

Massachusetts Primary Care Expenditures: 2021

October 2023

Technical Appendix



Massachusetts Primary Care Expenditures: 2021 (October 2023)

TECHNICAL APPENDIX

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Massachusetts Primary Care Expenditures Report: 2021

TECHNICAL APPENDIX

Data Source

Primary care data for calendar year 2021 was submitted by private payers for their commercial, Medicaid MCO/ACO-A, Medicare Advantage, and dually eligible lines of business as part of CHIA's Primary Care and Behavioral Health (PCBH) data collection. Data was reported at the managing physician group level for Massachusetts residents.

Primary Care Allocation Methodology

In accordance with the data specifications issued by CHIA, payers used a hierarchical model to allocate medical claims spending into mutually exclusive spending categories under service types of behavioral health, primary care, and all other services. Behavioral health spending was defined by identifying medical claims with a principal behavioral health diagnosis (ICD-10) and using combinations of procedure codes, place of service (POS) or revenue codes, and provider types to sequentially allocate spending into the behavioral health service categories. Medical claims spending that did not meet the logic to be allocated to the behavioral health service categories and claims without a principal behavioral health diagnosis were then allocated sequentially through the primary care specific service categories. **Primary care spending was defined using a list of procedure codes delivered by specific provider types deemed primary care.** All medical claims spending that did not fall into the behavioral health or primary care service types was then allocated to all other services service categories. Spending that was attributed to behavioral health based on the data specifications was aggregated with all other services spending for the purposes of reporting total spending in this report. See CHIA's Annual Report on the Performance of the Massachusetts Health Care System for additional information on spending for behavioral health. The underlying procedure code list and list of primary care providers used to define primary care spending were updated between collection cycles; primary care data presented in this report is not comparable to previously published data.

Payment Allocation Methodology

Identify claims with a principal behavioral health diagnosis

Based on ICD-10 diagnosis code in excel reference file

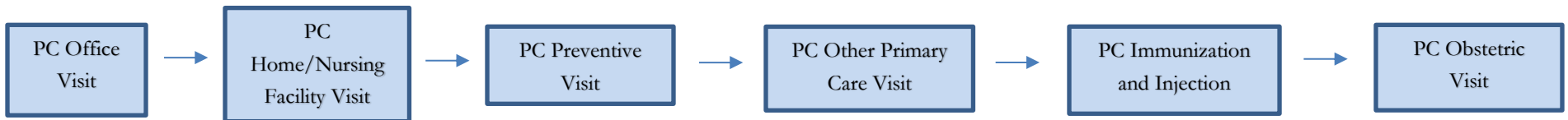
Allocate spending for the claim **sequentially** through the Behavioral Health specific service categories based on code sets/logic:



Note: Behavioral Health allocations are based on combinations of CPT and Revenue codes, POS codes, as well as Provider Types.

All Claims Spending not previously allocated above, plus claims without a principal behavioral health diagnosis

Allocate spending for the claim **sequentially** through the Primary Care specific service categories based on code sets/logic:



All Claims Spending not previously allocated above to Behavioral Health or Primary Care

Other Medical

Other



Non-Claims Payments

Allocate non-claims payments into the below categories by service type. If non-claims cannot be separated into Behavioral Health or Primary Care, the "All Other" service type should be used in combination with the spending categories below. For payments that may combine or be related to the provision of both primary care and behavioral health services, payers may apportion or allocate payments into the primary care and behavioral health service types; these payments should not be double counted. Alternately, the "all other services" categories may be used.

Non-Claims:
Incentive Payments

Non-Claims:
Capitation

Non-Claims:
Risk Settlements

Non-Claims: Care
Management

Non-Claims:
Other



Pharmacy Claims



Allocate pharmacy claims spending based on NDC code list:

BH Prescription Drugs



Other Prescription Drugs

Primary Care Service Codes

For claims not identified as Behavioral Health

| Measure Category | Specifications |
|-------------------------------------|---|
| Office Type Visits | Report payer paid and member cost-share amounts only for claim lines for Professional claims with CPT codes in (99201-99205, 99211-99215, 99241-99245, 99354-9935, 99358-99359, 99421-99423, 99441-99444, 99446-99449, 99451-99454, 99473, 99457-99458, 99474, 99483, 99487, 99489-99491, 99495-99498, 96110, 96112-96113, 96160-96161, 96372-96374, 98960-98962, 98966-98969, 99050-99051, 99056, 99058, 99078, 99173, 99366-99368, 99374-99375, 99377-99380, G0396-G0397, G0463, G0473, G0506, G2010, G2064-G2065, S9117) with a primary care provider |
| Home/Nursing Facility Visits | Report payer paid and member cost-share amounts only for claim lines for Professional claims with CPT codes in (99304-99310, 99315-99316, 99318, 99324-99328, 99334-99337, 99339-99345, 99347-99350, 99502, 99506, G0179-G0182) with a primary care provider |
| Preventive Visits | Report payer paid and member cost-share amounts only for claim lines for Professional claims with CPT codes in (11976, 11981-11983; 57170; 58300-58301; 99173; 99381-99387; 99391-99397; 99401-99404; 99406-99409; 99411-99412; 99429; G0473; Q0091; S0610; S0612-S0613; S4981) with a primary care provider |
| Immunizations and Injections | Report payer paid and member cost-share amounts only for claim lines for Professional claims with CPT codes in (90281; 90283-90284; 90287-90288; 90291; 90296; 90371; 90375-90378; 90384-90386; 90389; 90393; 90396; 90399; 90460-90461; 90471-90474; 90746-90747; 90581; 90585-90587; 90619-90621; 90625; 90630; 90632; 90633-90634; 90636; 90644; 90647; 90648-90651; 90653-90658; 90660-90662; 90664; 90666-90668; 90670; 90672-90676; 90680-90682; 90685-90691; 90694; 90696-90698; 90700; 90702; 90707; 90710; 90713-90717; 90723; 90732-90734; 90736; 90738-90740; 90743-90744; 90745-90750; 90756; G008-G0010; Q2034-Q2039) with a primary care provider |

| Measure Category | Specifications |
|----------------------------------|---|
| Obstetric Visits | Report payer paid and member cost-share amounts only for claim lines for Professional claims with CPT codes in (59400; 59409-59410; 59425-59426; 59430; 59510; 59515; 59610; 59614-59515; 59610; 59612; 59614; 59618;59620; 59622; 99460-99465) with a primary care provider |
| Other Primary Care Visits | Report payer paid and member cost-share amounts only for claim lines for Professional claims with HCPCS codes in (G0101-G0106; G0117-G0118; G0120-G0124; G0141; G0143-G0145; G0147-G0148; G0327-G0328; G0402-G0405; G0433; G0435; G0438-G0439; G0442-G0444; G0447; G0466-G0468; G0472; G0475-G0476; G0499; G0511; G0513-G0514; T1015; T2024) with a primary care provider |

Primary Care Provider Types

| Taxonomy | Practitioner Type | Provider Type |
|------------|--|-------------------------|
| 207QA0000X | Adolescent Medicine (Family Medicine) Physician | Professional: Physician |
| 207RA0000X | Adolescent Medicine (Internal Medicine) Physician | Professional: Physician |
| 364SA2200X | Adult Health Clinical Nurse Specialist | Professional: Other |
| 363LA2200X | Adult Health Nurse Practitioner | Professional: Other |
| 207QA0505X | Adult Medicine Physician | Professional: Physician |
| 367A00000X | Advanced Practice Midwife[1] | Professional: Other |
| 261QB0400X | Birthing Clinic/Center[1] | Professional: Other |
| 364S00000X | Clinical Nurse Specialist | Professional: Other |
| 261QC1500X | Community Health Clinic/Center | Professional: Other |
| 363LC1500X | Community Health Nurse Practitioner | Professional: Other |
| 163WC1500X | Community Health Registered Nurse | Professional: Other |
| 364SC1501X | Community Health/Public Health Clinical Nurse Specialist | Professional: Other |
| 282NC0060X | Critical Access Hospital | Professional: Other |
| 261QC0050X | Critical Access Hospital Clinic/Center | Professional: Other |
| 207Q00000X | Family Medicine Physician | Professional: Physician |
| 363LF0000X | Family Nurse Practitioner | Professional: Other |

| Taxonomy | Practitioner Type | Provider Type |
|------------|--|-------------------------|
| 261QP0904X | Federal Public Health Clinic/Center | Professional: Other |
| 261QF0400X | Federally Qualified Health Center (FQHC) | Professional: Other |
| 208D00000X | General Practice Physician | Professional: Physician |
| 163WG0000X | General Practice Registered Nurse | Professional: Other |
| 207QG0300X | Geriatric Medicine (Family Medicine) Physician | Professional: Physician |
| 207RG0300X | Geriatric Medicine (Internal Medicine) Physician | Professional: Physician |
| 363LG0600X | Gerontology Nurse Practitioner | Professional: Other |
| 207VG0400X | Gynecology Physician[1] | Professional: Physician |
| 207R00000X | Internal Medicine Physician | Professional: Physician |
| 363AM0700X | Medical Physician Assistant | Professional: Other |
| 176B00000X | Midwife[1] | Professional: Other |
| 363L00000X | Nurse Practitioner | Professional: Other |
| 363LX0001X | Obstetrics & Gynecology Nurse Practitioner[1] | Professional: Other |
| 207V00000X | Obstetrics & Gynecology Physician[1] | Professional: Physician |
| 207VX0000X | Obstetrics Physician[1] | Professional: Physician |
| 2080A0000X | Pediatric Adolescent Medicine Physician | Professional: Physician |
| 364SP0200X | Pediatric Clinical Nurse Specialist | Professional: Other |

| Taxonomy | Practitioner Type | Provider Type |
|-------------------|--|-------------------------|
| 363LP0200X | Pediatric Nurse Practitioner | Professional: Other |
| 208000000X | Pediatrics Physician | Professional: Physician |
| 261QP2300X | Primary Care Clinic/Center | Professional: Other |
| 363LP2300X | Primary Care Nurse Practitioner | Professional: Other |
| 163W00000X | Registered Nurse | Professional: Other |
| 282NR1301X | Rural Acute Care Hospital | Professional: Other |
| 261QR1300X | Rural Health Clinic/Center | Professional: Other |
| 261QP0905X | State or Local Public Health Clinic/Center | Professional: Other |
| 364SW0102X | Women's Health Clinical Nurse Specialist | Professional: Other |
| 363LW0102X | Women's Health Nurse Practitioner | Professional: Other |