**S2 Appendix. Proportion (%) (95% CI) of clinical practice guideline indicator adherence (n=114) across measurement points**

|  |  |  |
| --- | --- | --- |
| Clinical practice guideline indicator | Percent (%) of clinical practice adherence obtained at three time points | Difference between groups (mean, 95% CI) |
|  | 0-2 months (baseline) |  | 13-15 months(post intervention) |  | 18-19 months(follow-up) |  | 13-15 months minus 0-2 months |  | 18-19 months minus 13-15 months |
| Behavioural support plans, 1 | 100 (100 to 100) |  | 100 (100 to 100) |  | 50 (12 to 88) |  | 0 \* |  | -50(-175 to 75) |
| Behavioural support plans, 2 | 38(-6 to 81) |  | 100(100 to 100) |  | 95(84.5 to 106) |  | 62.5(19.2 to 105.8) |  | -5(-21.4 to 11.4) |
| Behavioural support plans, 3 | 40(-28.0 to 108.0) |  | 100(100 to 100) |  | 100(100 to 100) |  | 60(-19.9 to 139.9) |  | 0\* |
| Behavioural support plans, 4 | 50(-42 to 142) |  | 100(100 to 100) |  | 100(100 to 100) |  | 50(-37.8 to 137.8) |  | 0\* |
| Behavioural support plans, 5 | 100(100 to 100) |  | 100(100 to 100) |  | 100(100 to 100) |  | 0\* |  | 0\* |
| Behavioural support plans, 6 | 67(-77 to 210) |  | 33(-110 to 117) |  | 83(59 to 108) |  | -33(-164.2 to 97.5) |  | 50(-9.1 to 109.1) |
| Care Plan, 1 | 60(-8 to 128) |  | 100(100 to 100) |  | 67(35 to 98) |  | 40(-25.7 to 105.7) |  | 33.3(-87.4 to 20.7) |
| Care Plan, 2 | 14(-21 to 49) |  | 88(58 to 117) |  | 60(36 to 84) |  | 73.2(32.4 to 114) |  | -27.5(-67.7 to 12.7) |
| Care Plan, 3 | 80(24 to 136) |  | 86(51 to 121) |  | 63(19 to 106) |  | 5.7(-47.4 to 58.8) |  | -23.2(-74.5 to 28) |
| Care Plan, 4 | 63(19 to 106) |  | 75(36 to 114) |  | 85(68 to 102) |  | 12.5(-40.2 to 65.2) |  | 10(-23.9 to 43.9) |
| Care Plan, 5 | 25(-14 to 64) |  | 100(100 to 100) |  | 70(48 to 92) |  | 75(36.3 to 113.7) |  | -30(-64.6 to 4.6) |
| Care Plan, 6 | 88(58 to 117) |  | 100(100 to 100) |  | 65(42 to 88) |  | 12.5(-14.3 to 39.3) |  | -35(-71.0 to 1.0) |
| Continuity of care, 1 | 100(100 to 100) |  | 100(100 to 100) |  | 100(100 to 100) |  | 0\* |  | 0\* |
| Continuity of care, 2 | 33(-21 to 88) |  | 100(100 to 100) |  | 90(76 to 104) |  | 66.7(12.5 to 120.9) |  | -10(-32.6 to 12.6) |
| Continuity of care, 3 | 70(48 to 92) |  | 100(100 to 100) |  | 70(48 to 92) |  | 30(8 to 52) |  | -30(-64.6 to 4.6) |
| Continuity of care, 4 | 100(100 to 100) |  | 100(100 to 100) |  | 80(61 to 99) |  | 0\* |  | -20(-50.2 to 10.2) |
| Continuity of care, 5 | 100(100 to 100) |  | 100(100 to 100) |  | 100(100 to 100) |  | 0\* |  | 0\* |
| Continuity of care, 6 | 17(-26 to 60) |  | 100(100 to 100) |  | 95(84 to 106) |  | 83.3(40.5 to 126.2) |  | -5.3(-23.4 to 12.9) |
| Continuity of care, 7 | 100(100 to 100) |  | 100(100 to 100) |  | 100(100 to 100) |  | 0\* |  | 0\* |
| Continuity of care, 8 | 63(19 to 106) |  | 100(100 to 100) |  | 100(100 to 100) |  | 37.5(-5.8 to 80.8) |  | 0\* |
| Continuity of care, 9 | 25(-14 to 64) |  | 100(100 to 100) |  | 83(59 to 108) |  | 75(36.3 to 113.7) |  | -16.7(-54.5 to 21.2) |
| Discharge planning, 1 | 71(26 to 117) |  | 86(51 to 121) |  | 47(18 to 75) |  | 14.3(-36.5 to 65.1) |  | -39(-84.8 to 6.7) |
| Discharge planning, 2 | 100(100 to 100) |  | 100(100 to 100) |  | \* |  | 0\* |  | \* |
| Discharge planning, 3 | 0\* |  | 100(100 to 100) |  | 67(12 to 121) |  | 100(100 to 100) |  | -33(-86.1 to 19.4) |
| Discharge planning, 4 | \* |  | 100(100 to 100) |  | 0\* |  | \* |  | 100\* |
| Discharge planning, 5 | 100(100 to 100) |  | 100(100 to 100) |  | 100(100 to 100) |  | 0\* |  | 0\* |
| Discharge planning, 6 | 0\* |  | 33(-110 to 177) |  | 100(100 to 100) |  | 33.3\* |  | 66.7(-220 to 353.5) |
| Discharge planning, 7 | \* |  | 75(-5 to 155) |  | 100(100 to 100) |  | \* |  | 25(-152.9 to 202.9) |
| Equipment use, 1 | 88(58 to 117) |  | 100(100 to 100) |  | 93(79 to 108) |  | 12.5(-14.3 to 39.3) |  | -6.7(-25.9 to 12.5) |
| Equipment use, 2 | 50(-585 to 685) |  | 100(100 to 100) |  | 75(-5 to 155) |  | 50(-35 to 135) |  | -25(-86.2 to 36.2) |
| Equipment use, 3 | 100(100 to 100) |  | 86(51 to 121) |  | 100(100 to 100) |  | -14.3(-45.4 to 16.8) |  | 14.3(-2.5 to 31.0) |
| Equipment use, 4 | 100(100 to 100) |  | 100(100 to 100) |  | 100(100 to 100) |  | 0\* |  | 0\* |
| Family Education, 1 | 38(-6 to 81) |  | 88(58 to 117) |  | 89(73 to 105) |  | 50(1.9 to 98.1) |  | 1.4(-27.8 to 30.5) |
| Family Education, 2 | 25(-14 to 64) |  | 0\* |  | 7(-8 to 23) |  | -25(-71.3 to 21.3) |  | 7.1(-18.5 to 32.8) |
| Family Education, 3 | 13(-17 to 42) |  | 88(58 to 117) |  | 79(59 to 99) |  | 75(37.1 to 112.9) |  | -8.6(-43.4 to 26.3) |
| Family Education, 4 | 0\* |  | 40(-28 to 108) |  | 18(-9 to 45) |  | 40(-126.6 to 206.6) |  | -21.8(-73.9 to 30.3) |
| Family Education, 5 | \* |  | 100(100 to 100) |  | 100(100 to 100) |  | \* |  | 0\* |
| Family Education, 6 | 38(-6 to 81) |  | 100(100 to 100) |  | 84(66 to 102) |  | 62.5(19.2 to 105.8) |  | -15.8(-43.4 to 11.8) |
| Family Education, 7 | 13(-17 to 42) |  | 88(58 to 117) |  | 58(33 to 82) |  | 75(37.1 to 112.9) |  | -29.6(-70.3 to 11.1) |
| Family Education, 8 | 25(- 14 to 64) |  | 100(100 to 100) |  | 89(74 to 105) |  | 75(36.3 to 113.7) |  | -10.5(-33.7 to 12.7) |
| Family Education, 9 | 13(-17 to 42) |  | 75(36 to 114) |  | 84(66 to 102) |  | 62.5(18 to 107) |  | 9.2(-25.6 to 44) |
| Family Education, 10 | 13(-17 to 42) |  | 13(-17 to 42) |  | 37(13 to 61) |  | 0(-37.9 to 37.9) |  | 24.3(-15.6 to 64.3) |
| Family Education, 11 | 13(-17 to 42) |  | 100(100 to 100) |  | 53(28 to 77) |  | 87.5(57.9 to 117.1) |  | -47.4(-72.1 to -22.6) |
| Family Education, 12 | 0\* |  | 88(58 to 117) |  | 42(18 to 67) |  | 87.5(57.9 to 117.1) |  | -45.4(-81.2 to -9.6) |
| Family Education, 13 | 13(-17 to 42) |  | 88(58 to 117) |  | 33(9 to 57) |  | 75(37.1 to 112.9) |  | -54.2(-89.7 to -18.6) |
| Family Education, 14 | 0\* |  | 38(-6 to 81) |  | 6(-7 to 20) |  | 38(-1.7 to 76.7) |  | -31.3(-63.47 to 0.9) |
| Family Education, 15 | 0\* |  | 0\* |  | 26(5 to 48) |  | 0\* |  | 26.3(-7.0 to 59.6) |
| Family Education, 16 | 13(-17 to 42) |  | 100(100 to 100) |  | 64(36 to 93) |  | 87.5(57.9 to 117.1) |  | -35.7(-72.8 to 1.3) |
| Goal setting, 1 | 100(100 to 100) |  | 100(100 to 100) |  | 78(57 to 99) |  | 0\* |  | -22.2(-53.8 to 9.4) |
| Goal setting, 2 | 0\* |  | 100(100 to 100) |  | 65(42 to 88) |  | 100(100 to 100) |  | -35(-71 to 1) |
| Medical management, 1 | 33(-110 to 177) |  | 100(100 to 100) |  | 100(100 to 100) |  | 66.7(-5.0 to 138.4) |  | 0\* |
| Medical management, 2 | 57(8 to 107) |  | 75(36 to 114) |  | 78(57 to 99) |  | 17.9(-37.7 to 73.5) |  | 2.8(-35.7 to 41.2) |
| Medical management, 3 | 0\* |  | \* |  | \* |  | \* |  | \* |
| Medical management, 4 | 0\* |  | \* |  | \* |  | \* |  | \* |
| Medical management, 5 | 0\* |  | \* |  | \* |  | \* |  | \* |
| Medical management, 6 | 33(-21 to 88) |  | \* |  | \* |  | \* |  | \* |
| Medical management, 7 | 100(100 to 100) |  | 100(100 to 100) |  | 100(100 to 100) |  | 0\* |  | 0\* |
| Medical management, 8 | 67(-77 to 210) |  | 100(100 to 100) |  | 86(51 to 121) |  | 33.3(-38.4 to 105) |  | -14.3(-58 to 29.5) |
| Medical management, 9 | 100(100 to 100) |  | 100(100 to 100) |  | 67(12 to 121) |  | 0\* |  | -33.3(-106.3 to 39.6) |
| Medical management, 10 | 0\* |  | 100(100 to 100) |  | 100(100 to 100) |  | 100(100 to 100) |  | 0\* |
| Medical management, 11 | 50(585 to 685) |  | 100(100 to 100) |  | 100(100 to 100) |  | 50(-68.6 to 168.6) |  | 0\* |
| Medical records, 1 | 13(-17 to 42) |  | 100(100 to 100) |  | 100(100 to 100) |  | 87.5(57.9 to 117.1) |  | 0\* |
| Medical records, 2 | 88(58 to 117) |  | 100(100 to 100) |  | 100(100 to 100) |  | 12.5(-14.3 to 39.3) |  | 0\* |
| Medical records, 3 | 50(5 to 95) |  | 100(100 to 100) |  | 100(100 to 100) |  | 50(5.3 to 94.7) |  | 0\* |
| Minimally conscious care, 1 | \* |  | 100(100 to 100) |  | 100(100 to 100) |  | \* |  | 0\* |
| Minimally conscious care, 2 | \* |  | 100(100 to 100) |  | 100(100 to 100) |  | \* |  | 0\* |
| Minimally conscious care, 3 | \* |  | 100(100 to 100) |  | 100(100 to 100) |  | \* |  | 0\* |
| Safety, 1 | 0\* |  | 50(5 to 95) |  | 76(54 to 99) |  | 50(-41.2 to 141.2) |  | 26.5(-15.1 to 68.1) |
| Safety, 2 | 88(58 to 117) |  | 100(100 to 100) |  | 100(100 to 100) |  | 12.5(-14.3 to 39.3) |  | 0\* |
| Safety, 3 | 88(58 to 117) |  | 100(100 to 100) |  | 100(100 to 100) |  | 12.5(-14.3 to 39.3) |  | 0\* |
| Safety, 4 | 100(100 to 100) |  | 67(12 to 121) |  | 82(62 to 103) |  | -33(-127.5 to 60.8) |  | 15.7(-26.3 to 57.7) |
| Safety, 5 | \* |  | 100(100 to 100) |  | 100(100 to 100) |  | \* |  | 0\* |
| Safety, 6 | \* |  | 100(100 to 100) |  | 100(100 to 100) |  | \* |  | 0\* |
| Safety, 7 | 100(100 to 100) |  | 100(100 to 100) |  | 100(100 to 100) |  | 0\* |  | 0\* |
| Personal care regime, 1 | \* |  | 100(100 to 100) |  | 100(100 to 100) |  | \* |  | 0\* |
| Personal care regime, 2 | 0\* |  | 100(100 to 100) |  | 100(100 to 100) |  | 100(100 to 100) |  | 0\* |
| Personal care regime, 3 | \* |  | 75(36 to 114) |  | 75(54 to 96) |  | \* |  | 0(-38.6 to 38.6) |
| Personal care regime, 4 | 14(-21 to 49) |  | 0\* |  | 22(-12 to 56) |  | -14.3(-80.6 to 52.1) |  | 22.2(-51.3 to 95.7) |
| Personal care regime, 5 | 14(-21 to 49) |  | 71(26 to 117) |  | 88(69 to 106) |  | 57.1(6.0 to 108.3) |  | 16.1(-20.6 to 52.7) |
| PTA Management, 1 | 100(100 to 100) |  | 100(100 to 100) |  | 100(100 to 100) |  | 0\* |  | 0\* |
| PTA Management, 2 | \* |  | 0\* |  | 100(100 to 100) |  | \* |  | 100\* |
| PTA Management, 3 | 50(-585 to 685) |  | 100(100 to 100) |  | 67(35 to 98) |  | 50(-35.0 to 135.0) |  | -33(-87.4 to 20.7) |
| PTA Management, 4 | 0\* |  | 100(100 to 100) |  | 83(59 to 108) |  | 100(100 to 100) |  | -16.7(-59.4 to 26.1) |
| PTA Management, 5 | 100(100 to 100) |  | 100(100 to 100) |  | 80(24 to 136) |  | 0\* |  | -20(-66.1 to 26.1) |
| Roles and responsibilities, 1 | 0\* |  | 100(100 to 100) |  | 67(35 to 98) |  | 100(100 to 100) |  | -33.3(-81.2 to 14.5) |
| Roles and responsibilities, 2 | 100(100 to 100) |  | 100(100 to 100) |  | 82(55 to 109) |  | 0\* |  | -18.2(-57.7 to 21.4) |
| Roles and responsibilities, 3 | 100(100 to 100) |  | 100(100 to 100) |  | 92(73 to 110) |  | 0\* |  | -8.3(-33.7 to 17) |
| Roles and responsibilities, 4 | 0\* |  | 88(58 to 117) |  | 60(36 to 84) |  | 87.5(57.9 to 117.1) |  | -27.5(-67.7 to 12.7) |
| Roles and responsibilities, 5 | 0\* |  | 100(100 to 100) |  | 75(51 to 99) |  | 100(100 to 100) |  | -25(-60.6 to 10.6) |
| Roles and responsibilities, 6 | 63(19 to 106) |  | 100(100 to 100) |  | 95(85 to 105) |  | 37.5(-1.7 to 76.7) |  | -5(-21.4 to 11.4) |
| Therapy, 1 | 100(100 to 100) |  | 100(100 to 100) |  | 90(76 to 104) |  | 0\* |  | -10(-32.6 to 12.6) |
| Therapy, 2 | 100(100 to 100) |  | 100(100 to 100) |  | 100(100 to 100) |  | 0\* |  | 0\* |
| Therapy, 3 | 88(58 to 117) |  | 100(100 to 100) |  | 95(84 to 106) |  | 12.5(-17.1 to 342.1) |  | -5.3(-22.2 to 11.6 |
| Therapy, 4 | 50(-585 to 685) |  | 100(100 to 100) |  | 100(100 to 100) |  | 50(4.4 to 95.6) |  | 0\* |
| Therapy, 5 | 71(26 to 117) |  | 100(100 to 100) |  | 95(85 to 105) |  | 28.6(-16.6 to 73.7) |  | -5(-21.4 to 11.4) |
| Therapy, 6 | 0\* |  | 88(58 to 117) |  | 88(69 to 106) |  | 87.5(57.9 to 117.1) |  | 0(-31 to 31) |
| Therapy, 7 | 17(-26 to 60) |  | 100(100 to 100) |  | 100(100 to 100) |  | 83.3(40.5 to 126.2) |  | 0\* |
| Therapy, 8 | 50(5 to 95) |  | 25(-14 to 64) |  | 53(28 to 77) |  | -25(-78.6 to 28.6) |  | 27.6(-15.7 to 71.0) |
| Therapy, 9 | 57(8 to 108) |  | 100(100 to 100) |  | 100(100 to 100) |  | 42.9(-6.6 to 92.3) |  | 0\* |
| Therapy, 10 | 20(-36 to 76) |  | 100(100 to 100) |  | 100(100 to 100) |  | 80(24.5 to 135.5) |  | 0\* |
| Therapy, 11 | 0\* |  | 67(12 to 121) |  | 67(28 to 105) |  | 66.7(12.5 to 120.9) |  | 0(-57.7 to 57.7) |
| Therapy, 12 | 0\* |  | 25(-14 to 64) |  | 17(-20 to 36) |  | 25(-13.7 to 63.7) |  | -8.3(-44.1 to 27.5) |
| Therapy, 13 | 75(36 to 114) |  | 100(100 to 100) |  | 95(85 to 105) |  | 25(-13.7 to 63.7) |  | -5(-21.4 to 11.4) |
| Therapy, 14 | 50(5 to 95) |  | 88(58 to 117) |  | 53(28 to 77) |  | 37.5(-11.8 to 86.8) |  | -34.9(-76.0 to 6.3) |
| Therapy, 15 | 43(-7 to 92) |  | 100(100 to 100) |  | 100(100 to 100) |  | 57.1(7.7 to 106.6) |  | 0\* |
| Therapy, 16 | 33(-21 to 88) |  | 86(51 to 121) |  | 95(84 to 106) |  | 52.4(-2.3 to 107) |  | 9(-16 to 34) |
| Therapy, 17 | 0\* |  | 50(-42 to 142) |  | 57(27 to 87) |  | 50(-41.9 to 141.9) |  | 7.1(-56.1 to 70.4) |
| Therapy, 18 | 14(-21 to 49) |  | 100(100 to 100) |  | 0\* |  | 85.7(-13.2 to 184.6) |  | -100\* |
| Therapy, 19 | 100(100 to 100) |  | 100(100 to 100) |  | 100(100 to 100) |  | 0\* |  | 0\* |
| Therapy, 20 | 67(12 to 121) |  | 100(100 to 100) |  | 100(100 to 100) |  | 33.3(-20.9 to 87.5) |  | 0\* |
| Ward round, 1 | 25(-14 to 64) |  | 0\* |  | 0\* |  | -25(-63.7 to 13.7) |  | 0\* |
| Ward round, 2 | 0\* |  | 0\* |  | 5(-5 to 15) |  | \* |  | 5(-11.4 to 21.4) |
| Ward round, 3 | 0\* |  | 100(100 to 100) |  | 100(100 to 100) |  | 100(100 to 100) |  | 0\* |
| Ward round, 4 | 0\* |  | 0\* |  | 5(-5 to 15) |  | \* |  | 5(-11.4 to 21.4) |

\* = Unable to compute as some items responses are ‘not applicable’ or contain a score of ‘0’, CI = Confidence Interval