

Maternal, Infant, Early Childhood Home Visiting (MIECHV) Program

Performance Indicators and Systems Outcomes Guidance on Identifying Missing Data

The Health Resources and Services Administration's (HRSA) Maternal and Child Health Bureau (MCHB) revised the MIECHV Program performance measurement system, which was approved by the Office of Management and Budget (OMB) in March 2016. In 2021, HRSA revised the existing performance measurement system, which the Office of Management and Budget (OMB) approved in July 2021. This guidance includes instructions for the identification of missing data.

Measure	Construct	Indicator	Numerator	Denominator	Missing Data
1	Preterm Birth	(Systems Outcome) Percent of infants (among mothers who enrolled in home visiting prenatally before 37 weeks) who are born preterm following program enrollment	Number of live births (index child or subsequent children among mothers who enrolled in home visiting prenatally before 37 weeks) born before 37 completed weeks of gestation and after enrollment	Number of live births after enrollment who were born to mothers enrolled in home visiting prenatally before 37 weeks	Data are considered missing if one or more data elements needed to determine inclusion in the numerator or denominator are unknown.
2	Breastfeeding	(Systems Outcome) Percent of infants (among mothers who enrolled in home visiting prenatally) who were breastfed any amount at 6 months of age	Number of infants aged 6-12 months (index child among mothers who enrolled in home visiting prenatally) who were breastfed any amount at 6 months of age	Number of infants aged 6-12 months (index child among mothers who enrolled in home visiting prenatally) enrolled in home visiting for at least 6 months	Data are considered missing if one or more data elements needed to determine inclusion in the numerator or denominator are unknown.

Measure	Construct	Indicator	Numerator	Denominator	Missing Data
3	Depression Screening	Percent of primary caregivers enrolled in home visiting who are screened for depression using a validated tool within 3 months of enrollment (for those not enrolled prenatally) or within 3 months of delivery (for those enrolled prenatally)	For those not enrolled prenatally, number of primary caregivers enrolled in home visiting who are screened for depression within the first 3 months since enrollment; for those enrolled prenatally, the number of primary caregivers screened for depression within 3 months of delivery	For those not enrolled prenatally, the number of primary caregivers enrolled in home visiting for at least 3 months; for those enrolled prenatally, the number of primary caregivers enrolled in home visiting for at least three months post delivery	Data are considered missing if one or more data elements needed to determine inclusion in the numerator or denominator are unknown. When there is no documentation of whether the screening occurred using a validated tool, but all other data elements are known, then the primary caregiver should be included in the denominator (if eligible), but not in the numerator.
4	Well Child Visit	Percent of children enrolled in home visiting who received the last recommended visit based on the American Academy of Pediatrics (AAP) schedule	Number of children (index child) enrolled in home visiting who received the last recommended well child visit based on the AAP schedule	Number of children (index child) enrolled in home visiting	Data are considered missing if one or more data elements needed to determine inclusion in the numerator or denominator are unknown, including if the home visit occurred but the home visitor did not collect the data. If a home visit did not occur around the most recent age requiring a well-child visit, then data from the previous expected well-child visit should be reported.
5	Postpartum Care	Percent of mothers enrolled in home visiting prenatally or within 30 days after delivery who received a postpartum visit with a healthcare provider within 8 weeks (56 days) of delivery	Number of mothers enrolled in home visiting prenatally or within 30 days after delivery who received a postpartum visit with a healthcare provider within 8 weeks (56 days) of delivery	Number of mothers who enrolled in home visiting prenatally or within 30 days after delivery and remained enrolled for at least 8 weeks (56 days) after delivery	Data are considered missing if one or more data elements needed to determine inclusion in the numerator or denominator are unknown.

Measure	Construct	Indicator	Numerator	Denominator	Missing Data
6	Tobacco Cessation Referrals	Percent of primary caregivers enrolled in home visiting who reported using tobacco or cigarettes at enrollment and were referred to tobacco cessation counseling or services within 3 months of enrollment.	Number of primary caregivers enrolled in home visiting who reported using tobacco or cigarettes at enrollment and were referred to tobacco cessation counseling or services within 3 months of enrollment	Number of primary caregivers enrolled in home visiting who reported using tobacco or cigarettes at enrollment and were enrolled for at least 3 months	Data are considered missing if one or more data elements needed to determine inclusion in the numerator or denominator are unknown, including if there is no documentation of whether the primary caregiver used tobacco or cigarettes at enrollment since inclusion in the denominator cannot be determined if the screening result is unknown. When there is no documentation of whether a referral was provided, but all other data elements are known and inclusion in the denominator can be determined, then the primary caregiver should be included in the denominator (if eligible), but not in the numerator.
7	Safe Sleep	Percent of infants enrolled in home visiting that are always placed to sleep on their backs, without bed-sharing and without soft bedding	Number of infants (index child aged less than 1 year) enrolled in home visiting whose primary caregiver reports that they are always placed to sleep on their backs, without bed-sharing and without soft bedding	Number of infants (index child) enrolled in home visiting who were aged less than 1 year during the reporting period	Data are considered missing if one or more data elements needed to determine inclusion in the numerator or denominator are unknown.
8	Child Injury	(Systems Outcome) Rate of injury- related visits to the Emergency Department (ED) since enrollment among children enrolled in home visiting	Number of parent-reported nonfatal injury-related visits to the ED since enrollment among children (index child) enrolled in home visiting	Number of children (index child) enrolled in home visiting	Data are considered missing if one or more data elements needed to determine inclusion in the numerator or denominator are unknown.
9	Child Maltreatment	(Systems Outcome) Percent of children enrolled in home visiting with at least 1 investigated case of maltreatment following enrollment within the reporting period	Number of children (index child) enrolled in home visiting with at least 1 investigated case of maltreatment following enrollment within the reporting period	Number of children (index child) enrolled in home visiting	Data are considered missing if one or more data elements needed to determine inclusion in the numerator or denominator are unknown.

Measure	Construct	Indicator	Numerator	Denominator	Missing Data
10	Parent-Child Interaction	Percent of primary caregivers enrolled in home visiting who receive an observation of caregiver-child interaction by the home visitor using a validated tool	Number of primary caregivers enrolled in home visiting who receive an observation of caregiver-child interaction by the home visitor using a validated tool	Number of primary caregivers enrolled in home visiting with children reaching the target age range	Data are considered missing if one or more data elements needed to determine inclusion in the numerator or denominator are unknown. When there is no documentation of whether the primary caregiver received an observation of caregiver-child interaction by the home visitor using a validated tool, but all other data elements are known, then the primary caregiver should be included in the denominator (if eligible), but not in the numerator.
11	Early Language and Literacy Activities	Percent of children enrolled in home visiting with a family member who reported that during a typical week s/he read, told stories, and/or sang songs with their child daily, every day	Number of children (index child) enrolled in home visiting with a family member who reported that during a typical week s/he read, told stories, and/or sang songs with their child daily, every day	Number of children (index child) enrolled in home visiting	Data are considered missing if one or more data elements needed to determine inclusion in the numerator or denominator are unknown.
12	Developmental Screening	Percent of children enrolled in home visiting with a timely screen for developmental delays using a validated parent-completed tool	Number of children (index child) enrolled in home visiting with at least one screening within the AAP-defined age groups during the reporting period	Number of children (index child) enrolled in home visiting reaching the specified time frame during the reporting period	Data are considered missing if one or more data elements needed to determine inclusion in the numerator or denominator are unknown. When there is no documentation of whether the screening occurred using a validated tool, but all other data elements are known, then the child should be included in the denominator (if eligible), but not in the numerator.

Measure	Construct	Indicator	Numerator	Denominator	Missing Data
13	Behavioral Concern Inquiries	Percent of postnatal home visits where primary caregivers were asked if they have any concerns regarding their child's development, behavior, or learning	Number of postnatal home visits where primary caregivers enrolled in home visiting were asked if they have any concerns regarding their child's development, behavior, or learning	Total number of postnatal home visits during the reporting period	Data are considered missing if one or more data elements needed to determine inclusion in the numerator or denominator are unknown. If a home visit occurred, but there is no documentation of whether the primary caregiver was asked about behavioral concerns, then the home visit should be included in the denominator (if eligible – i.e., postnatal visit), but not in the numerator.
14	IPV Screening	Percent of primary caregivers enrolled in home visiting who are screened for intimate partner violence (IPV) within 6 months of enrollment using a validated tool	Number of primary caregivers enrolled in home visiting who are screened for IPV using a validated tool within 6 months of enrollment	Number of primary caregivers enrolled in home visiting for at least 6 months	Data are considered missing if one or more data elements needed to determine inclusion in the numerator or denominator are unknown. When there is no documentation of whether the screening occurred using a validated tool (including if the screening did not occur because the caregiver was male and they only have validated tools for use among female caregivers), but all other data elements are known, then the primary caregiver should be included in the denominator (if eligible), but not in the numerator.
15	Primary Caregiver Education	(Systems Outcome) Percent of primary caregivers who enrolled in home visiting without a high school degree or equivalent who subsequently enrolled in, maintained continuous enrollment in, or completed high school or equivalent during their participation in home visiting	Number of primary caregivers who enrolled in, maintained continuous enrollment in, or completed a high school degree or equivalent after enrollment in home visiting (and met the conditions specified in the denominator)	Number of primary caregivers without a high school degree or equivalent at enrollment	Data are considered missing if one or more data elements needed to determine inclusion in the numerator or denominator are unknown.

Measure	Construct	Indicator	Numerator	Denominator	Missing Data
16	Continuity of Health Insurance Coverage	(Systems Outcome) Percent of primary caregivers enrolled in home visiting for at least 6 months who had continuous health insurance coverage for the most recent 6 consecutive months	Number of primary caregivers enrolled in home visiting who reported having continuous health insurance coverage for the most recent 6 consecutive months at the most recent data collection time point in the reporting period	Number of primary caregivers enrolled in home visiting for at least 6 months	Data are considered missing if one or more data elements needed to determine inclusion in the numerator or denominator are unknown.
17	Completed Depression Referrals	(Systems Outcome) Percent of primary caregivers referred to services for a positive screen for depression who receive one or more service contacts	Number of primary caregivers enrolled in home visiting who received recommended services for depression (and met the conditions specified in the denominator)	Number of primary caregivers enrolled in home visiting who had a positive screen for depression within 3 months of enrollment (for those not enrolled prenatally) or within 3 months of delivery (for those enrolled prenatally) and were referred for services	Data are considered missing if one or more data elements needed to determine inclusion in the numerator or denominator are unknown. Data are also considered missing if there is no documentation of whether a referral was provided.
18	Completed Developmental Referrals	(Systems Outcome) Percent of children enrolled in home visiting with positive screens for developmental delays (measured using a validated tool) who receive services in a timely manner	Number of children enrolled in home visiting who a) received individualized developmental support from a home visitor; b) were referred to early intervention services and receive an evaluation within 45 days; OR c) were referred to other community services who received services within 30 days (and met the conditions specified in the denominator)	Number of children enrolled in home visiting with positive screens for developmental delays (measured using a validated tool)	Data are considered missing if one or more data elements needed to determine inclusion in the numerator or denominator are unknown. When there is no documentation of whether a referral was provided, but all other data elements are available and inclusion in the denominator can be determined, then the primary caregiver should be included in the denominator (if eligible), but not in the numerator.

Measure	Construct	Indicator	Numerator	Denominator	Missing Data
19	IPV referrals	Percent of primary caregivers enrolled in home visiting with positive screens for IPV (measured using a validated tool) who receive referral information to IPV resources	Number of primary caregivers enrolled in home visiting who received referral information to IPV resources (and met the conditions specified in the denominator)	Number of primary caregivers enrolled in home visiting with positive screens for IPV (measured using a validated tool) within 6 months of enrollment	Data are considered missing if one or more data elements needed to determine inclusion in the numerator or denominator are unknown. When there is no documentation of whether a referral was provided, but all other data elements are available and inclusion in the denominator can be determined, then the primary caregiver should be included in the denominator (if eligible), but not in the numerator.
Optional Measure 1	Substance Use Screening	Percent of primary caregivers enrolled in home visiting who are screened for both unhealthy alcohol use and drug use using a validated tool within 6 months of enrollment	Number of primary caregivers enrolled in home visiting who were screened for both unhealthy alcohol use and drug use using validated tool(s) within 6 months of enrollment	Number of primary caregivers enrolled in home visiting for at least 6 months	Data are considered missing if one or more data elements needed to determine inclusion in the numerator or denominator are unknown. When there is no documentation of whether a screening occurred using a validated tool, but all other data elements are known, then the primary caregiver should be included in the denominator (if eligible), but not in the numerator.
Optional Measure 2	Completed Substance Use Referrals	(Systems Outcome) Percent of primary caregivers referred to services for a positive screen for substance use who receive one or more service contacts	Number of primary caregivers enrolled in home visiting who received recommended services for substance use (and met the conditions specified in the denominator)	Number of primary caregivers enrolled in home visiting who had a positive screen for unhealthy alcohol use and/or drug use (measured using a validated tool) within 6 months of enrollment and were referred for services	Data are considered missing if one or more data elements needed to determine inclusion in the numerator or denominator are unknown. Data are also considered missing if there is no documentation of whether a referral was provided.