Supplemental Digital Appendix 1

Department of Mental Health Services Development Timeline, Indiana University School of Medicine

A timeline of key program development events over 4 academic years (2017-2021). All events related to staffing are shown above the line, other development events are shown below the line.

Abbreviations: ASST, assistant; ADMIN, administrative; EMR, electronic medical record; LCME, Liaison Committee on Medical Education.
Supplemental Digital Appendix 2

Correlation of Monthly Patient Visits With Staffing Levels, as Measured by Clinical FTE, Department of Mental Health Services
Development Timeline, Indiana University School of Medicine
Correlation of Monthly Patient Visits with Staffing Levels as Measured by Clinical FTE.

Total monthly visit counts (from monthly data available from July of 2018 through June of 2021) mapped with monthly clinical staff FTE totals.

Shift to 100% telehealth due to the COVID pandemic represented by the COVID-19 virus illustration in March of 2020. Transition to a new electronic medical record in November 2020 represented by the computer illustration. Abbreviation: FTE, full time equivalent.
Supplemental digital content for Hasan S, Pozdol SL, Nichelson BK, Cunningham SJ, Lasek DG, Dankoski ME. The Development of a Comprehensive Mental Health Service for Medical Trainees. Acad Med.

Supplemental Digital Appendix 3

Monthly Patient Counts Across Academic Years 2018–2021, Department of Mental Health Services, Indiana University School of Medicine
Utilization of DMHS services portrayed through monthly patient count totals for each of 3 consecutive academic years, 2018-2021, for which monthly data is available. Abbreviation: AY, academic year.
Supplemental Digital Appendix 4

Monthly Visit Counts Across Academic Years 2018–2021, Department of Mental Health Services, Indiana University School of Medicine

Utilization of DMHS services portrayed through monthly visit count totals for each of 3 consecutive academic years, 2018-2021, for which monthly data is available. Abbreviation: AY, academic year.
# Supplemental Digital Appendix 5

## Department of Mental Health Services and Local Resource Utilization by Indiana University School of Medicine Campuses: Academic Year 2020–2021

| Campus          | Seen by DMHS | Medical Students at campus | DMHS Utilization Rate (%)<sup>a</sup> | Local Resource<sup>b</sup>                  | Seen by Local Resource (%)<sup>c</sup> |
|----------------|--------------|----------------------------|-------------------------------------|---------------------------------------------|----------------------------------------|
| Bloomington     | 27           | 90                         | 30<sup>d</sup>                      | CAPS Bloomington                            | None                                   |
| Evansville      | 15           | 80                         | 19<sup>e</sup>                      | U. of Evansville Counseling Center           | 5 (6%)                                 |
| Fort Wayne      | 16           | 87                         | 18<sup>d</sup>                      | Bowen Center                                | None                                   |
| Indianapolis    | 280          | 828                        | 34                                  | IUPUI CAPS                                   | 7 (1%)                                 |
| Muncie          | 18           | 56                         | 32<sup>d</sup>                      | Ball State U. Counseling Center              | None                                   |
| Northwest-Gary  | 24           | 75                         | 32<sup>f</sup>                      | Dr. Frampton and Associates                 | 19 (25%)                               |
| South Bend      | 18           | 90                         | 20<sup>e</sup>                      | IU South Bend Counseling Center              | 11 (12%)                               |
| Terre Haute     | 23           | 77                         | 30<sup>d</sup>                      | ISU Counseling Center                        | NA                                     |
| West Lafayette  | 9            | 58                         | 16<sup>e</sup>                      | Dr Colleen Maguire-Jackson/Purdue U. College of | 6 (10%)                                |
| Regional campus trainees | Total | Veterinary Medicine |
|------------------------|-------|---------------------|
|                        | 430   | 1441                |
|                        | 150   | 613                 |

^a Depending on the campus, a 30 min DMHS intake appointment might be conducted prior to treatment initiation at the regional campus (e.g., Northwest-Gary). Therefore, DMHS utilization included trainees receiving ongoing services as well as those referred to their local resource.

^b Individualized arrangements exist for many of the regional campuses with offices typically located either within the host university counseling center or in another mental health clinic space (not in a medical campus administrative building). Availability of mental health resources varied widely depending on the location of the campus within the state of Indiana.

^c Local resource utilization varied widely and likely reflected the individualized arrangements. Local and DMHS utilization rates may or may not be additive depending on whether a given trainee used both services.

^d The Bloomington, Muncie, and Terre Haute campuses show rates of DMHS use comparable to the Indianapolis campus with no reported (or available) use of the local service-indicating a shift to use of DMHS. The Fort Wayne campus had no reported usage of the local resource but also had a lower DMHS usage rate with no shift to increased use of DMHS. No definitive explanation is available, but this difference may reflect accessibility and/or concerns about use of services.

^e The Evansville, South Bend, and West Lafayette campuses had local resources identified that students used directly typically without an initial DMHS intake appointment. Additive utilization rates (Evansville (25%), South Bend (32%), West Lafayette (26%)), while an approximation, may more accurately represent overall utilization of mental health services.

^f The Northwest-Gary campus has a local resource (private practice) contracted through DMHS in which intakes are first completed by DMHS before referral to this practice. The DMHS utilization rate for this campus reflects both local resource utilization as well as ongoing use of services through DMHS and is similar to the Indianapolis campus rate.

^g Abbreviations: DMHS, Department of Mental Health Services; IUSM, Indiana University School of Medicine; CAPS, Counseling and Psychological Services; IUPUI, Indiana University-Purdue University, Indianapolis; IU, Indiana University; ISU, Indiana State University