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| **Table S2. Estimated impact of social vulnerability, population density, and flooding inundation on Location of Medical Care Access during Hurricane Harvey, 2017, Houston and Metropolitan Dallas—Fort Worth, TX by ZCTA** |
|   |  Short Time Period (August 24 - September 8, 2017)  |  Long Time Period (August 24-September 29, 2017)  |
| Variable | Direct | *P* | Indirect | *P* | Total | *P* | Direct | *P* | Indirect | *P* | Total | *P* |
| Theme 1: Socioeconomic Status | 0.167 | 0.019 | 0.404 | 0.030 | 0.571 | 0.025 | 0.211 | 0.004 | 0.430 | 0.007 | 0.641 | 0.005 |
| Theme 2: Household Composition & Disability | -0.100 | 0.076 | -0.242 | 0.091 | -0.343 | 0.084 | -0.113 | 0.029 | -0.231 | 0.037 | -0.344 | 0.032 |
| Theme 3: Minority Status & Language | -0.017 | 0.767 | -0.040 | 0.764 | -0.057 | 0.764 | -0.076 | 0.236 | -0.154 | 0.246 | -0.230 | 0.241 |
| Theme 4: Housing Type & Transportation | 0.017 | 0.743 | -0.041 | 0.751 | -0.057 | 0.748 | 0.011 | 0.779 | 0.021 | 0.783 | 0.032 | 0.781 |
| Population Density per Square Mile | 0.000 | 0.006 | 0.000 | 0.010 | 0.000 | 0.008 | 0.000 | 0.002 | 0.000 | 0.003 | 0.000 | 0.002 |
| Flooding Inundation | 0.181 | 0.026 | 0.437 | 0.032 | 0.619 | 0.028 | 0.221 | 0.005 | 0.449 | 0.009 | 0.669 | 0.007 |
| Standard Error from EBK | 0.002 | 0.025 | 0.005 | 0.032 | 0.007 | 0.028 | 0.000 | 0.682 | 0.001 | 0.684 | 0.001 | 0.683 |
| ZCTA = zip code tabulation area; EBK = Empirical Bayesian Kriging |   |   |   |   |   |   |   |   |   |   |