

OVERALL METRICS COMPARISON CHART

Fairness Metrics based on PlanScore's national district-level model of 2012-20 House/State Leg. results as a function of Presidential results (taking into account uncertainty)

| Fairness Metrics | | | | | | Population Statistics | Compactness Metrics | | |
|---|--|------------------------|--------------------------------|--------------|--|---|---|-------------|-------------|
| Plan | Efficiency Gap | Mean-Median Difference | Partisan Bias in Tied Election | Declination | # of Seats with Chance of 1+ Flip | 40%+ Black Districts (2019 CVAP) | Polsby-Popper | Reock | Convex Hull |
| Current U.S. Congressional Map for Michigan | -6.70% | -2.70% | -10.30% | -0.21 | 6 | 2 | 0.22 | 0.35 | 0.69 |
| PTV Final U.S. Congressional Map for Michigan | -1.30% | -0.70% | -3.50% | -0.06 | 8 | 2 | 0.44 | 0.46 | 0.81 |
| Current Michigan State Senate Map | -6.90% | -3.70% | -8.00% | -0.28 | 4 | 5 | 0.34 | 0.4 | 0.74 |
| PTV Final - Michigan State Senate Map | -0.30% | -0.50% | -1.60% | -0.04 | 9 | 7 | 0.41 | 0.41 | 0.81 |
| Current Michigan State House Map | -8.20% | -4.10% | -9.40% | -0.42 | 29 | 13 | 0.35 | 0.39 | 0.77 |
| PTV Final - Michigan State House Map | -2.30% | -1.20% | -3.20% | -0.13 | 34 | 19 | 0.43 | 0.4 | 0.8 |
| | Note: Fair maps will be close to zero on the Efficiency Gap, Mean-Median Diff., Bias, and Declination metrics. Negative fairness metrics are pro-Republican and positive numbers are pro-Democratic. | | | | Larger values indicate increased overall fairness. | Based on Black-alone and Black/White 2-race. Larger values indicate greater equity. | Larger values indicate increased compactness. | | |