First, we calculated HHI for each MDC group to evaluate the monopoly levels.

|  |  |  |  |
| --- | --- | --- | --- |
| MDC\_CAT\_NAME | GOVERNMENTAL | COMMERCIAL | DIFF |
| FEMALE REPRODUCTIVE | 0.471416 | 0.455713 | 0.015703 |
| MENTAL ILLNESS | 0.256449 | 0.289966 | 0.033517 |
| ALL OTHER | 0.302759 | 0.354327 | 0.051567 |
| SKIN AND BREAST | 0.221863 | 0.29415 | 0.072287 |
| MUSCULOSKELETAL | 0.252008 | 0.325263 | 0.073254 |
| INFECTION | 0.320308 | 0.399491 | 0.079183 |
| SUBSTANCE ABUSE | 0.353981 | 0.269462 | 0.084519 |
| EYE | 0.397924 | 0.3125 | 0.085424 |
| LIVER & PANCREAS | 0.245899 | 0.34303 | 0.097131 |
| DIGESTIVE | 0.244846 | 0.356847 | 0.112001 |
| INJURY, TOXIC EFFECTS | 0.29266 | 0.416597 | 0.123937 |
| RESPIRATORY | 0.220863 | 0.371057 | 0.150194 |
| KIDNEY & URINARY | 0.237754 | 0.39325 | 0.155496 |
| SPLEEN & BLOOD | 0.243267 | 0.414563 | 0.171297 |
| PREGNANCY, CHILDBIRTH AND THE PUERPERIUM | 0.280838 | 0.463093 | 0.182254 |
| EAR, NOSE & THROAT | 0.236531 | 0.431419 | 0.194888 |
| HEART & CIRCULATORY | 0.307557 | 0.533927 | 0.22637 |
| BURNS | 0.454545 | 0.722222 | 0.267677 |
| TRAUMA | 0.383657 | 0.652893 | 0.269236 |
| BRAIN AND CNS | 0.345702 | 0.660146 | 0.314444 |
| ENDOCRINE | 0.240419 | 0.559002 | 0.318583 |
| MALE REPRODUCTIVE | 0.298834 | 0.637551 | 0.338717 |
| LYMPHATIC | 0.412846 | 0.785277 | 0.372431 |
| HIV | 0.40625 | NA | NA |
| NEONATAL | NA | 0.475017 | NA |

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| --- | --- | --- | --- | --- |
| DRG | MDC\_NO | GOVERNMENTAL | COMMERCIAL | DIFF |
| 473 | 17 | 0.649306 | 0.3984 | -0.25091 |
| 414 | 17 | 0.625 | 0.68 | 0.055 |
| 357 | 13 | 0.529412 | 0.625 | 0.095588 |
| 356 | 13 | 0.5 | 0.68 | 0.18 |
| 540 | 17 | 0.315556 | 0.5 | 0.184444 |
| 492 | 17 | 0.333333 | 0.625 | 0.291667 |
| 354 | 13 | 0.262222 | 0.555556 | 0.293333 |
| 355 | 13 | 0.273438 | 0.625 | 0.351563 |