

# Kansas Maternal, Infant, and Early Childhood Home Visiting Program Benchmarks Plan

## Benchmark 1. Improved Maternal and Newborn Health

Construct	Population Assessed	Indicator	Outcome Type	Numerator	Denominator	Measure/Tool	TIES Specific Measure/Tool	Target Improvement	Data Source	Timing of Data Collection	Comparison
1.1: Prenatal care	Women who give birth post enrollment	Mean number of recommended prenatal visits pregnant women attend after program enrollment (AAP/ACOG's guidelines for perinatal care)	Outcome	Sum of all recommended prenatal health care visits women attend after program enrollment.	Total number of women who are pregnant when enrolled into the program	Documented date of all prenatal visits	Documented date of all prenatal visits	Increase	HV program records; self-report	Intake and after completion of each trimester	Cross Sectional: Status of group 1 at the end of data collection period (6/30/13) compared to status of group 2 at the end of data collection period (9/30/14).
1.2: Parental use of alcohol, tobacco, or illicit drugs	Pregnant women and mothers enrolled for 90 days	Percent of pregnant women and mothers who are screened for alcohol, tobacco, and illicit drug use	Process	Sum of pregnant women and mothers screened for ATOD	Sum of all pregnant women and mothers	UNCOPE for drugs and alcohol; documented tobacco use	ASSIST 3.0	Increase or maintain at 95% level	Screening tool; HV program records	Within 90 days of program enrollment	Cross Sectional: Status of group 1 at the end of data collection period (6/30/13) compared to status of group 2 at the end of data collection period (9/30/14).
1.3: Preconception care	Non-pregnant mothers with children who reach 12 months of age while enrolled	Percent of non-pregnant mothers who receive one or more routine primary care visits after birth of index child and before a subsequent pregnancy	Outcome	Sum of non-pregnant mothers receiving one or more routine primary care visits after index child's birth and prior to a subsequent pregnancy	Sum of all non-pregnant mothers	Documented date of all primary care visits	Documented date of all primary care visits	Increase	HV program records; self-report	Within 12 months of index child's birth	Cross Sectional: Status of group 1 at the end of data collection period (6/30/13) compared to status of group 2 at the end of data collection period (9/30/14).
1.4: Inter-birth intervals	Pregnant women and mothers enrolled for 90 days	Percent of all mothers who receive information on the benefits of inter-birth spacing	Process	Sum of mothers who receive information on the benefits of inter-birth spacing	Sum of all mothers	Documentation of provision of inter-birth spacing information	Documentation of provision of inter-birth spacing information	Increase or maintain at 95% level	HV program records; self-report	Within 90 days of program enrollment and every 6 months post enrollment	Cross Sectional: Status of group 1 at the end of data collection period (6/30/13) compared to status of group 2 at the end of data collection period (9/30/14).
1.5: Screen for maternal depressive symptoms	Pregnant women and mothers enrolled for 90 days	Percent of pregnant women and mothers who are screened for depression	Process	Sum of pregnant women and mothers screened for depression	Sum of all pregnant women and mothers	Edinburgh Postnatal Depression Scale	Brief Symptom Inventory	Increase or maintain at 95% level	Screening tool	Within 90 days of program enrollment	Cross Sectional: Status of group 1 at the end of data collection period (6/30/13) compared to status of group 2 at the end of data collection period (9/30/14).

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1.6: Breastfeeding	Mothers who gave birth post enrollment without a medical reason not to breastfeed	Mean number of weeks mothers breastfeed the index children	Outcome	Sum of weeks mothers breastfeed the index child	Sum of all women who gave birth post enrollment without a medical reason not to breastfeed	Documentation of breastfeeding; documentation of medical reason not to breastfeed	Documentation of breastfeeding; documentation of medical reason not to breastfeed	Increase	HV program records; self-report	Every three months postpartum during first year	Cross Sectional: Status of group 1 at the end of data collection period (6/30/13) compared to status of group 2 at the end of data collection period (9/30/14).
1.7: Well-child visits	Index children	Percent of all index children who attend at least 85% of well-child visits according to AAP Recommendations for Preventative Pediatric Health Care while enrolled in the program	Outcome	Sum of index children who attend at least 85% of recommended well-child visits while enrolled in the program	Sum of all index children	Documented dates of well-child visits	Documented dates of well-child visits	Increase or maintain at 85% level	HV program records; self-report	Intake or within 30 days of index infants' birth and every 6 months post enrollment	Cross Sectional: Status of group 1 at the end of data collection period (6/30/13) compared to status of group 2 at the end of data collection period (9/30/14).
1.8: Maternal and child health insurance status	Mothers and index children	Percent of mothers and index children who are covered by health insurance	Outcome	Sum of mothers and index children covered by health insurance	Sum of all mothers and index children	Documentation of medical insurance of index child and mother	Documentation of medical insurance of index child and mother	Increase	HV program records; self-report	Within 90 days of program enrollment and annually post enrollment.	Cross Sectional: Status of group 1 at the end of data collection period (6/30/13) compared to status of group 2 at the end of data collection period (9/30/14).

# Kansas Maternal, Infant, and Early Childhood Home Visiting Program Benchmarks Plan

## Benchmark 2. Prevention of Child Injuries, Child Abuse, Neglect or Maltreatment, and Reduction of Emergency Department Visits

Construct	Population Assessed	Indicator	Outcome Type	Numerator	Denominator	Measure/Tool	TIES Specific Measure/Tool	Target Improvement	Data Source	Timing of Data Collection	Comparison
2. 1: Child emergency department visits from all causes	Index children	Mean number of visits to the emergency department from all causes for index children	Outcome	Sum of emergency department visits for index children	Sum of all index children	Documented dates of all emergency department visits for index child	Documented dates of all emergency department visits for index child	Decrease	HV program records; self-report	Within 90 days of program enrollment or index infants' birth and every six months after	Cross Sectional: Status of group 1 at the end of data collection period (6/30/13) compared to status of group 2 at the end of data collection period (9/30/14).
2.2: Maternal emergency department visits from all causes	Pregnant women and mothers enrolled for 90 days	Mean number of visits to the emergency department from all causes for mothers	Outcome	Sum of emergency department visits for mothers	Sum of all mothers	Documented dates of all emergency department visits for the mother	Documented dates of all emergency department visits for the mother	Decrease	HV program records; self-report	Within 90 days of program enrollment and every six months	Cross Sectional: Status of group 1 at the end of data collection period (6/30/13) compared to status of group 2 at the end of data collection period (9/30/14).
2.3: Information provided or training of participants on prevention of child injuries	Families enrolled for 6 months	Percent of families who have received child injury prevention information or training using an approved curriculum or materials within 6 months of program enrollment	Process	Sum of families who have received child injury prevention information or training within 6 months of program enrollment	Sum of all enrolled families	Documented provision of child injury prevention information	Documented provision of child injury prevention information	Increase or maintain at 95% level	HV program records	Within 6 months post enrollment	Cross Sectional: Status of group 1 at the end of data collection period (6/30/13) compared to status of group 2 at the end of data collection period (9/30/14).
2.4: Incidence of child injuries requiring medical treatment	Index children	Mean number of injury incidents requiring medical treatment for the index children	Outcome	Sum of injury incidents requiring medical treatment for index children	Sum of all index children	Documented dates of all child injuries requiring medical treatment	Documented dates of all child injuries requiring medical treatment	Decrease	HV program records; self-report	Within 90 days of program enrollment or index infants' birth and every 6 months after	Cross Sectional: Status of group 1 at the end of data collection period (6/30/13) compared to status of group 2 at the end of data collection period (9/30/14).
2.5: Reported suspected maltreatment of children in program	Index children	Percent of index children for whom a suspected maltreatment report has been received and screened in by child protective services (CPS) during program enrollment	Outcome	Sum of index children with screened in CPS reports due to suspected maltreatment post program enrollment	Sum of all index children	Documented dates of all suspected maltreatment reports of index child	Documented dates of all suspected maltreatment reports of index child	Decrease or maintain at 5%	DCF admin data	At the end of each program year	Cross Sectional: Status of group 1 at the end of data collection period (6/30/13) compared to status of group 2 at the end of data collection period (9/30/14).

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Construct	Population Assessed	Indicator	Outcome Type	Numerator	Denominator	Measure/Tool	TIES Specific Measure/Tool	Target Improvement	Data Source	Timing of Data Collection	Comparison
2.6: Reported substantiated maltreatment for children in program	Index children	Percent of index children for whom CPS has a substantiated report of maltreatment during program enrollment (i.e., disposition as victim, substantiated or indicated)	Outcome	Sum of index children with substantiated reports of maltreatment occurring during program enrollment	Sum of all index children	Documented date of all substantiated maltreatment reports for index child	Documented date of all substantiated maltreatment reports for index child	Decrease or maintain at 5%	DCF admin data	At the end of each program year	Cross Sectional: Status of group 1 at the end of data collection period (6/30/13) compared to status of group 2 at the end of data collection period (9/30/14).
2.7: First-time victims of child maltreatment	Index children	Percent of index children who are first time victims of child maltreatment post program enrollment	Outcome	Sum of index children who are first time victims of child maltreatment post program enrollment	Sum of all index children with substantiated reports of child maltreatment	Documented date of initial substantiated maltreatment reports for index child	Documented date of initial substantiated maltreatment reports for index child	Decrease or maintain at 5%	DCF admin data	At the end of each program year	Cross Sectional: Status of group 1 at the end of data collection period (6/30/13) compared to status of group 2 at the end of data collection period (9/30/14).

# Kansas Maternal, Infant, and Early Childhood Home Visiting Program Benchmarks Plan

## Benchmark 3. Improvement in School Readiness and Achievement

Construct	Population Assessed	Indicator	Outcome Type	Numerator	Denominator	Measure/Tool	TIES Specific Measure/Tool	Target Improvement	Data Source	Timing of Data Collection	Comparison
3.1: Parental support for learning & development	Index children	Percent of index children whose mothers or primary caregivers demonstrate support of their learning and development (HOME Subscales $\geq$ Median Scores; KIPS > 3)	Outcome	Sum of index children whose mothers or primary caregivers demonstrate support of their learning and development	Sum of index children	HOME: Learning Materials and Parental Involvement Subscales	Keys to Interactive Parenting (KIPS)	Increase	Assessment tool	Within 90 days of program enrollment or by the time the index child is 6 months and annually	Relative change between baseline and first annual follow up for all enrolled through September 30, 2014
3.2: Parental knowledge of child development and actual progress	Index children	Percent of index children whose mothers or primary caregivers receive information on their child's development from a completed standardized screening tool	Process	Sum of index children whose mothers or primary caregivers receive information on their child's development from a completed standardized screening tool	Sum of all index children	Documented provision of child development information; ASQ-3	Documented provision of child development information; BINS	Increase or maintain at 95% level	HV program records; Screening tool	Within 90 days of program enrollment or by the time the index child is 6 months	Cross Sectional: Status of group 1 at the end of data collection period (6/30/13) compared to status of group 2 at the end of data collection period (9/30/14).
3.3: Parenting behaviors and parent-child relationship	Index children	Percent of index children whose mothers or primary caregivers demonstrate responsive and accepting behaviors with their index child (HOME Subscales $\geq$ Median Scores; KIPS > 3)	Outcome	Sum of index children whose mothers or primary caregivers demonstrate responsive and accepting parenting behaviors	Sum of all index children	HOME: Responsivity and Acceptance Subscales	KIPS	Increase	Assessment tool	Within 90 days of program enrollment or by the time the index child is 6 months and annually	Relative change between baseline and first annual follow up for all enrolled through September 30, 2014
3.4: Parental emotional well-being	Index children	Percent of index children whose mothers or primary caregivers indicate a positive level of family functioning and social support (PFS Area Ratings > 4)	Outcome	Sum of index children whose mothers or primary caregivers indicate a positive level of family functioning and social support	Sum of all index children	Protective Factors Survey: Family Functioning/Resiliency and Social Support Areas	Protective Factors Survey: Family Functioning/Resiliency and Social Support Areas	Increase	Assessment tool	Within 90 days of program enrollment or by the time the index child is 6 months and annually	Relative change between baseline and first annual follow up for all enrolled through September 30, 2014
3.5: Child's communication, language, and emergent literacy	Index children	Percent of index children who are screened for developmentally-appropriate communication skills	Process	Sum of index children screened for developmentally appropriate communication skills	Sum of all index children	ASQ-3: Communication Area	BINS: Verbal Expressive Functions	Increase or maintain at 95% level	Screening tool	Within 90 days of program enrollment or by the time the index child is 6 months	Cross Sectional: Status of group 1 at the end of data collection period (6/30/13) compared to status of group 2 at the end of data collection period (9/30/14).

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Construct	Population Assessed	Indicator	Outcome Type	Numerator	Denominator	Measure/Tool	TIES Specific Measure/Tool	Target Improvement	Data Source	Timing of Data Collection	Comparison
3.6: Child's general cognitive skills	Index children	Percent of index children who are screened for developmentally-appropriate general cognitive skills	Process	Sum of index children screened for developmentally appropriate general cognitive skills	Sum of all index children	ASQ-3: Problem Solving Area	BINS: Basic Neurological Functions and Cognitive Processes	Increase or maintain at 95% level	Screening tool	Within 90 days of program enrollment or by the time the index child is 6 months	Cross Sectional: Status of group 1 at the end of data collection period (6/30/13) compared to status of group 2 at the end of data collection period (9/30/14).
3.7: Child's positive approach to learning	Index children age 30 months or above	Percent of index children demonstrate positive self-regulation and compliance behaviors (ASQ-SE Area scores < 60)	Outcome	Sum of index children who demonstrate positive self-regulation and compliance behaviors	Sum of all index children age 30 months or above	ASQ-SE: Self-regulation and Compliance Behavior Areas	ASQ-SE: Self-regulation and Compliance Behavior Areas	Increase	Screening tool	At index child's age of 30 and 36 months	Relative change between 30 month and 36 month assessments
3.8: Child's social behavior and emotional well-being	Index children	Percent of index children who are screened for developmentally-appropriate social and emotional behaviors	Process	Sum of index children who are screened for developmentally-appropriate social and emotional behaviors	Sum of all index children	ASQ-SE	ASQ-SE	Increase or maintain at 95% level	Screening tool	Within 90 days of program enrollment or by the time the index child is 6 months	Cross Sectional: Status of group 1 at the end of data collection period (6/30/13) compared to status of group 2 at the end of data collection period (9/30/14).
3.9: Child's physical health & development	Index children	Percent of index children who are screened for developmentally-appropriate motor skills	Process	Sum of index children who are screened for developmentally-appropriate motor skills	Sum of all index children	ASQ-3: Gross Motor and Fine Motor Areas	BINS: Motor Expressive Functions	Increase or maintain at 95% level	Screening tool	Within 90 days of program enrollment or by the time the index child is 6 months	Cross Sectional: Status of group 1 at the end of data collection period (6/30/13) compared to status of group 2 at the end of data collection period (9/30/14).

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## Benchmark 4. Reduction in Domestic Violence

Construct	Population Assessed	Indicator	Outcome Type	Numerator	Denominator	Measure/Tool	TIES Specific Measure/Tool	Target Improvement	Data Source	Timing of Data Collection	Comparison
4.1: Screening for domestic violence	Pregnant women and mothers enrolled for 90 days	Percent of pregnant women and mothers who are screened for domestic violence	Process	Sum of pregnant women and mothers screened for DV	Sum of all women	Abuse Assessment Screen (DOVE adaptation with additional questions about emotional abuse)	Abuse Assessment Screen (DOVE adaptation with additional questions about emotional abuse)	Increase or maintain at 95% level	Screening tool	Within 90 days post enrollment	Cross Sectional: Status of group 1 at the end of data collection period (6/30/13) compared to status of group 2 at the end of data collection period (9/30/14).
4.2: Of families identified for presence of DV, number of referrals to relevant DV services	Pregnant women and mothers enrolled for 90 days	Percent of pregnant women and mothers identified with a presence of DV that are referred to relevant DV services	Process	Sum of pregnant women and mothers identified for DV who receive referrals to DV services	Sum of all pregnant women and mothers identified for DV	Documented presence of DV; documented referral to DV services	Documented presence of DV; documented referral to DV services	Increase or maintain at 95% level	HV program records	Within 60 days of DV screen	Cross Sectional: Status of group 1 at the end of data collection period (6/30/13) compared to status of group 2 at the end of data collection period (9/30/14).
4.3: Of families identified for presence of DV, number of families with completed safety plan	Pregnant women and mothers enrolled for 90 days	Percent of pregnant women and mothers identified for presence of DV who have a completed safety plan	Process	Sum of pregnant women and mothers identified for presence of DV who have a completed safety plan	Sum of all pregnant women and mothers identified for DV	Documented safety plan	Documented safety plan	Increase or maintain at 95% level	HV program records; self-report	Within 60 days of DV screen	Cross Sectional: Status of group 1 at the end of data collection period (6/30/13) compared to status of group 2 at the end of data collection period (9/30/14).

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## Benchmark 5. Improvements in Family Economic Self-Sufficiency

Construct	Population Assessed	Indicator	Outcome Type	Numerator	Denominator	Measure/Tool	TIES Specific Measure/Tool	Target Improvement	Data Source	Timing of Data Collection	Comparison
5.1: Household income and benefits	Families	Mean of households' total income	Outcome	Sum of all households' total income	Sum of all households	Documentation of household income and benefits	Documentation of household income and benefits	Increase	Assessment tool; self-report	Intake and annually post enrollment	Relative change between baseline and first annual follow up for all enrolled through September 30, 2014
5.2a: Education of adult members of the household	Index Parent/Primary Caregiver	Mean of index parent/primary caregiver scores for MCAFSS Educational Attainment Subscale	Outcome	Sum of all index parent/primary caregiver Educational Attainment Subscale scores	Sum of all index parents/primary caregivers	Missouri Family Self-Sufficiency Scale: Educational Attainment Subscale	Missouri Family Self-Sufficiency Scale: Educational Attainment Subscale	Increase	Assessment tool	Intake and annually post enrollment	Relative change between baseline and first annual follow up for all enrolled through September 30, 2014
5.2b: Employment of adult members of the household	Index Parent/Primary Caregiver	Mean of index parent/primary caregiver scores for MCAFSS Employment Subscale	Outcome	Sum of all index parent/primary caregiver Employment Subscale scores	Sum of all index parents/primary caregivers	Missouri Family Self-Sufficiency Scale: Employment Subscale	Missouri Family Self-Sufficiency Scale: Employment Subscale	Increase	Assessment tool	Intake and annually post enrollment	Relative change between baseline and first annual follow up for all enrolled through September 30, 2014
5.3: Health insurance status of all household members	Families	Levels that family households' members are covered by health insurance (mean of all households' Health Insurance Subscale scores)	Outcome	Sum of all households' Health Insurance Subscale scores	Sum of all households	Missouri Family Self-Sufficiency Scale: Health Insurance Subscale	Missouri Family Self-Sufficiency Scale: Health Insurance Subscale	Increase	Assessment tool	Intake and annually post enrollment	Relative change between baseline and first annual follow up for all enrolled through September 30, 2014



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## Benchmark 6. Improvements in Coordination and Referral for Other Community Resources & Supports

Construct	Population Assessed	Indicator	Outcome Type	Numerator	Denominator	Measure/Tool	TIES Specific Measure/Tool	Target Improvement	Data Source	Timing of Data Collection	Comparison
6.1: Families identified as requiring services	Families enrolled for 90 days	Percent of families screened to determine needs for services regarding alcohol and drug use, domestic violence, depression/mental health, child development, and education/employment	Process	Sum of families screened to determine needs for services regarding alcohol and drug use, domestic violence, depression and mental health, child development, and education/employment	Sum of all families	UNCOPE, AAS/DOVE, EPDS, ASQ-3, ASQ-SE, MCAFSS	ASSIST 3.0, AAS/DOVE, Brief Symptom Inventory, BINS, ASQ-SE, MCAFSS	Increase or maintain at 95% level	HV program records; screening tool or checklist	Point needs assessment is conducted	Cross Sectional: Status of group 1 at the end of data collection period (6/30/13) compared to status of group 2 at the end of data collection period (9/30/14).
6.2: Families receiving referrals	Families enrolled for 90 days	Percent of families identified with needs that received a referral to available community services	Process	Sum of families identified with needs that received a referral to available community services	Sum of all families	Documented referrals to community services	Documented referrals to community services	Increase or maintain at 95% level	HV program records	Point needs assessment is conducted	Cross Sectional: Status of group 1 at the end of data collection period (6/30/13) compared to status of group 2 at the end of data collection period (9/30/14).
6.3: Number of completed referrals	Families enrolled for 90 days	Percent of community resource referrals provided to families with identified needs for whom receipt of services can be confirmed	Process	Sum of confirmed service receipt	Sum of all referrals made to families with identified needs	Documented receipt of services	Documented receipt of services	Increase or maintain at 95% level	HV program records	Point needs assessment is conducted and annually post enrollment	Cross Sectional: Status of group 1 at the end of data collection period (6/30/13) compared to status of group 2 at the end of data collection period (9/30/14).
6.4: MOUs with community social services agencies	HV Program	Number of MOUs or other formal agreements between HV programs and other social service agencies	Process			Documented MOU or other formal agreement	Documented MOU or other formal agreement	Increase or maintain	HV program records	Baseline and annually	Year 1 baseline compared to the end of year 3
6.5: Agencies sharing information with HV provider	HV Program	Number of collaborating community agencies with which the HV program has a clear point of contact in the agency that includes regular sharing of information between agencies	Process			Documented clear point of contact with other community agencies	Documented clear point of contact with other community agencies	Increase or maintain	HV program records	Baseline and annually	Year 1 baseline compared to the end of year 3