

Appendix Tables

Appendix Table 1: Baseline characteristics of patients from second to fourth quarter of 2011

| second quarter of 2011 | Coordinated care | Uncoordinated care | Coordination not determinable |
|--|-------------------------|---------------------------|--------------------------------------|
| n (%) | 1.528.315 (42.9) | 1.863.378 (52.4) | 167.185 (4.7) |
| Age (mean) | 56.1 | 48.4 | 49.0 |
| Gender: male (%) | 572.920 (37.5) | 620.364 (33.3) | 49.668 (29.7) |
| Proportion of chronic disease (%) | 86.2 | 66.8 | 52.2 |
| Number of medical condition categories (mean) | 3.6 | 3.9 | 1.2 |
| Proportion of doctor shopping (%) | 1.3 | 8.6 | 0.0 |
| Proportion of mental diseases categories (%) | 16.7 | 17.9 | 12.8 |
| Number of different physicians (mean) | 1.8 | 2.1 | 1.3 |
| Number of different physician groups (mean) | 1.6 | 1.7 | 1.1 |
| Proportion with different specialists (%) | 41.1 | 44.2 | 8.5 |
| GP fin. claim in € (Σ) | 102.305.347 | 85.924.574 | 6.522.879 |
| SP fin. claim in € (Σ) | 233.505.066 | 334.222.159 | 15.718.766 |
| Total fin. claim in € (Σ) | 335.810.413 | 420.146.733 | 22.241.645 |
| GP fin. claim / patient in € (mean) | 73.05 | 73.56 | 74.01 |
| SP fin. claim / patient in € (mean) | 152.79 | 179.36 | 94.02 |
| Total fin. claim / patient in € (mean) | 219.73 | 225.48 | 133.04 |
| Proportion of patients without GP fin. claim (%) | 8.4 | 37.3 | 47.3 |
| Proportion of patients with 1-40 € GP fin. claim (%) | 21.8 | 17.4 | 15.7 |
| Total drug prescription costs / patient in € (mean) | 167.22 | 150.78 | 90.21 |
| SP drug prescription costs / patient in € (mean) | 78.92 | 92.35 | 34.79 |
| Number of drug prescriptions / patient (mean) | 3.38 | 2.73 | 1.77 |
| Number of SP drug prescriptions / patient (mean) | 0.8 | 1.1 | 0.3 |
| Total DDD / patient (mean) | 195.8 | 145.4 | 96.4 |
| SP DDD / patient (mean) | 33.9 | 48.8 | 14.8 |

| third quarter of 2011 | Coordinated care | Uncoordinated care | Coordination not determinable |
|--|-------------------------|---------------------------|--------------------------------------|
| n (%) | 1.487.833 (41.8) | 1.905.765 (53.6) | 162.174 (4.6) |
| Age (mean) | 56.1 | 48.2 | 48.9 |
| Gender: male (%) | 559.666 (37.6) | 634.418 (33.3) | 47.422 (29.2) |
| Proportion of chronic disease (%) | 86.4 | 66.5 | 51.8 |
| Number of medical condition categories (mean) | 3.6 | 3.9 | 1.2 |
| Proportion of doctor shopping (%) | 1.3 | 9.0 | 0 |
| Proportion of mental diseases categories (%) | 16.9 | 18.1 | 12.9 |
| Number of different physicians (mean) | 1.9 | 2.1 | 1.4 |
| Number of different physician groups (mean) | 1.6 | 1.7 | 1.1 |
| Proportion with different specialists (%) | 41.1 | 44.1 | 9.2 |
| GP fin. claim in € (Σ) | 101.165.250 | 88.207.801 | 6.312.855 |
| SP fin. claim in € (Σ) | 227.100.685 | 341.652.014 | 15.055.967 |
| Total fin. claim in € (Σ) | 328.265.935 | 429.859.815 | 21.368.821 |
| GP fin. claim / patient in € (mean) | 73.95 | 74.34 | 74.39 |
| SP fin. claim / patient in € (mean) | 152.64 | 179.27 | 92.84 |
| Total fin. claim / patient in € (mean) | 220.63 | 225.56 | 131.76 |
| Proportion of patients without GP fin. claim (%) | 8.1 | 37.7 | 47.7 |
| Proportion of patients with 1-40 € GP fin. claim (%) | 21.3 | 17.0 | 15.4 |
| Total drug prescription costs / patient in € (mean) | 171.68 | 155.04 | 88.82 |
| SP drug prescription costs / patient in € (mean) | 81.49 | 95.35 | 35.71 |
| Number of drug prescriptions / patient (mean) | 3.45 | 2.76 | 1.78 |
| Number of SP drug prescriptions / patient (mean) | 0.8 | 1.1 | 0.3 |
| Total DDD / patient (mean) | 202.0 | 148.3 | 98.8 |
| SP DDD / patient (mean) | 34.6 | 49.2 | 15.5 |

| fourth quarter of 2011 | Coordinated care | Uncoordinated care | Coordination not determinable |
|--|-------------------------|---------------------------|--------------------------------------|
| n (%) | 1.587.272 (43.7) | 1.879.415 (51.7) | 169.935 (4.7) |
| Age (mean) | 55.8 | 48.4 | 48.9 |
| Gender: male (%) | 596.990 (37.6) | 623.812 (33.2) | 48.438 (28.5) |
| Proportion of chronic disease (%) | 85.6 | 67.5 | 50.6 |
| Number of medical condition categories (mean) | 3.6 | 4.0 | 1.2 |
| Proportion of doctor shopping (%) | 1.2 | 8.3 | 0.1 |
| Proportion of mental diseases categories (%) | 17.1 | 18.6 | 12.2 |
| Number of different physicians (mean) | 1.9 | 2.1 | 1.4 |
| Number of different physician groups (mean) | 1.6 | 1.7 | 1.1 |
| Proportion with different specialists (%) | 41.4 | 44.6 | 9.3 |
| GP fin. claim in € (Σ) | 105.664.750 | 89.824.995 | 6.538.470 |
| SP fin. claim in € (Σ) | 243.787.883 | 342.625.002 | 16.071.960 |
| Total fin. claim in € (Σ) | 349.452.633 | 432.449.997 | 22.610.431 |
| GP fin. claim / patient in € (mean) | 74.26 | 75.04 | 75.17 |
| SP fin. claim / patient in € (mean) | 153.59 | 182.30 | 94.58 |
| Total fin. claim / patient in € (mean) | 220.16 | 230.10 | 133.05 |
| Proportion of patients without GP fin. claim (%) | 10.4 | 36.3 | 48.8 |
| Proportion of patients with 1-40 € GP fin. claim (%) | 20.6 | 17.0 | 15.0 |
| Total drug prescription costs / patient in € (mean) | 168.88 | 157.61 | 86.88 |
| SP drug prescription costs / patient in € (mean) | 81.26 | 96.93 | 33.64 |
| Number of drug prescriptions / patient (mean) | 3.41 | 2.84 | 1.75 |
| Number of SP drug prescriptions / patient (mean) | 0.8 | 1.1 | 0.3 |
| Total DDD / patient (mean) | 200.2 | 152.8 | 96.9 |
| SP DDD / patient (mean) | 35.3 | 51.3 | 14.7 |

Appendix Table 2: Comparison of coordinated and uncoordinated patients of the first quarter 2011

| | Age | N | Costs of CP in € | Costs of UP in € | Difference after regression adjustment Mean (95% CI) |
|--|--------|---------|---------------------|---------------------|--|
| Amount claimed for specialists | 18-30 | 178.354 | 112.99 | 126.11 | -9.61 (-11.16; -8.11) |
| | 31-45 | 266.559 | 143.01 | 163.14 | -17.10 (-18.43; -15.71) |
| | 46-60 | 335.930 | 168.60 | 181.69 | -9.18 (-10.32; -7.97) |
| | 61-75 | 293.150 | 185.69 | 213.16 | -15.64 (-16.99; -14.57) |
| | 76-110 | 155.379 | 162.61 | 203.25 | -22.09 (-23.68; -20.34) |
| Amount claimed for GPs | 18-30 | 178.354 | 46.50 | 31.63 | 15.66 (15.25; 16.07) |
| | 31-45 | 266.559 | 52.82 | 38.88 | 14.46 (14.13; 14.77) |
| | 46-60 | 335.930 | 60.20 | 49.87 | 10.42 (10.13; 10.71) |
| | 61-75 | 293.150 | 73.45 | 70.13 | 4.03 (3.73; 4.35) |
| | 76-110 | 155.379 | 99.78 | 99.38 | 1.75 (1.30; 2.17) |
| Prescribing costs | 18-30 | 178.354 | 62.22 | 65.77 | -0.42 (-5.18; 4.46) |
| | 31-45 | 266.559 | 100.93 | 107.91 | -3.68 (-7.62; 0.23) |
| | 46-60 | 335.930 | 148.25 | 152.57 | -1.96 (-5.49; 1.24) |
| | 61-75 | 293.150 | 217.54 | 232.71 | -9.95 (-13.52; -6.41) |
| | 76-110 | 155.379 | 254.59 | 266.64 | -9.42 (-14.10; -3.95) |
| Prescribing costs for psychotropic medication | 18-30 | 178.354 | 0.92 | 0.80 | -1.41 (-1.99; -0.86) |
| | 31-45 | 266.559 | 1.72 | 1.71 | -1.76 (-2.21; -1.31) |
| | 46-60 | 335.930 | 2.45 | 2.34 | -1.69 (-2.07; -1.29) |
| | 61-75 | 293.150 | 2.38 | 2.37 | -0.64 (-1.06; -0.22) |
| | 76-110 | 155.379 | 4.72 | 4.67 | -0.24 (-0.87; 0.35) |
| Total costs | 18-30 | 178.354 | 221.71 | 223.51 | 5.49 (0.53; 10.54) |
| | 31-45 | 266.559 | 296.76 | 309.94 | -6.31 (-10.72; -2.15) |
| | 46-60 | 335.930 | 377.05 | 384.13 | -0.56 (-4.21; 3.06) |
| | 61-75 | 293.150 | 476.68 | 516.00 | -21.55 (-25.55; -17.75) |
| | 76-110 | 155.379 | 516.98 | 569.28 | -29.80 (-35.11; -24.37) |

PSM = Propensity Score Matching; 95% CI = 95% Confidence Interval; UP = uncoordinated patient; CP = coordinated patient

Appendix Table 3: Comparison of coordinated and uncoordinated patients with mental disorders of the first quarter 2011

| | Age | N | Costs of CP in € | Costs of UP in € | Difference after regression adjustment Mean (95% CI) |
|--|--------|--------|---------------------|---------------------|--|
| Amount claimed for specialists | 18-30 | 31,276 | 286.01 | 318.43 | -21.12 (-27.17; -15.01) |
| | 31-45 | 65,272 | 287.69 | 317.68 | -21.29 (-25.67; -16.99) |
| | 46-60 | 93,271 | 258.09 | 280.70 | -12.95 (-16.32; -9.22) |
| | 61-75 | 56,130 | 217.80 | 241.83 | -11.54 (-16.06; -6.88) |
| | 76-110 | 21,571 | 181.20 | 207.67 | -14.82 (-22.35; -7.14) |
| Amount claimed for GPs and specialists | 18-30 | 31,276 | 341.01 | 360.14 | -5.46 (-12.28; 0.58) |
| | 31-45 | 65,272 | 348.70 | 365.98 | -7.10 (-11.41; -2.75) |
| | 46-60 | 93,271 | 325.70 | 336.95 | -1.09 (-4.91; 2.38) |
| | 61-75 | 56,130 | 297.68 | 314.93 | -4.32 (-9.24; 0.35) |
| | 76-110 | 21,571 | 302.83 | 316.60 | -2.98 (-10.36; 4.65) |
| Prescribing costs | 18-30 | 31,276 | 112.05 | 128.55 | -9.82 (-14.12; -5.75) |
| | 31-45 | 65,272 | 176.60 | 195.61 | -9.18 (-12.14; -6.27) |
| | 46-60 | 93,271 | 218.53 | 240.77 | -10.08 (-12.46; -7.71) |
| | 61-75 | 56,130 | 271.80 | 315.07 | -8.18 (-11.31; -5.14) |
| | 76-110 | 21,571 | 338.20 | 347.43 | -7.20 (-12.71; -2.24) |
| Prescribing costs for psychotropic medication | 18-30 | 31,276 | 38.18 | 52.19 | -9.97 (-14.24; -5.66) |
| | 31-45 | 65,272 | 56.12 | 68.14 | -9.34 (-12.15; -6.51) |
| | 46-60 | 93,271 | 60.73 | 71.74 | -10.11 (-12.53; -7.89) |
| | 61-75 | 56,130 | 53.91 | 62.43 | -8.16 (-11.19; -5.01) |
| | 76-110 | 21,571 | 72.05 | 74.39 | -7.14 (-12.42; -2.39) |
| Total costs | 18-30 | 31,276 | 453.06 | 488.69 | -9.82 (-14.12; -5.75) |
| | 31-45 | 65,272 | 525.30 | 561.58 | -9.18 (-12.14; -6.27) |
| | 46-60 | 93,271 | 544.23 | 577.72 | -10.08 (-12.46; -7.71) |
| | 61-75 | 56,130 | 569.47 | 630.00 | -8.18 (-11.31; -5.14) |
| | 76-110 | 21,571 | 641.03 | 664.03 | -7.20 (-12.71; -2.24) |

PSM = Propensity Score Matching; 95% CI = 95% Confidence Interval; UP = uncoordinated patient; CP = coordinated patient