (95% CI)** | | **71** | | **73** | **100.0%** | **0.42 [0.23, 0.78]** |
| Total events | 11 | | 27 | | | |
| Heterogeneity: Not applicable | | | | | | |
| Test for overall effect: Z = 2.75 (P = 0.006) | | | | | | |
| **Total (95% CI)** | | **71** | | **73** | **100.0%** | **0.42 [0.23, 0.78]** |
| Total events | 11 | | 27 | | | |
| Heterogeneity: Not applicable | | | | | | |
| Test for overall effect: Z = 2.75 (P = 0.006) | | | | | | |



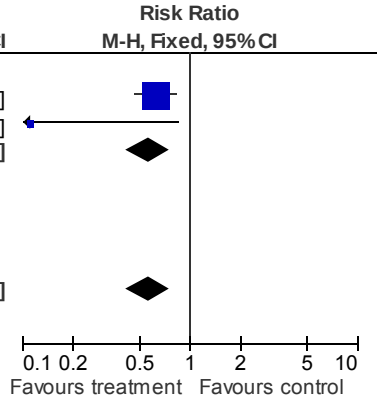

**1.8 Service outcomes: 5. No outpatient visits**

| Study or Subgroup | Treatment Events | Treatment Total | Control Events | Control Total | Weight | Risk Ratio M-H, Fixed, 95% CI |
|---|---|---|---|---|---|---|
| **1.8.1 Long-term** | | | | | | |
| PETERSEN05-OPUS | 17 | 243 | 60 | 193 | 100.0% | 0.23 [0.14, 0.37] |
| **Subtotal (95% CI)** | | **243** | | **193** | **100.0%** | **0.23 [0.14, 0.37]** |
| Total events | 17 | | 60 | | | |
| Heterogeneity: Not applicable | | | | | | |
| Test for overall effect: Z = 5.80 (P < 0.00001) | | | | | | |
| **Total (95% CI)** | | **243** | | **193** | **100.0%** | **0.23 [0.14, 0.37]** |
| Total events | 17 | | 60 | | | |
| Heterogeneity: Not applicable | | | | | | |
| Test for overall effect: Z = 5.80 (P < 0.00001) | | | | | | |



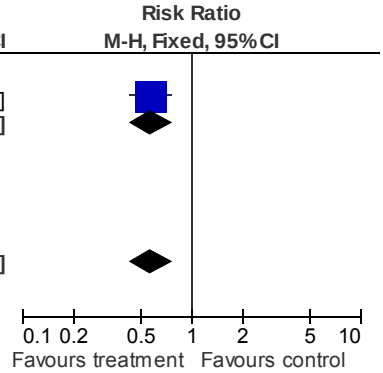
**1.9 Service outcomes: 6. Not receiving any psychological intervention**

| Study or Subgroup | Treatment Events | Treatment Total | Control Events | Control Total | Weight | Risk Ratio M-H, Fixed, 95% CI |
|---|---|---|---|---|---|---|
| **1.9.1 Long-term** | | | | | | |
| CRAIG2004-LEO | 32 | 71 | 53 | 73 | 87.9% | 0.62 [0.46, 0.83] |
| GRAWE2006-OTP | 1 | 30 | 6 | 20 | 12.1% | 0.11 [0.01, 0.85] |
| **Subtotal (95% CI)** | | **101** | | **93** | **100.0%** | **0.56 [0.42, 0.75]** |
| Total events | 33 | | 59 | | | |
| Heterogeneity: Chi² = 2.90, df = 1 (P = 0.09); I² = 66% | | | | | | |
| Test for overall effect: Z = 3.89 (P < 0.0001) | | | | | | |
| **Total (95% CI)** | | **101** | | **93** | **100.0%** | **0.56 [0.42, 0.75]** |
| Total events | 33 | | 59 | | | |
| Heterogeneity: Chi² = 2.90, df = 1 (P = 0.09); I² = 66% | | | | | | |
| Test for overall effect: Z = 3.89 (P < 0.0001) | | | | | | |



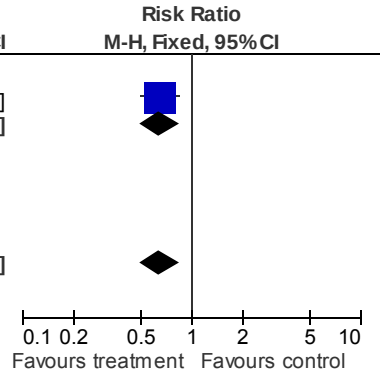

**1.10 Service outcomes: 7. Not receiving family interventions**

| Study or Subgroup | Treatment Events | Treatment Total | Control Events | Control Total | Weight | Risk Ratio M-H, Fixed, 95% CI |
|---|---|---|---|---|---|---|
| **1.10.1 Long-term** | | | | | | |
| CRAIG2004-LEO | 31 | 71 | 56 | 73 | 100.0% | 0.57 [0.42, 0.76] |
| **Subtotal (95% CI)** | | **71** | | **73** | **100.0%** | **0.57 [0.42, 0.76]** |
| Total events | 31 | | 56 | | | |
| Heterogeneity: Not applicable | | | | | | |
| Test for overall effect: Z = 3.77 (P = 0.0002) | | | | | | |
| **Total (95% CI)** | | **71** | | **73** | **100.0%** | **0.57 [0.42, 0.76]** |
| Total events | 31 | | 56 | | | |
| Heterogeneity: Not applicable | | | | | | |
| Test for overall effect: Z = 3.77 (P = 0.0002) | | | | | | |



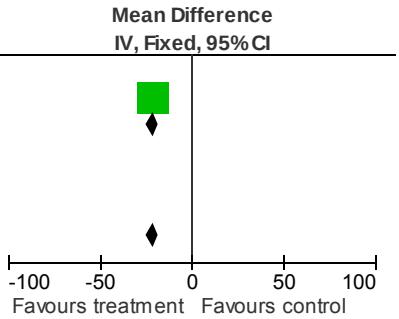

**1.11 Service outcomes: 8. Not receiving vocational interventions**

| Study or Subgroup | Treatment Events | Treatment Total | Control Events | Control Total | Weight | Risk Ratio M-H, Fixed, 95% CI |
|---|---|---|---|---|---|---|
| **1.11.1 Long-term** | | | | | | |
| CRAIG2004-LEO | 35 | 71 | 56 | 73 | 100.0% | 0.64 [0.49, 0.84] |
| **Subtotal (95% CI)** | | **71** | | **73** | **100.0%** | **0.64 [0.49, 0.84]** |
| Total events | 35 | | 56 | | | |
| Heterogeneity: Not applicable | | | | | | |
| Test for overall effect: Z = 3.24 (P = 0.001) | | | | | | |
| **Total (95% CI)** | | **71** | | **73** | **100.0%** | **0.64 [0.49, 0.84]** |
| Total events | 35 | | 56 | | | |
| Heterogeneity: Not applicable | | | | | | |
| Test for overall effect: Z = 3.24 (P = 0.001) | | | | | | |



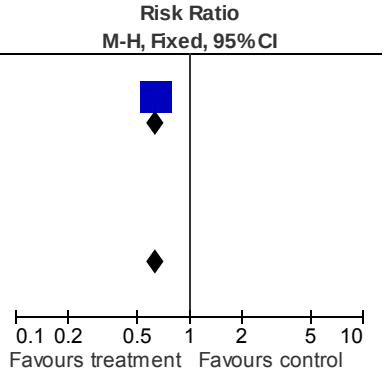
**1.12 Service outcomes: 9. Mean number of outpatient visits (sign reversed)**

| Study or Subgroup | Treatment Mean | Treatment SD | Treatment Total | Control Mean | Control SD | Control Total | Weight | Mean Difference IV, Fixed, 95% CI |
|---|---|---|---|---|---|---|---|---|
| **1.12.1 Long-term** | | | | | | | | |
| PETERSEN05-OPUS | -31.9 | 22.9 | 243 | -10.5 | 12.2 | 193 | 100.0% | -21.40 [-24.75, -18.05] |
| **Subtotal (95% CI)** | | | **243** | | | **193** | **100.0%** | **-21.40 [-24.75, -18.05]** |
| Heterogeneity: Not applicable | | | | | | | | |
| Test for overall effect: Z = 12.50 (P < 0.00001) | | | | | | | | |
| **Total (95% CI)** | | | **243** | | | **193** | **100.0%** | **-21.40 [-24.75, -18.05]** |
| Heterogeneity: Not applicable | | | | | | | | |
| Test for overall effect: Z = 12.50 (P < 0.00001) | | | | | | | | |
| Test for subgroup differences: Not applicable | | | | | | | | |



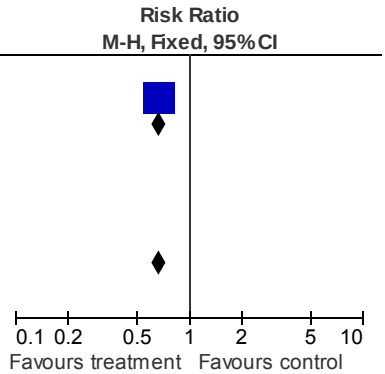

**1.13 Service outcomes: 10. Family not involved in treatment**

| Study or Subgroup | Treatment Events | Treatment Total | Control Events | Control Total | Weight | Risk Ratio M-H, Fixed, 95% CI |
|---|---|---|---|---|---|---|
| **1.13.1 Long-term** | | | | | | |
| PETERSEN05-OPUS | 141 | 243 | 176 | 193 | 100.0% | 0.64 [0.57, 0.71] |
| **Subtotal (95% CI)** | | **243** | | **193** | **100.0%** | **0.64 [0.57, 0.71]** |
| Total events | 141 | | 176 | | | |
| Heterogeneity: Not applicable | | | | | | |
| Test for overall effect: Z = 7.67 (P < 0.00001) | | | | | | |
| **Total (95% CI)** | | **243** | | **193** | **100.0%** | **0.64 [0.57, 0.71]** |
| Total events | 141 | | 176 | | | |
| Heterogeneity: Not applicable | | | | | | |
| Test for overall effect: Z = 7.67 (P < 0.00001) | | | | | | |




**1.14 Service outcomes: 11. Family not involved in psychoeducational group**

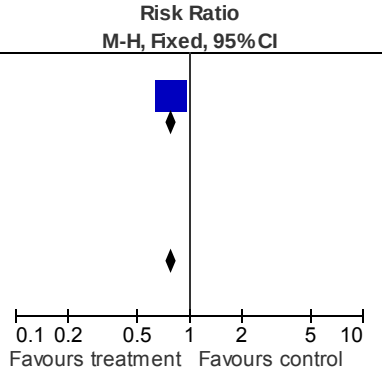
| Study or Subgroup | Treatment Events | Treatment Total | Control Events | Control Total | Weight | Risk Ratio M-H, Fixed, 95% CI |
|---|---|---|---|---|---|---|
| **1.14.1 Long-term** | | | | | | |
| PETERSEN05-OPUS | 160 | 243 | 192 | 193 | 100.0% | 0.66 [0.60, 0.73] |
| **Subtotal (95% CI)** | | **243** | | **193** | **100.0%** | **0.66 [0.60, 0.73]** |
| Total events | 160 | | 192 | | | |
| Heterogeneity: Not applicable | | | | | | |
| Test for overall effect: Z = 8.88 (P < 0.00001) | | | | | | |
| **Total (95% CI)** | | **243** | | **193** | **100.0%** | **0.66 [0.60, 0.73]** |
| Total events | 160 | | 192 | | | |
| Heterogeneity: Not applicable | | | | | | |
| Test for overall effect: Z = 8.88 (P < 0.00001) | | | | | | |



# Access and engagement: Early intervention services

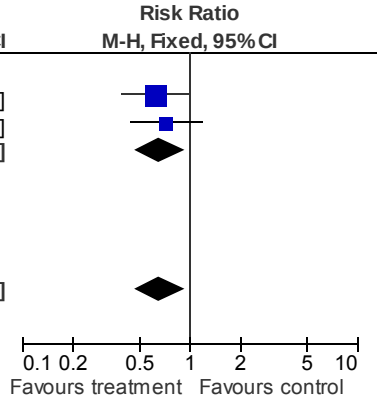
**1.15 Service outcomes: 12. No social skills training or training in daily activities**

| Study or Subgroup | Treatment Events | Treatment Total | Control Events | Control Total | Weight | Risk Ratio M-H, Fixed, 95% CI |
|---|---|---|---|---|---|---|
| **1.15.1 Long-term** | | | | | | |
| PETERSEN05-OPUS | 185 | 243 | 187 | 193 | 100.0% | 0.79 [0.73, 0.85] |
| **Subtotal (95% CI)** | | **243** | | **193** | **100.0%** | **0.79 [0.73, 0.85]** |
| Total events | 185 | | 187 | | | |
| Heterogeneity: Not applicable | | | | | | |
| Test for overall effect: Z = 6.32 (P < 0.00001) | | | | | | |
| **Total (95% CI)** | | **243** | | **193** | **100.0%** | **0.79 [0.73, 0.85]** |
| Total events | 185 | | 187 | | | |
| Heterogeneity: Not applicable | | | | | | |
| Test for overall effect: Z = 6.32 (P < 0.00001) | | | | | | |



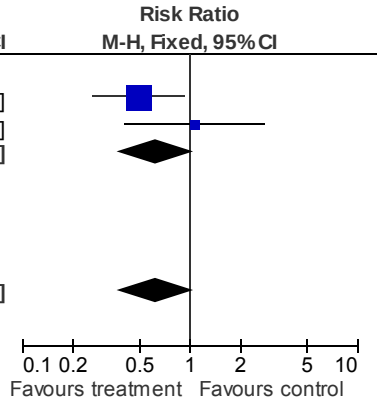

**1.16 Global state: 1. Relapse (full or partial)**

| Study or Subgroup | Treatment Events | Treatment Total | Control Events | Control Total | Weight | Risk Ratio M-H, Fixed, 95% CI |
|---|---|---|---|---|---|---|
| **1.16.1 Long-term** | | | | | | |
| CRAIG2004-LEO | 18 | 61 | 29 | 61 | 65.0% | 0.62 [0.39, 0.99] |
| GRAWE2006-OTP | 14 | 30 | 13 | 20 | 35.0% | 0.72 [0.44, 1.18] |
| **Subtotal (95% CI)** | | **91** | | **81** | **100.0%** | **0.65 [0.46, 0.93]** |
| Total events | 32 | | 42 | | | |
| Heterogeneity: Chi² = 0.18, df = 1 (P = 0.67); I² = 0% | | | | | | |
| Test for overall effect: Z = 2.38 (P = 0.02) | | | | | | |
| **Total (95% CI)** | | **91** | | **81** | **100.0%** | **0.65 [0.46, 0.93]** |
| Total events | 32 | | 42 | | | |
| Heterogeneity: Chi² = 0.18, df = 1 (P = 0.67); I² = 0% | | | | | | |
| Test for overall effect: Z = 2.38 (P = 0.02) | | | | | | |



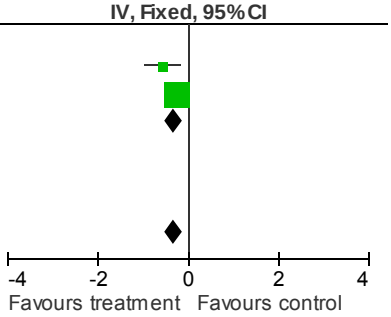

**1.17 Global state: 1. Not achieving full or partial recovery at 18 months**

| Study or Subgroup | Treatment Events | Treatment Total | Control Events | Control Total | Weight | Risk Ratio M-H, Fixed, 95% CI |
|---|---|---|---|---|---|---|
| **1.17.1 Long-term** | | | | | | |
| CRAIG2004-LEO | 11 | 66 | 22 | 65 | 78.7% | 0.49 [0.26, 0.93] |
| GRAWE2006-OTP | 8 | 30 | 5 | 20 | 21.3% | 1.07 [0.41, 2.80] |
| **Subtotal (95% CI)** | | **96** | | **85** | **100.0%** | **0.61 [0.36, 1.04]** |
| Total events | 19 | | 27 | | | |
| Heterogeneity: Chi² = 1.72, df = 1 (P = 0.19); I² = 42% | | | | | | |
| Test for overall effect: Z = 1.82 (P = 0.07) | | | | | | |
| **Total (95% CI)** | | **96** | | **85** | **100.0%** | **0.61 [0.36, 1.04]** |
| Total events | 19 | | 27 | | | |
| Heterogeneity: Chi² = 1.72, df = 1 (P = 0.19); I² = 42% | | | | | | |
| Test for overall effect: Z = 1.82 (P = 0.07) | | | | | | |



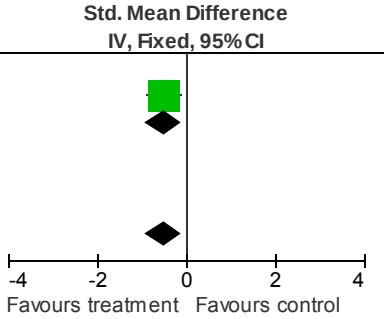
**1.18 Global state: 3. GAF (higher=better; sign reversed)**

| Study or Subgroup | Treatment Mean | Treatment SD | Treatment Total | Control Mean | Control SD | Control Total | Weight | Std. Mean Difference IV, Fixed, 95% CI |
|---|---|---|---|---|---|---|---|---|
| **1.18.1 Long-term** | | | | | | | | |
| CRAIG2004-LEO | -64.1 | 15.3 | 54 | -55.3 | 15.1 | 44 | 20.5% | -0.57 [-0.98, -0.17] |
| PETERSEN05-OPUS | -55.16 | 15.15 | 205 | -51.13 | 15.92 | 164 | 79.5% | -0.26 [-0.47, -0.05] |
| **Subtotal (95% CI)** | | | **259** | | | **208** | **100.0%** | **-0.32 [-0.51, -0.14]** |
| Heterogeneity: Chi² = 1.83, df = 1 (P = 0.18); I² = 45% | | | | | | | | |
| Test for overall effect: Z = 3.45 (P = 0.0006) | | | | | | | | |
| **Total (95% CI)** | | | **259** | | | **208** | **100.0%** | **-0.32 [-0.51, -0.14]** |
| Heterogeneity: Chi² = 1.83, df = 1 (P = 0.18); I² = 45% | | | | | | | | |
| Test for overall effect: Z = 3.45 (P = 0.0006) | | | | | | | | |
| Test for subgroup differences: Not applicable | | | | | | | | |



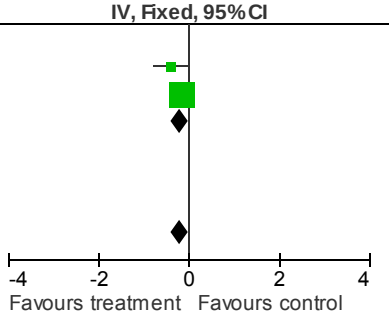

**1.19 Mental state: 1. Total symptoms**

| Study or Subgroup | Treatment Mean | Treatment SD | Treatment Total | Control Mean | Control SD | Control Total | Weight | Std. Mean Difference IV, Fixed, 95% CI |
|---|---|---|---|---|---|---|---|---|
| **1.19.1 Long-term (PANSS)** | | | | | | | | |
| CRAIG2004-LEO | 51.2 | 15.2 | 55 | 58.9 | 14.2 | 44 | 100.0% | -0.52 [-0.92, -0.11] |
| **Subtotal (95% CI)** | | | **55** | | | **44** | **100.0%** | **-0.52 [-0.92, -0.11]** |
| Heterogeneity: Not applicable | | | | | | | | |
| Test for overall effect: Z = 2.52 (P = 0.01) | | | | | | | | |
| **Total (95% CI)** | | | **55** | | | **44** | **100.0%** | **-0.52 [-0.92, -0.11]** |
| Heterogeneity: Not applicable | | | | | | | | |
| Test for overall effect: Z = 2.52 (P = 0.01) | | | | | | | | |
| Test for subgroup differences: Not applicable | | | | | | | | |



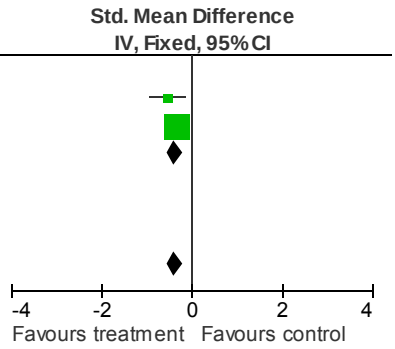

**1.20 Mental state: 2. Positive symptoms**

| Study or Subgroup | Treatment Mean | Treatment SD | Treatment Total | Control Mean | Control SD | Control Total | Weight | Std. Mean Difference IV, Fixed, 95% CI |
|---|---|---|---|---|---|---|---|---|
| **1.20.1 Long-term (PANSS or SANS)** | | | | | | | | |
| CRAIG2004-LEO | 11.8 | 5.1 | 55 | 14 | 5.9 | 44 | 20.9% | -0.40 [-0.80, 0.00] |
| PETERSEN05-OPUS | 1.06 | 1.26 | 205 | 1.27 | 1.4 | 164 | 79.1% | -0.16 [-0.36, 0.05] |
| **Subtotal (95% CI)** | | | **260** | | | **208** | **100.0%** | **-0.21 [-0.39, -0.03]** |
| Heterogeneity: Chi² = 1.10, df = 1 (P = 0.29); I² = 9% | | | | | | | | |
| Test for overall effect: Z = 2.23 (P = 0.03) | | | | | | | | |
| **Total (95% CI)** | | | **260** | | | **208** | **100.0%** | **-0.21 [-0.39, -0.03]** |
| Heterogeneity: Chi² = 1.10, df = 1 (P = 0.29); I² = 9% | | | | | | | | |
| Test for overall effect: Z = 2.23 (P = 0.03) | | | | | | | | |
| Test for subgroup differences: Not applicable | | | | | | | | |




**1.21 Mental state: 3. Negative symptoms**

| Study or Subgroup | Treatment Mean | Treatment SD | Treatment Total | Control Mean | Control SD | Control Total | Weight | Std. Mean Difference IV, Fixed, 95% CI |
|---|---|---|---|---|---|---|---|---|
| **1.21.1 Long-term (PANSS or SAPS)** | | | | | | | | |
| CRAIG2004-LEO | 11.9 | 5.1 | 55 | 14.8 | 5.4 | 44 | 20.8% | -0.55 [-0.95, -0.15] |
| PETERSEN05-OPUS | 1.41 | 1.15 | 205 | 1.82 | 1.23 | 164 | 79.2% | -0.34 [-0.55, -0.14] |
| **Subtotal (95% CI)** | | | **260** | | | **208** | **100.0%** | **-0.39 [-0.57, -0.20]** |
| Heterogeneity: Chi² = 0.78, df = 1 (P = 0.38); I² = 0% | | | | | | | | |
| Test for overall effect: Z = 4.12 (P < 0.0001) | | | | | | | | |
| **Total (95% CI)** | | | **260** | | | **208** | **100.0%** | **-0.39 [-0.57, -0.20]** |
| Heterogeneity: Chi² = 0.78, df = 1 (P = 0.38); I² = 0% | | | | | | | | |
| Test for overall effect: Z = 4.12 (P < 0.0001) | | | | | | | | |
| Test for subgroup differences: Not applicable | | | | | | | | |

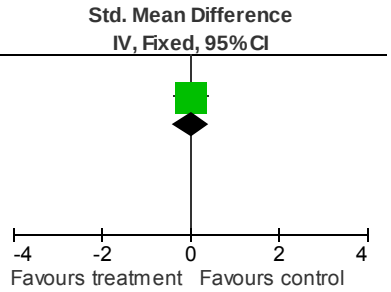


# Access and engagement: Early intervention services

**1.22 Mental state: 4. Depression (Calgary Depression Scale; lower = better)**

| Study or Subgroup | Treatment Mean | Treatment SD | Treatment Total | Control Mean | Control SD | Control Total | Weight | Std. Mean Difference IV, Fixed, 95% CI |
|---|---|---|---|---|---|---|---|---|
| **1.22.1 Long-term** | | | | | | | | |
| CRAIG2004-LEO | 2.7 | 3.3 | 55 | 2.7 | 3.5 | 44 | 100.0% | 0.00 [-0.40, 0.40] |
| **Subtotal (95% CI)** | | | **55** | | | **44** | **100.0%** | **0.00 [-0.40, 0.40]** |

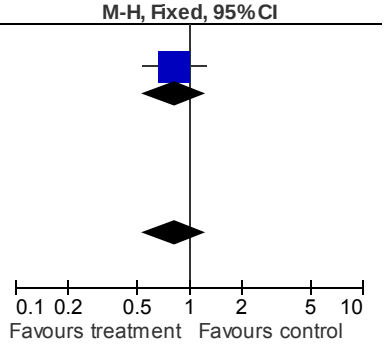
Heterogeneity: Not applicable
Test for overall effect: Z = 0.00 (P = 1.00)




Test for subgroup differences: Not applicable

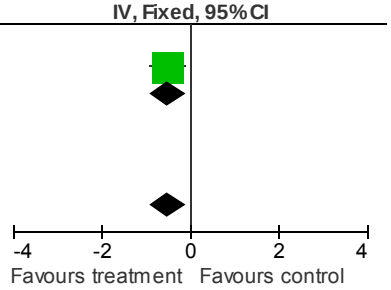
**1.23 Mental state: 4. Depression (number diagnosed)**

| Study or Subgroup | Treatment Events | Treatment Total | Control Events | Control Total | Weight | Risk Ratio M-H, Fixed, 95% CI |
|---|---|---|---|---|---|---|
| **1.23.1 Long-term** | | | | | | |
| PETERSEN05-OPUS | 36 | 243 | 35 | 193 | 100.0% | 0.82 [0.53, 1.25] |
| **Subtotal (95% CI)** | | **243** | | **193** | **100.0%** | **0.82 [0.53, 1.25]** |
| Total events | 36 | | 35 | | | |
| Heterogeneity: Not applicable | | | | | | |
| Test for overall effect: Z = 0.93 (P = 0.35) | | | | | | |
| **Total (95% CI)** | | **243** | | **193** | **100.0%** | **0.82 [0.53, 1.25]** |
| Total events | 36 | | 35 | | | |
| Heterogeneity: Not applicable | | | | | | |
| Test for overall effect: Z = 0.93 (P = 0.35) | | | | | | |




**1.24 Psychosocial functioning: 1. Insight**

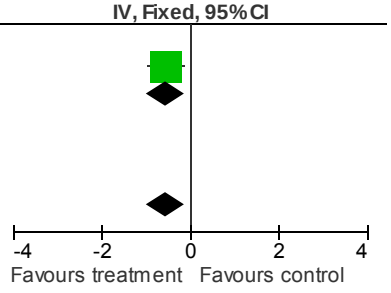
| Study or Subgroup | Treatment Mean | Treatment SD | Treatment Total | Control Mean | Control SD | Control Total | Weight | Std. Mean Difference IV, Fixed, 95% CI |
|---|---|---|---|---|---|---|---|---|
| **1.24.1 Long-term (SAI-E) (high=better)** | | | | | | | | |
| CRAIG2004-LEO | -16.6 | 7.2 | 54 | -12.7 | 7.7 | 43 | 100.0% | -0.52 [-0.93, -0.11] |
| **Subtotal (95% CI)** | | | **54** | | | **43** | **100.0%** | **-0.52 [-0.93, -0.11]** |
| Heterogeneity: Not applicable | | | | | | | | |
| Test for overall effect: Z = 2.51 (P = 0.01) | | | | | | | | |
| **Total (95% CI)** | | | **54** | | | **43** | **100.0%** | **-0.52 [-0.93, -0.11]** |
| Heterogeneity: Not applicable | | | | | | | | |
| Test for overall effect: Z = 2.51 (P = 0.01) | | | | | | | | |




Test for subgroup differences: Not applicable

**1.25 Psychosocial functioning: 2. Adherence**

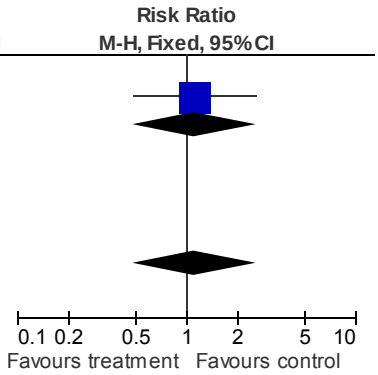
| Study or Subgroup | Treatment Mean | Treatment SD | Treatment Total | Control Mean | Control SD | Control Total | Weight | Std. Mean Difference IV, Fixed, 95% CI |
|---|---|---|---|---|---|---|---|---|
| **1.25.1 Long-term (SAI-E compliance sub-scale) (high=better)** | | | | | | | | |
| CRAIG2004-LEO | -5.4 | 1.4 | 49 | -4.5 | 1.8 | 41 | 100.0% | -0.56 [-0.98, -0.14] |
| **Subtotal (95% CI)** | | | **49** | | | **41** | **100.0%** | **-0.56 [-0.98, -0.14]** |
| Heterogeneity: Not applicable | | | | | | | | |
| Test for overall effect: Z = 2.59 (P = 0.010) | | | | | | | | |
| **Total (95% CI)** | | | **49** | | | **41** | **100.0%** | **-0.56 [-0.98, -0.14]** |
| Heterogeneity: Not applicable | | | | | | | | |
| Test for overall effect: Z = 2.59 (P = 0.010) | | | | | | | | |




Test for subgroup differences: Not applicable

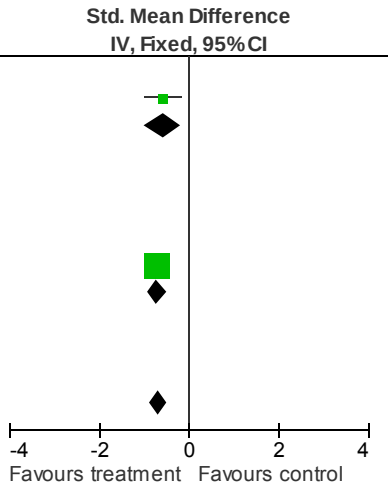
**1.26 Psychosocial functioning: 2. Non-adherence to antipsychotic medication**

| Study or Subgroup | Treatment Events | Treatment Total | Control Events | Control Total | Weight | Risk Ratio M-H, Fixed, 95% CI |
|---|---|---|---|---|---|---|
| **1.26.1 Long-term** | | | | | | |
| GRAWE2006-OTP | 10 | 30 | 6 | 20 | 100.0% | 1.11 [0.48, 2.57] |
| **Subtotal (95% CI)** | | **30** | | **20** | **100.0%** | **1.11 [0.48, 2.57]** |
| Total events | 10 | | 6 | | | |
| Heterogeneity: Not applicable | | | | | | |
| Test for overall effect: Z = 0.25 (P = 0.81) | | | | | | |
| **Total (95% CI)** | | **30** | | **20** | **100.0%** | **1.11 [0.48, 2.57]** |
| Total events | 10 | | 6 | | | |
| Heterogeneity: Not applicable | | | | | | |
| Test for overall effect: Z = 0.25 (P = 0.81) | | | | | | |



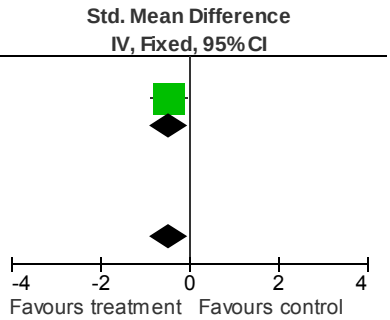

**1.27 Psychosocial functioning: 3. Satisfaction**

| Study or Subgroup | Treatment Mean | Treatment SD | Treatment Total | Control Mean | Control SD | Control Total | Weight | Std. Mean Difference IV, Fixed, 95% CI |
|---|---|---|---|---|---|---|---|---|
| **1.27.1 Long-term (Verona Service Satisfaction Scale)** | | | | | | | | |
| CRAIG2004-LEO | 13.9 | 4.8 | 50 | 17.1 | 5.9 | 44 | 20.7% | -0.59 [-1.01, -0.18] |
| **Subtotal (95% CI)** | | | **50** | | | **44** | **20.7%** | **-0.59 [-1.01, -0.18]** |
| Heterogeneity: Not applicable | | | | | | | | |
| Test for overall effect: Z = 2.81 (P = 0.005) | | | | | | | | |
| **1.27.2 Long-term (Client Satisfaction Questionnaire; sign reversed)** | | | | | | | | |
| PETERSEN05-OPUS | -26.1 | 3.7 | 205 | -22.9 | 5.2 | 164 | 79.3% | -0.72 [-0.93, -0.51] |
| **Subtotal (95% CI)** | | | **205** | | | **164** | **79.3%** | **-0.72 [-0.93, -0.51]** |
| Heterogeneity: Not applicable | | | | | | | | |
| Test for overall effect: Z = 6.67 (P < 0.00001) | | | | | | | | |
| **Total (95% CI)** | | | **255** | | | **208** | **100.0%** | **-0.69 [-0.88, -0.51]** |
| Heterogeneity: Chi² = 0.29, df = 1 (P = 0.59); I² = 0% | | | | | | | | |
| Test for overall effect: Z = 7.22 (P < 0.00001) | | | | | | | | |
| Test for subgroup differences: Chi² = 0.29, df = 1 (P = 0.59), I² = 0% | | | | | | | | |



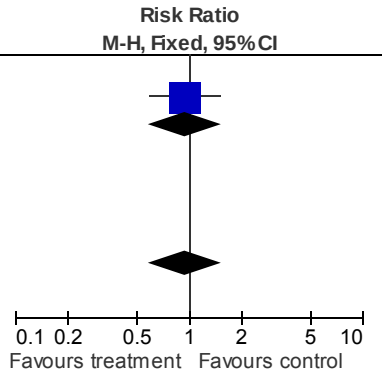

**1.28 Psychosocial functioning: 4. QoL**

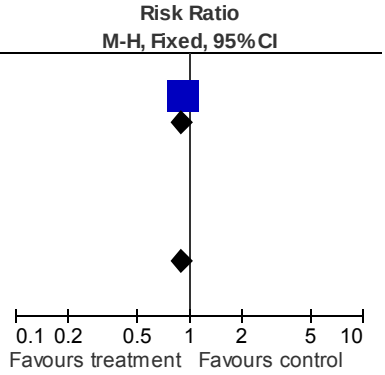
| Study or Subgroup | Treatment Mean | Treatment SD | Treatment Total | Control Mean | Control SD | Control Total | Weight | Std. Mean Difference IV, Fixed, 95% CI |
|---|---|---|---|---|---|---|---|---|
| **1.28.1 Long-term (Manchester Short Assessment of QoL) (high = better)** | | | | | | | | |
| CRAIG2004-LEO | -59.2 | 12.6 | 52 | -53.2 | 12.4 | 40 | 100.0% | -0.48 [-0.89, -0.06] |
| **Subtotal (95% CI)** | | | **52** | | | **40** | **100.0%** | **-0.48 [-0.89, -0.06]** |
| Heterogeneity: Not applicable | | | | | | | | |
| Test for overall effect: Z = 2.23 (P = 0.03) | | | | | | | | |
| **Total (95% CI)** | | | **52** | | | **40** | **100.0%** | **-0.48 [-0.89, -0.06]** |
| Heterogeneity: Not applicable | | | | | | | | |
| Test for overall effect: Z = 2.23 (P = 0.03) | | | | | | | | |
| Test for subgroup differences: Not applicable | | | | | | | | |



**1.29 Psychosocial functioning: 5. Not living independently**

| Study or Subgroup | Treatment Events | Treatment Total | Control Events | Control Total | Weight | Risk Ratio M-H, Fixed, 95% CI |
|---|---|---|---|---|---|---|
| **1.29.1 Long-term** | | | | | | |
| PETERSEN05-OPUS | 32 | 243 | 27 | 193 | 100.0% | 0.94 [0.58, 1.52] |
| **Subtotal (95% CI)** | | **243** | | **193** | **100.0%** | **0.94 [0.58, 1.52]** |
| Total events | 32 | | 27 | | | |
| Heterogeneity: Not applicable | | | | | | |
| Test for overall effect: Z = 0.25 (P = 0.80) | | | | | | |
| **Total (95% CI)** | | **243** | | **193** | **100.0%** | **0.94 [0.58, 1.52]** |
| Total events | 32 | | 27 | | | |
| Heterogeneity: Not applicable | | | | | | |
| Test for overall effect: Z = 0.25 (P = 0.80) | | | | | | |




**1.30 Psychosocial functioning: 6. Not working or in education**

| Study or Subgroup | Treatment Events | Treatment Total | Control Events | Control Total | Weight | Risk Ratio M-H, Fixed, 95% CI |
|---|---|---|---|---|---|---|
| **1.30.1 Long-term** | | | | | | |
| PETERSEN05-OPUS | 148 | 243 | 129 | 193 | 100.0% | 0.91 [0.79, 1.05] |
| **Subtotal (95% CI)** | | **243** | | **193** | **100.0%** | **0.91 [0.79, 1.05]** |
| Total events | 148 | | 129 | | | |
| Heterogeneity: Not applicable | | | | | | |
| Test for overall effect: Z = 1.29 (P = 0.20) | | | | | | |
| **Total (95% CI)** | | **243** | | **193** | **100.0%** | **0.91 [0.79, 1.05]** |
| Total events | 148 | | 129 | | | |
| Heterogeneity: Not applicable | | | | | | |
| Test for overall effect: Z = 1.29 (P = 0.20) | | | | | | |