**Supplementary Table 1.** Baseline characteristics of all FEP, those from the core sample of GAP and those for the subsample with Beads Task.

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| **DESCRIPTIVE AT BASELINE** | Number (%) | | Statistics |  |  |
| Gender  Male  Female  Age (years), mean (SD) | Sub-sample  n= 123 (29%)  75 (61.0)  48 (39.0)  29.4 (10.03) | GAP  207 (67.2)  101 (32.8)  28.65 (9.06) | Tests (df)  Χ2(1)=1.51  t(402)=-0.8 | Effect size (95% CI)  V=.06 (.05 , .16)  d=.09 (-.13, .3) | p value  0.22  0.42 |
| ETHNICITY  By self-report  White  Black  Other | 46 (37.4)  52 (42.3)  25 (20.3) | 113 (36.7)  142 (46.1)  53 (17.2) | Χ2(2)=0.77 | V=-.04 (-.07 , .14) | 0.68 |
| DIAGNOSIS ACCORDING TO ICD-10 AND DSM-IV (OPCRIT)  Schizophrenia spectrum  Affective psychosis | 92 (74.8)  31 (25.2) | 164 (78.9)  44 (21.1) | Χ2(1)=.72 | V=-.04 (-.05 , .16) | 0.39 |
| EDUCATION LEVEL  No qualification  School education  Tertiary education | 21 (17.7)  40 (33.6)  58 (48.7) | 28 (17.1)  63 (38.4)  73 (44.5) | Χ2(2)=.72 | V=-.05 (-.08 , .17) | 0.7 |

JTC: jumping to conclusions; SD: standard deviation; IQR: interquartile range; df: degrees of freedom; FU: follow-up

**Supplementary Table 2.** Baseline characteristics of all FEP, those lost to follow-up, and those remaining to the end.

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| **DESCRIPTIVE AT BASELINE** |  |  | | | Statistics | |  |
| Gender  Male  Female  Age (years), mean (SD) | Lost participants  n= 21 (17%)  13 (61.9)  8 (38.1)  33.14 (3.29) | | Remaining participants n= 102 (83%)  62 (60.8)  40 (39.2)  28.7 (0.85) | Tests (df)  Χ2(1)=0.01  t(121)=1.86 | | Effect size (95%CI)  V=.01 (-.09 , .16)  d=.45 (-.03, .92) | | | p value  0.92  0.06 |
| ETHNICITY  By self-report  White  Black  Other | 10 (47.6)  6 (28.6)  5 (23.8) | | 36 (35.3)  46 (45.1)  20 (19.6) | Χ2(2)=1.98 | | V=.13 (-.13 , .31) | | | 0.37 |
| DIAGNOSIS ACCORDING TO ICD-10 AND DSM-IV (OPCRIT)  Schizophrenia spectrum  Affective psychosis | 17 (80.9)  4 (19.1) | | 75 (73.5)  27 (26.5) | Χ2(1)=0.51 | | V=-.06 (-.09 , .26) | | | 0.48 |
| EDUCATION LEVEL  No qualification  School education  Tertiary education | 5 (25.0)  6 (30.0)  9 (45.0) | | 16 (16.2)  34 (34.3)  49 (49.5) | Χ2(2)=0.9 | | V=-.09 (-.13 , .27) | | | 0.64 |
| CLINICA STATUS  PANSS  Positive Scale, mean (SD)  Negative Scale, mean (SD)  General Scale, mean (SD) | 16.68 (1.52)  14.72 (1.13)  30.89 (1.95) | | 13.52 (0.56)  15.1 (0.65)  8.78 (0.68) | t(113)=2.21  t(113)=-0.31  t(113)=1.2 | | d=-.56 (.06 , 1.05)  d=--.08 (-.57 , .42)  d=-.3 (-.19 , .8) | | | **0.03**  0.76  0.32 |
| IQ, mean (SD) | 92.42 (14.38) | | 89.89 (14.9) | t(107)=0.68 | | d=.17 (-.32 , .67) | | | 0.49 |
| GAF symptoms, mean (SD)  GAF disability, mean (SD)  CGI, mean (SD) | 42.22 (4.03)  56.22 (3.76)  3.94 (0.36) | | 52.78 (2.11)  58.92 (1.83)  3.07 (0.14) | t(105)=-2.09  t(104)=-0.62  t(106)=2.47) | | d=--.54 (-1.54 , -.03)  d=-.16 (-.67 , .35)  d=.64 (.12 , 1.15) | | | **0.04**  0.54  **0.02** |
|  |  | |  |  | |  | | |  |

SD: standard deviation; df: degrees of freedom

**Supplementary Table 3.** Full adjusted regressions models.

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| **DAYS OF ADMISSION** | IRR. (95% CI) | Z | P value |
| JTC  Age  Gender  Ethnicity  IQ  Positive dimension  Negative dimension  Excited dimension  Concrete/disorganised dimension  Depressed dimension  GAF disability  MHA intervention  Police intervention | **5.03\*** (1.91 , 13.24)  0.99 (0.95 , 1.03)  0.32 (0.13 , 0.76)  0.81 (0.47 , 1.40)  1.03 (0.98 , 1.07)  1.45 (0.80 , 2.61)  1.58 (0.76 , 3.27)  0.61 (0.13 , 2.89)  0.39 (0.14 , 1.07)  0.70 (0.28 , 1.76)  1.01 (0.98 , 1.04)  0.80 (0.34 , 1.89)  1.36 (0.51 , 3.62) | 3.27  -0.46  -2.56  -0.75  1.19  1.23  1.22  -0.63  -1.82  -0.76  0.55  -0.51  0.62 | <0.001  0.648  0.010  0.456  0.232  0.218  0.222  0.529  0.068  0.444  0.579  0.610  0.538 |
| **CLINICAL REMISSION** | OR. (95% CI) | Z | P value |
| JTC  Age  Gender  Ethnicity  IQ  Positive dimension  Negative dimension  Excited dimension  Concrete/disorganised dimension  Depressed dimension  GAF disability | 0.47 (0.12 , 1.88)  0.98 (0.91 , 1.06)  0.54 (0.12 , 2.31)  0.71 (0.30 , 1.68)  1.02 (0.98 , 1.07)  0.48 (0.18 , 1.24)  0.32 (0.10 , 1.03)  1.63 (0.25 , 10.64)  3.91 (0.58 , 26.20)  4.06 (0.95 , 17.35)  0.98 (0.94 , 1.03) | -1.06  -0.58  -0.83  -0.77  0.92  -1.52  -1.91  0.51  1.40  1.89  -0.69 | 0.287  0.565  0.404  0.440  0.356  0.128  0.057  0.610  0.161  0.058  0.489 |
| **MENTAL HEALTH ACT** | OR. (95% CI) | Z | P value |
| JTC  Age  Gender  Ethnicity  IQ  Positive dimension  Negative dimension  Excited dimension  Concrete/disorganised dimension  Depressed dimension  GAF disability | **15.62\*** (2.92 , 83.54)  0.98 (0.90 , 1.06)  1.14 (0.20 , 6.50)  1.12 (0.40 , 3.11)  0.97 (0.90 , 1.03)  2.35 (0.71 , 7.79)  2.21 (0.53 , 9.30)  0.50 (0.04 , 6.74)  0.73 (0.06 , 8.77)  0.29 (0.05 , 1.55)  1.00 (0.95 , 1.05) | 3.21  -0.49  0.15  0.22  -0.97  1.40  1.08  -0.53  -0.24  -1.45  -0.01 | <0.001  0.624  0.882  0.829  0.330  0.161  0.279  0.599  0.807  0.146  0.989 |
| **POLICE INTERVENTION** | OR. (95% CI) | Z | P value |
| JTC  Age  Gender  Ethnicity  IQ  Positive dimension  Negative dimension  Excited dimension  Concrete/disorganised dimension  Depressed dimension  GAF disability | **14.95\*** (2.68 , 83.34)  0.96 (0.89 , 1.05)  0.57 (0.11 , 3.08)  0.55 (0.19 , 1.56)  0.97 (0.9 , 1.04)  1.49 (0.51 , 4.36)  2.07 (0.56 , 7.56)  0.89 (0.07 , 10.95)  0.34 (0.04 , 2.79)  0.19 (0.04 , 2.79)  0.98 (0.93 , 1.03) | 3.09  -0.87  -0.65  -1.13  -0.80  0.73  1.10  -0.093  -1.01  -1.74  -0.69 | 0.002  0.386  0.515  0.259  0.422  0.463  0.273  0.926  0.313  0.082  0.492 |

JTC: jumping to conclusions; IRR: incident rate ratio; OR: odds ratio; CI: confident interval