**Online Supplement to**

**Telemedicine Adoption Before, During**, **and After COVID-19: The Role of Socioeconomic and Built Environment Variables**

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In this online supplement, we present the results of the effects on the propensity that each reason acts as a telemedicine facilitator or deterrent for a randomly selected individual from the population. Tables 1 and 2 below display these effects along with their corresponding t-statistics, which were excluded from the main manuscript for conciseness.

**Table 1. Telemedicine Adoption Facilitator Reasons Model Estimation Results**

| **Explanatory Variables** | **Telemedicine Adoption Facilitator Reasons** |
| --- | --- |
| *(base category)* | **DIPA** | **TC** | **TP** | **TS** | **CH** | **LCR** | **LE** | **FCO** |
|  | **Coef.** | **t-stat** | **Coef.** | **t-stat** | **Coef.** | **t-stat** | **Coef.** | **t-stat** | **Coef.** | **t-stat** | **Coef.** | **t-stat** | **Coef.** | **t-stat** | **Coef.** | **t-stat** |
| **Individual/Household Sociodemographics** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Gender** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Woman *(base: man)* | 0.238 | 1.70 | 0.164 | 1.42 |  |  |  |  |  |  | 0.314 | 3.10 | -0.298 | -2.43 |  |  |
| **Lifecycle variables** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Presence of children *(base: no children)*  | 0.290 | 1.95 |  |  | 0.237 | 1.62 |  |  |  |  |  |  |  |  | 0.278 | 1.91 |
| **Race** *(base: white)* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Non-white |  |  |  |  | 0.304 | 2.12 |  |  | -0.177 | -1.51 |  |  |  |  | 0.250 | 1.67 |
| **Age** *(base: 50 years or younger)* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 51 to 60 years old |  |  |  |  | 0.446 | 3.22 |  |  |  |  | 0.356 | 3.00 |  |  |  |  |
|  61 years or older |  |  |  |  | 0.446 | 3.22 | -0.254 | -2.15 |  |  | 0.356 | 3.00 |  |  |  |  |
| **Formal education level** *(base: < Bachelor’s degree)* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Bachelor’s degree or higher |  |  | 0.431 | 2.14 |  |  |  |  |  |  |  |  |  |  |  |  |
| **Household Income** *(base: less than $75,000)* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| $75,000 to $99,999 |  |  |  |  | -0.463 | -2.49 | 0.254 | 1.78 | -0.264 | -1.49 |  |  |  |  |  |  |
| $100,000 to $149,999 | -0.267 | -1.79 |  |  | -0.501 | -2.98 | 0.254 | 1.78 | -0.264 | -1.49 |  |  |  |  |  |  |
| $150,000 to $199,999 | -0.267 | -1.79 |  |  | -0.420 | -2.25 | 0.254 | 1.78 | -0.264 | -1.49 |  |  |  |  |  |  |
| $200,000 or more | -0.267 | -1.79 | 0.516 | 2.07 | -0.420 | -2.25 | 0.254 | 1.78 | -0.264 | -1.49 |  |  |  |  |  |  |
| **Income change** *(base: no change or increase)* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Income decreased during COVID | 0.304 | 1.32 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Number of motorized vehicles** *(base: ≥1 vehicle)* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 0 vehicles | 0.785 | 3.94 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Employment Characteristics** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Employment status** *(base: not employed)* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Employed full-time or part-time  | -0.459 | -3.31 |  |  | 0.503 | 3.21 |  |  | -0.363 | -3.18 |  |  |  |  |  |  |
| **Telework arrangements** *(base: no telework or telework less than once a week)* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Telework daily |  |  |  |  |  |  |  |  | 0.232 | 1.85 | 0.214 | 1.82 |  |  |  |  |
| Telework multiple times per week |  |  |  |  |  |  |  |  | 0.232 | 1.85 | 0.214 | 1.82 |  |  |  |  |
| **Student** *(base: not student)* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Student |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0.352 | 1.90 |
| **Commute mode** *(base: not car)* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Car |  |  | -0.249 | -2.08 |  |  |  |  |  |  |  |  |  |  |  |  |
| **Personal Traits** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Enjoy working from home *(base: do not enjoy)* | 0.235 | 1.78 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Residential Attributes** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Access to healthcare services** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| # of physicians’ offices in zip code *(count variable)* | -0.005 | -1.43 |  |  | -0.004 | -1.54 |  |  |  |  |  |  |  |  |  |  |
| **Census region** *(base: Northeast)* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Midwest |  |  | 0.216 | 1.50 | -0.303 | -1.68 |  |  |  |  |  |  |  |  |  |  |
| South |  |  |  |  | -0.303 | -1.68 |  |  |  |  |  |  |  |  |  |  |
| West |  |  |  |  | -0.484 | -2.57 |  |  |  |  |  |  |  |  |  |  |
| **Threshold 0|1** | 1.024 | 4.09 | -0.606 | -2.09 | 0.323 | 1.03 | -0.060 | -0.39 | -0.149 | -0.65 | 0.323 | 1.72 | 0.705 | 2.13 | 1.004 | 4.60 |

DIPA - Getting to medical appointments is difficult for me; PTQ - The quality of care is worse; TC - Telemedicine is more convenient for me; NIPT - Most of my medical appointments require in-person tests or procedures; TP - I like the privacy offered by telemedicine; TNA - I do not expect my healthcare provider to offer telemedicine; TS - I do not have to wait as long; POP - I like the privacy of a healthcare provider's office; CH - My home is more comfortable than a healthcare provider's office; IPC - In-person appointments are more convenient; LCR - I do not have to risk getting sick from others in a healthcare provider's office; NTC - I am not confident using technology to access my appointments; LE - Telemedicine is cheaper; TSC - I am concerned about security with telemedicine; FCO - I can go see healthcare providers more often

**Table 2. Telemedicine Adoption Deterrent Reasons Model Estimation Results**

| **Explanatory Variables** | **Telemedicine Adoption Deterrent Reasons** |
| --- | --- |
| **PTQ** | **NIPT** | **TNA** | **POP** | **IPC** | **NTC** | **TSC** |
| **Coef.** | **t-stat** | **Coef.** | **t-stat** | **Coef.** | **t-stat** | **Coef.** | **t-stat** | **Coef.** | **t-stat** | **Coef.** | **t-stat** | **Coef.** | **t-stat** |
| **Individual/Household Sociodemographics** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Gender** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Woman *(base: man)* | -0.279 | -2.78 |  |  |  |  |  |  |  |  |  |  |  |  |
| **Lifecycle variables** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Presence of children *(base: no children)* | 0.191 | 1.47 |  |  |  |  |  |  | 0.287 | 2.40 |  |  |  |  |
| **Race** *(base: white)* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Non-white |  |  |  |  |  |  |  |  | 0.283 | 2.43 |  |  |  |  |
| **Age** *(base: 40 years or younger)* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 41 to 50 years |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 51 to 60 years old |  |  |  |  |  |  |  |  |  |  | 0.209 | 1.26 |  |  |
|  61 years or older |  |  | 0.182 | 1.38 |  |  |  |  | 0.202 | 2.07 | 0.209 | 1.26 |  |  |
| **Formal education level** *(base: < Bachelor’s degree)* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Bachelor’s degree or higher | 0.354 | 2.43 |  |  |  |  |  |  | -0.274 | -2.41 |  |  |  |  |
| **Household Income** *(base: less than $25,000)* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| $25,000 to $74,999 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| $75,000 to $99,999 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| $100,000 to $149,999 |  |  |  |  |  |  |  |  | -0.186 | -1.81 | -0.271 | -1.57 | -0.277 | -2.03 |
| $150,000 to $199,999 | 0.201 | 1.35 |  |  |  |  |  |  | -0.186 | -1.81 | -0.422 | -1.64 | -0.277 | -2.03 |
| $200,000 or more | 0.201 | 1.35 |  |  | 0.323 | 1.50 |  |  | -0.186 | -1.81 | -0.651 | -2.13 | -0.277 | -2.03 |
| **Employment Characteristics** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Employment status** *(base: not employed)* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Employed full-time or part-time  |  |  | -0.252 | -2.62 |  |  |  |  |  |  |  |  |  |  |
| **Telework arrangements** *(base: no telework or telework less than once a week)* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Telework daily |  |  |  |  |  |  | -0.195 | -1.44 | -0.345 | -2.21 |  |  |  |  |
| Telework multiple times per week |  |  |  |  |  |  | -0.195 | -1.44 | -0.345 | -2.21 |  |  |  |  |
| **Personal Traits** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Enjoy working from home *(base: do not enjoy)* |  |  |  |  |  |  | -0.203 | -1.45 |  |  |  |  | -0.222 | -1.25 |
| **Residential Attributes** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Access to healthcare services** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| # of physicians’ offices in zip code > 3 *(categorical variable)* |  |  |  |  |  |  |  |  | 0.002 | 1.61 |  |  |  |  |
| **Census Region** *(base: Northeast)* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Midwest |  |  |  |  | -0.247 | -1.63 |  |  |  |  |  |  |  |  |
| South | -0.269 | -2.31 |  |  |  |  |  |  |  |  |  |  |  |  |
| West |  |  |  |  | -0.243 | -1.86 |  |  |  |  |  |  |  |  |
| **Threshold 0|1** | 1.026 | 3.52 | -0.212 | -1.62 | 1.221 | 5.16 | 0.346 | 2.56 | -0.164 | -0.96 | 0.839 | 3.79 | 0.966 | 4.37 |

DIPA - Getting to medical appointments is difficult for me; PTQ - The quality of care is worse; TC - Telemedicine is more convenient for me; NIPT - Most of my medical appointments require in-person tests or procedures; TP - I like the privacy offered by telemedicine; TNA - I do not expect my healthcare provider to offer telemedicine; TS - I do not have to wait as long; POP - I like the privacy of a healthcare provider's office; CH - My home is more comfortable than a healthcare provider's office; IPC - In-person appointments are more convenient; LCR - I do not have to risk getting sick from others in a healthcare provider's office; NTC - I am not confident using technology to access my appointments; LE - Telemedicine is cheaper; TSC - I am concerned about security with telemedicine; FCO - I can go see healthcare providers more often