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| **Table 3**. Effect of adding census tract variables to individual-level data\* S.E. = Standard Error |
| **Individual level variable** | **WOMAC Pain at 2 years** | **WOMAC Function at 2 years** |
| **Individual-level data only** | **Census tract and individual-level data** | **Individual-level data only** | **Census tract and individual-level data** |
| **Estimate (S.E.\*)** | **p value** | **Estimate (S.E.)** | **p value** | **Estimate (S.E.)** | **p value** | **Estimate (S.E.)** | **p value** |
| **Age at surgery** | -0.03 (0.02) | 0.09 | -0.03 (0.02) | 0.08 | -0.14 (0.02) | 0.001 | -0.14 (0.02) | <0.0001 |
| **Sex (F v. M)** | -0.07 (0.42) | 0.86 | -0.05 (0.42) | 0.91 | -0.29 (0.47) | 0.53 | -0.27 (0.47) | 0.55 |
| **BMI** | -0.03 (0.04) | 0.39 | -0.03 (0.04) | 0.42 | -0.15 (0.04) | 0.001 | -0.15 (0.04) | 0.001 |
| **Race (black v. white)** | -2.85 (1.09) | 0.01 | -2.49 (1.11) | 0.02 | -3.74 (1.22) | 0.002 | -3.28 (1.24) | 0.008 |
| **Education (no college versus college or above)** | -0.55 (0.45) | 0.21 | -0.46 (0.45) | 0.31 | -0.83 (0.50) | 0.10 | -0.76 (0.51) | 0.13 |
| **Charlson-Deyo comorbidities (≥1 versus 0)** | -0.22 (0.48) | 0.65 | -0.21 (0.48) | 0.66 | -1.07 (0.54) | 0.048 | -1.06 (0.54) | 0.048 |
| **Insurance (Medicaid versus Medicare or other)** | -7.24 (2.00) | 0.0003 | -7.08 (2.00) | 0.0004 | -7.04 (2.23) | 0.0016 | -6.80 (2.24) | 0.002 |
| **Hospital Surgery Expectations score** | 0.06 (0.01) | <0.0001 | 0.06 (0.01) | <0.0001 | 0.12 (0.01) | <0.0001 | 0.12 (0.01) | <0.0001 |
| **WOMAC pain at baseline** | 0.14 (0.01) | <0.0001 | 0.14 (0.01) | <0.0001 | - | - | - | - |
| **WOMAC function at baseline** | - | **-** | - | **-** | 0.19 (0.01) | <0.0001 | 0.19 (0.01) | <0.0001 |
| **Percent of Medicaid Coverage at census-tract level****(<=10% versus >10%)** | - | - | 0.87 (0.04) | 0.067 | **-** | **-** | 1.17 (0.53) | 0.028 |