SUPPLEMENTAL DIGITAL CONTENT (APPENDIX)

**Section A1: Sample Construction**

**Appendix Figure A1**

**Medicaid Enrollees**

**Jan 2020 – July 2020**

4,401,041 Total Enrollees

220,159,045 Claims

4,388,751 Enrollees

12,290 excluded because missing county data

2,849,891 Enrollees

1,538,860 excluded because not continuously enrolled from Jan 2019 look-back period through July 2020

2,372,359 Enrollees

96,224,355 Claims

477,532 excluded because not enrolled in Medicaid Managed Care**\***

**\*These enrollees were excluded since Medicaid only covers a portion of services for the majority of enrollees in fee-for-service Medicaid. Nearly 90% of Medicaid enrollees in the state of Florida are enrolled in Medicaid Managed Care during our time frame. Per Title XXX, Chapter 409, Section 965 of the Florida Statutes, Medicaid recipients are exempted from the managed care program if they are in the following groups: (1) women eligible only for family planning services, (2) women eligible only for breast and cervical cancer services, or (3) persons eligible for emergency Medicaid for aliens. Other select groups of enrollees, such as those with intellectual or developmental disabilities, are not required to enroll in Medicaid Managed Care, but may choose to do so.**

**Section A2: Methodology**

***Codes Used to Identify Any Telemedicine Billing
[Full list of codes used in Table 1, Figure 1, Figure A1, and Figure A2]***

* Place of Service = 02 (telemedicine per CMS billing) OR
* Modifier code = GQ, GT, CR, or 95 OR
* Procedure code = **98966, 98967, 98968,** 99421, 99423, 99441, 99442, 99443, G0406, G0407, G0408, G0425, G0426, G0427, G0508, G0509, G2010, G2012, G2061, G2062, or G2063

***Subset of Codes Used to Identify Audio-Visual Telemedicine Billing
[Codes used to identify audio-visual telemedicine in Figure 2, and Figure 3******]***

* Modifier code = GT or 95 **OR**
* Procedure code = G0508, G0509, G2061, G2062, G2063

***Subset of Codes Used to Identify Audio-Only Telemedicine Billing
[Codes used to identify audio-only telemedicine in Figure 2, and Figure 3******]***

* Modifier code = CR only **OR**
* Procedure code = 98966, 98967, 98968, 99441, 99442, 99443

***Subset of Telemedicine Codes that Cannot be Classified as Audio-Visual or Audio-Only\*
[Codes that were excluded from Figure 2 and Figure 3, but were included in Table 1, Figure 1, Figure A1, and Figure A2]***

* **Place of Service = 02 (telemedicine per CMS billing) OR**
* **Modifier code = GQ**
* **Procedure code = 99421, 99423, G0406, G0407, G0408, G0425, G0426, G0427G2010, G2012**

***\*Note: In some cases a code that could be classified as audio-visual or audio-only telemedicine would appear on the same claim as a telemedicine code that could not be classified as audio-visual or audio-only. In these cases, we would consider the claims as classifiable as audio-only or audio-visual. For instance, a claim might have a place of service ‘02’ and a ‘CR’ modifier code, indicating an audio-only telemedicine visit. In this example, we would classify the claim as an audio-only telemedicine claim.***

***ICD-10 Diagnosis Codes Used to Identify Chronic Conditions***

We use the following diagnosis code prefixes for each chronic condition:

* Diabetes: E08, E09, E10, E11, E13
* Psychiatric conditions (depression and anxiety): F0631, F0632, F32, F33, F341, F064, F40, F41
* Heart disease: I09, I11, I13, I2, I3, I4, Z450
* Addiction disorders: F10, F11, F12, F13, F14, F15, F16, F17, F18, F19

Appendix Figure A2

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|  | **Source** Authors’ own calculations using Florida’s Medicaid Managed Care administrative records, **January** 2019-**July** 2020.  |  |  |  |  |  |
|  | **Notes** Graph shows the total number of visits and number of in-person visits for outpatient services, Emergency Department (ED) services, pharmacy services, and inpatient services.Shaded regions correspond to periods in which the United States was in a recession as dated by the National Bureau of Economic Research. |