Supplementary Table 5: GP Analysis: Healthcare resource procedures from routine data

| **Procedure** | **Time frames for Routine Data Sets** | **All Patient**Mean (95% CI) (n) | **BASDAI Group**Mean (95% CI) (n) | **BASFI Group**Mean (95% CI) (n) | **AGE**Mean (95% CI) (n) |
| --- | --- | --- | --- | --- | --- |
| **BASDAI<40** | **BASDAI≥40** | **BASFI<40** | **BASFI≥40** | **Age<50** | **Age≥50** |
| **Average number of Diagnostic Procedures** | 3 months Recall Period | **0.10**(0.04-0.16) (150) | **0.09**(0.01-0.18) (65) | **0.11**(0.02-0.19) (85) | **0.08**(0.00-0.16) (64) | **0.12**(0.03-0.20) (86) | **0.06**(0.00-0.12) (65) | **0.13**(0.04-0.22) (85) |
| 1 year retrospective | **0.35**(0.24-0.46) (162) | **0.22**(0.09-0.35) (72) | **0.46**(0.29-0.62) (90) | **0.23**(0.09-0.36) (71) | **0.45**(0.29-0.61) (91) | **0.20**(0.07-0.34) (74) | **0.48**(0.31-0.64) (88) |
| 5 year retrospective | **1.45**(1.10-1.81) (176) | **0.96**(0.58-1.34) (80) | **1.86**(1.31-2.42) (96) | **0.81**(0.49-1.13) (80) | **1.99**(1.42-2.56) (96) | **0.94**(0.54-1.34) (84) | **1.92**(1.36-2.48) (92) |
| 6 months prospective | **0.18**(0.11-0.26) (158) | **0.15**(0.03-0.26) (68) | **0.21**(0.11-0.31) (90) | **0.13**(0.02-0.24) (69) | **0.22**(0.12-0.33) (89) | **0.13**(0.04-0.22) (71) | **0.23**(0.11-0.35) (87) |
| **Average number of Laboratory Procedures** | 3 months Recall Period | **0.85**(0.61-1.08) (150) | **0.69**(0.41-0.97) (65) | **0.96**(0.61-1.32) (85) | **0.59**(0.32-0.87) (64) | **1.03**(0.68-1.39) (86) | **0.62**(0.34-0.89) (65) | **1.02**(0.67-1.38) (85) |
| 1 year retrospective | **2.91**(2.22-3.60) (162) | **2.42**(1.57-3.22) (72) | **3.30**(2.25-4.35) (90) | **2.01**(1.21-2.82) (71) | **3.60**(2.55-4.65) (91) | **2.05**(1.21-2.90) (74) | **3.63**(2.58-4.67) (88) |
| 5 year retrospective | **11.76**(9.76-13.8) (176) | **9.76**(7.17-12.35) (80) | **13.42**(10.5-16.4) (96) | **8.8**(6.12-11.48) (80) | **14.22**(11.38-17.05) (96) | **8.14**(5.73-10.56) (84) | **15.05**(12.07-18.04) (92) |
| 6 months prospective | **1.63**(1.27-1.99) (158) | **1.31**(0.84-1.78) (68) | **1.88**(1.35-2.40) (90) | **1.06**(0.65-1.47) (69) | **2.08**(1.53-2.63) (89) | **1.01**(0.59-1.43) (71) | **2.14**(1.60-2.68) (87) |
| **Average number of Radiology** | 3 months Recall Period | **0.10**(0.04-0.16) (150) | **0.09**(0.01-0.18) (65) | **0.11**(0.03-0.18) (85) | **0.09**(0.01-0.18) (64) | **0.10**(0.03-0.18) (86) | **0.08**(0.00-0.16) (65) | **0.12**(0.04-0.20) (85) |
| 1 year retrospective | **0.31**(0.22-0.41) (162) | **0.26**(0.13-0.40) (72) | **0.36**(0.22-0.49) (90) | **0.23**(0.10-0.35) (71) | **0.38**(0.25-0.52) (91) | **0.27**(0.14-0.40) (74) | **0.35**(0.22-0.49) (88) |
| 5 year retrospective | **1.35**(1.08-1.63) (176) | **0.98**(0.07-1.28) (80) | **1.67**(1.23-2.10) (96) | **0.80**(0.55-1.05) (80) | **1.81**(1.37-2.26) (96) | **0.94**(0.65-1.23) (84) | **1.23**(1.28-2.18) (92) |
| 6 months prospective | **0.14**(0.08-0.20) (158) | **0.09**(0.02-0.16) (68) | **0.18**(0.09-0.26) (90) | **0.07**(0.01-0.14) (69) | **0.19**(0.10-0.28) (89) | **0.08**(0.02-0.15) (71) | **0.18**(0.09-0.27) (87) |
| **Average number of Preventive Procedure** | 3 months Recall Period | **0.44**(0.32-0.56) (150) | **0.34**(0.19-0.49) (65) | **0.52**(0.33-0.70) (85) | **0.36**(0.22-0.53) (64) | **0.49**(0.31-0.67) (86) | **0.28**(0.09-0.47) (65) | **0.56**(0.40-0.73) (85) |
| 1 year retrospective | **2.11**(1.66-2.56) (162) | **1.32**(0.94-1.70) (72) | **2.74**(2.01-3.48) (90) | **1.42**(0.98-1.86) (71) | **2.65**(1.93-3.36) (91) | **1.28**(0.80-1.77) (74) | **2.81**(2.11-3.51) (88) |
| 5 year retrospective | **7.76**(6.34-9.17) (176) | **5.31**(3.90-6.73) (80) | **9.79**(7.53-12.1) (96) | **4.95**(3.67-6.23) (80) | **10.09**(7.80-12.4) (96) | **4.99**(3.55-6.43) (84) | **10.28**(8.01-12.56) (92) |
| 6 months prospective | **1.53**(1.20-1.86) (158) | **1.04**(0.71-1.38) (68) | **1.90**(1.39-2.41) (90) | **0.84**(0.53-1.15) (69) | **2.07**(1.55-2.58) (89) | **0.94**(0.60-1.29) (71) | **2.01**(1.50-2.52) (87) |
| **Average number of Operative Procedure** | 3 months Recall Period | **0.11**(0.05-0.16) (150) | **0.08**(0.01-0.14) (65) | **0.13**(0.05-0.21) (85) | **0.06**(0.00-0.12) (64) | **0.14**(0.06-0.22) (86) | **0.06**(0.00-0.12) (65) | **0.14**(0.06-0.22) (85) |
| 1 year retrospective | **0.45**(0.33-0.57) (162) | **0.40**(0.24-0.57) (72) | **0.49**(0.32-0.66) (90) | **0.31**(0.16-0.46) (71) | **0.56**(0.39-0.73) (91) | **0.32**(0.19-0.46) (74) | **0.56**(0.38-0.74) (88) |
| 5 year retrospective | **2.60**(1.13-4.06) (176) | **1.46**(1.03-1.90) (80) | **3.54**(0.88-6.21) (96) | **1.10**(0.77-1.43) (80) | **3.84**(1.18-6.51) (96) | **1.25**(0.88-1.62) (84) | **3.83**(1.05-6.60) (92) |
| 6 months prospective | **0.34**(0.22-0.46) (158) | **0.24**(0.10-0.37) (68) | **0.41**(0.23-0.59) (90) | **0.17**(0.06-0.29) (69) | **0.46**(0.27-0.65) (89) | **0.28**(0.10-0.46) (71) | **0.38**(0.22-0.54) (87) |
| **Average number of Other Therapeutic Procedure** | 3 months Recall Period | **0.53**(0.40-0.66) (150) | **0.32**(0.70-0.44) (65) | **0.68**(0.48-0.89) (85) | **0.30**(0.17-0.43) (64) | **0.70**(0.50-0.90) (86) | **0.35**(0.20-0.51) (65) | **0.66**(0.46-0.85) (85) |
| 1 year retrospective | **2.48**(2.07-2.89) (162) | **1.61**(1.25-1.97) (72) | **3.18**(2.53-3.83) (90) | **1.44**(1.14-1.74) (71) | **3.30**(2.65-3.95) (91) | **2.04**(1.46-2.62) (74) | **2.85**(2.28-3.43) (88) |
| 5 year retrospective | **10.11**(8.68-11.53) (176) | **7.90**(5.72-10.08) (80) | **11.95**(10.1-13.8) (96) | **6.0**(4.96-7.04) (80) | **13.53**(11.27-15.79) (96) | **7.07**(5.63-8.52) (84) | **12.88**(10.62-15.14) (92) |
| 6 months prospective | **1.36**(1.10-1.62) (158) | **0.96**(0.64-1.27) (68) | **1.67**(1.29-2.04) (90) | **0.80**(0.54-1.05) (69) | **1.80**(1.41-2.19) (89) | **1.08**(0.76-1.41) (71) | **1.59**(1.20-1.97) (87) |