

Online Appendix

Interventions for an Artemisinin-Based Malaria Medicine Supply Chain

This appendix contains sensitivity figures for parameters that are not included in the paper.

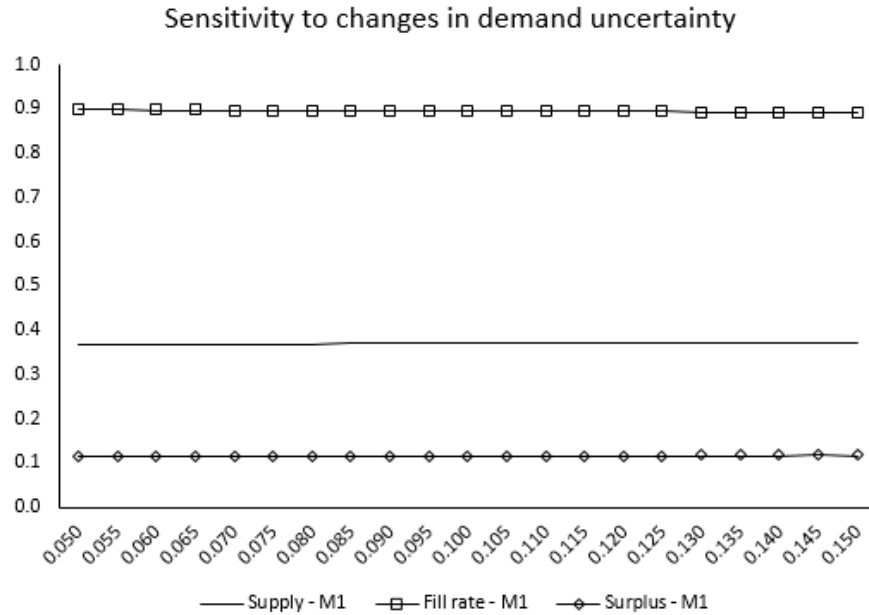


Figure A1: Sensitivity of total supply, fill rate, and supplier surplus to changes in demand uncertainty (σ_1). Results are not reported for demand model M2 because demand uncertainty does not affect the system.

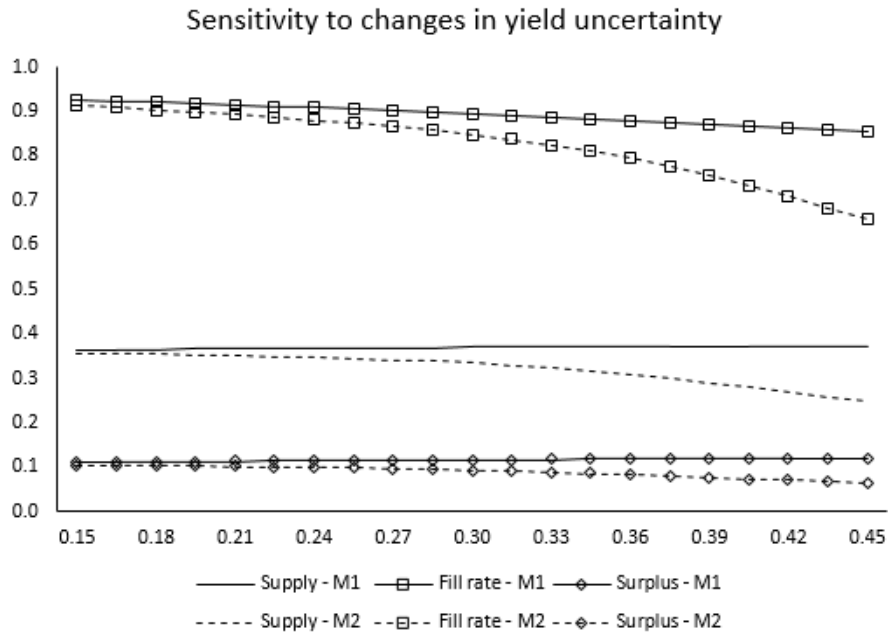


Figure A2: Sensitivity of total supply, fill rate, and supplier surplus to changes in yield uncertainty (σ_2).

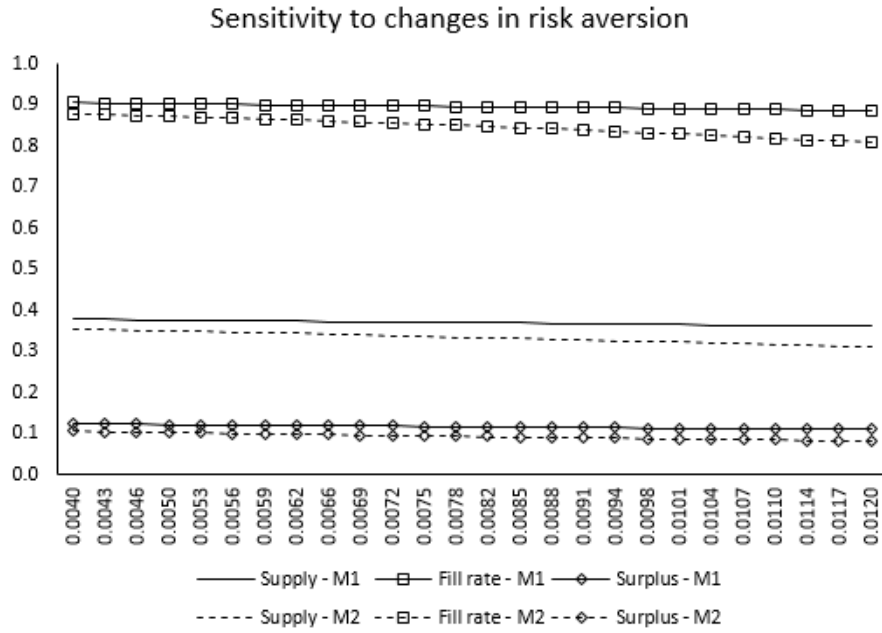


Figure A3: Sensitivity of total supply, fill rate, and supplier surplus to changes in supplier risk aversion (γ).

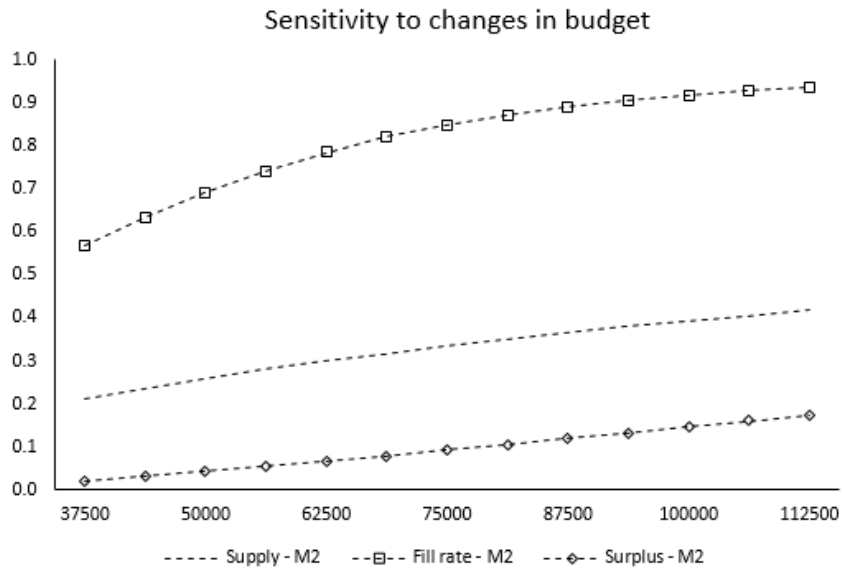


Figure A4: Sensitivity of total supply, fill rate, and supplier surplus to changes in budget (b). Results are not reported for demand model M1 because the budget does not affect the system.

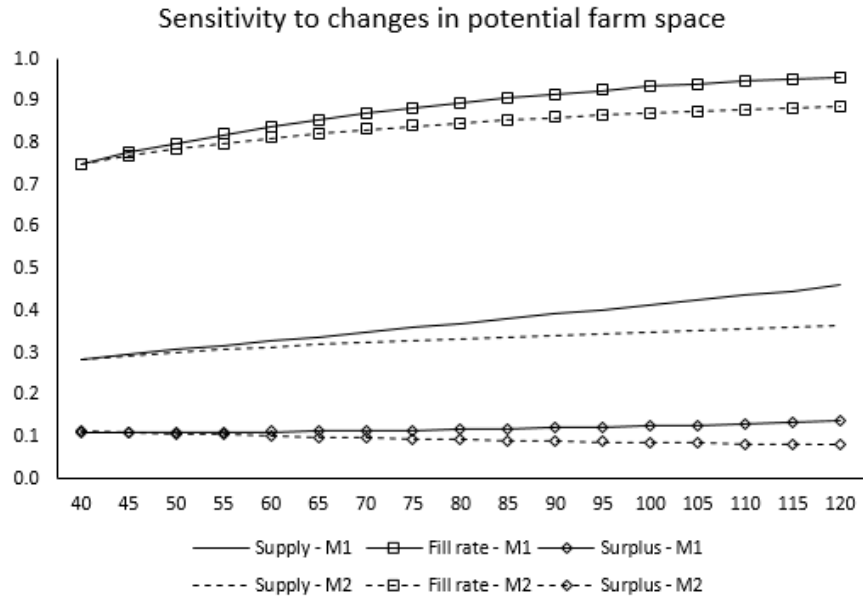


Figure A5: Sensitivity of total supply, fill rate, and supplier surplus to changes in potential farm space (c).

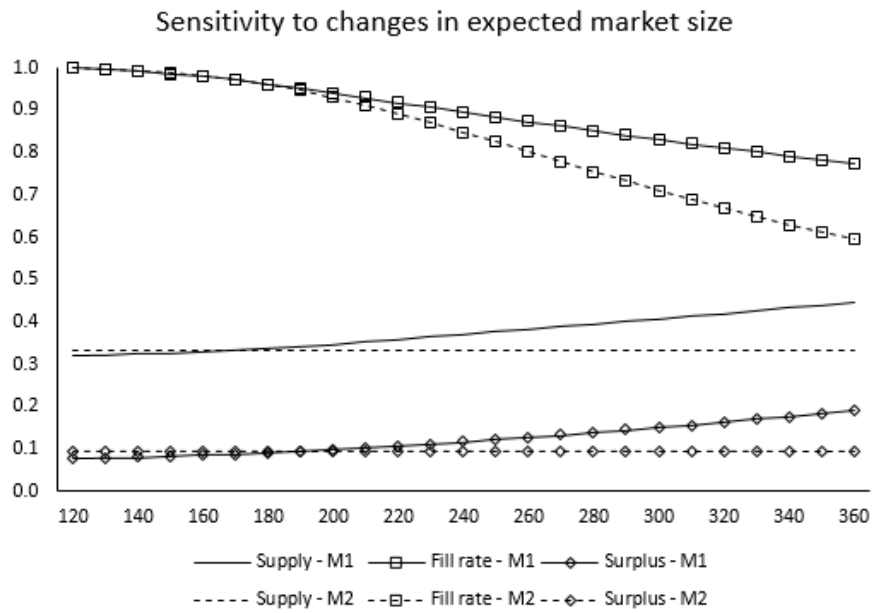


Figure A6: Sensitivity of total supply, fill rate, and supplier surplus to changes in expected market size (μ_1).

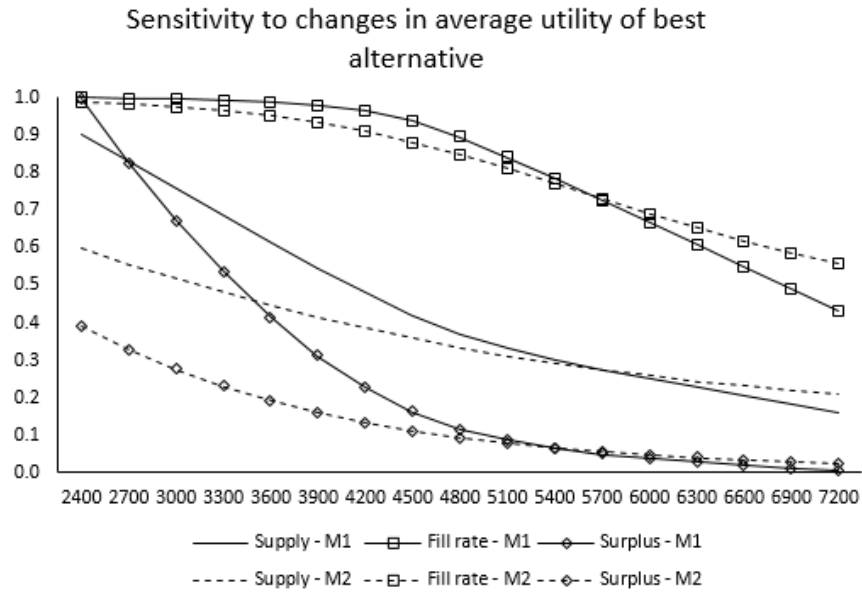


Figure A7: Sensitivity of total supply, fill rate, and supplier surplus to changes in average utility of the best alternative (μ_b).

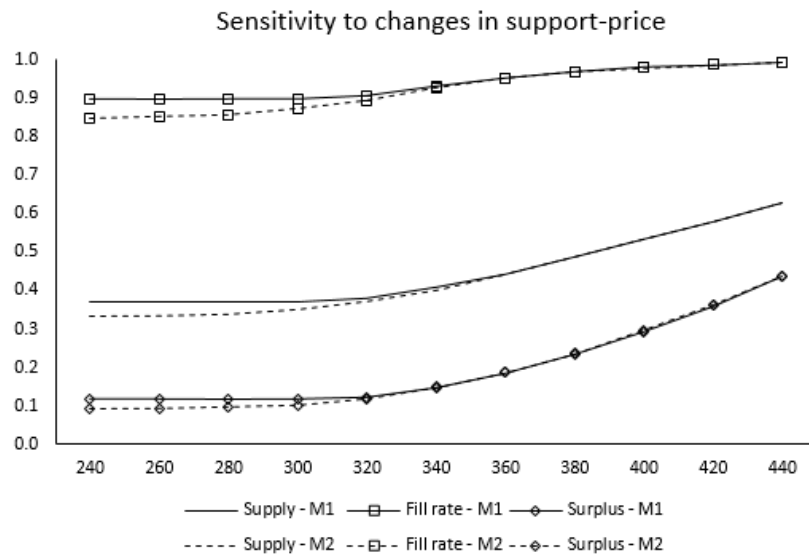


Figure A8: Sensitivity of total supply, fill rate, and supplier surplus to changes in the support-price (p_0). The average total spend ranges for \$73m (base-case value) to \$105m for M1 and \$75m to \$175m for M2 as the support-price ranges from \$240 to \$440.