

Appendix B Data Variables List and Sample Data Structure

**Note this is not an exhaustive list; additional indicators may be added as project progresses*

***Green font signifies alternative variables to the PHI identifiers that would be removed through Safe Harbor Method or other HIPAA compliant method agreed upon by L.A. Care Health Plan and First 5 LA to de-identify data before sharing data.*

A. Demographics

1. Age (alternative variable)
2. Race/Ethnicity
3. Primary language spoken by the family
4. Gender
5. Geography region (alternative variable)
6. Social economic status (income, education, etc.)

B. Encounter Data

1. Age of child at initial entry into HMG program (alternative variable)
2. Age participates in early intervention services (alternative variable)
3. Referral for delay/disability/specialty services (Y/N)
4. Type of Referral /Reason for Referral (can be multiple), including social determinants of health (housing, food, shelter, etc.)
5. Regional Center referred to - *might be* geographic PHI identifier depending on population in each RC catchment area
6. Provider Category (Pediatrician, Primary Care Provider, Nurse Practitioner, Family Physician, etc.) (alternative variable)
7. Screening tool for developmental screening, trauma/ACEs, maternal depression, etc.
8. Screening results (ASQ, ACEs, PHQ-9, etc.)

C. Outcomes related to HEDIS measures

1. Number of children 2 years of age who receive a series of vaccines (# of injections) by their second birthday (4 DTaP, 3 HiB, 1 VZV, 3 IPV, 4 PCV, 3 Hep B, 1 MMR) (Child Immunization Status)
3. Number of children 3-6 years of age who had one or more well-child visits with a PCP (Well Child Visits in the third, fourth, fifth and sixth years of life)
4. Number of deliveries of live births who received postpartum care on or between 21 and 56 days after delivery (Postpartum care)
5. Number of deliveries of live births who received a prenatal visit in the first trimester OR within 42 days of enrollment (Timeliness of prenatal care)

D. HMG California Indicators: Issues/Concerns

Evaluator should categorize diagnoses to HMG CA Indicators

1. Developmental Concerns (general development, developmental concern, cognitive learning, communication, adaptive)
2. Physical Health Concerns (fine motor, gross motor, health/medical, hearing, vision)
3. Socio-Emotional/Behavioral Concerns (behavioral, social interactions, mental health)
4. Social and Economic Issues (basic needs, family functioning, living condition, parent support, child care, education, health insurance)
5. General Information about Help Me Grow
6. Other (diagnosis, other)

E. HMG California Indicators: Referrals

1. Developmental Services (communication/speech and language, early literacy, educational enrichment, private schools, IDEA Part C, School District/IDEA Part B)
2. Health Services (health/primary care, allied health professionals, feeding, health/medical specialist, health/neurodevelopmental specialist, occupational/physical therapy)
3. Socio-Emotional/Behavioral Services (behavioral services, mental health/counseling, psycho-educational testing, social skills, specialized services)
4. Social and Economic Support Services (parent/caregiver support, childcare, parent/child participation, parenting education, respite/care giving services, basic needs, equipment, funding, advocacy, legal assistance, access to health insurance, recreation)
5. Developmental Screening (referral out for a developmental screening)
6. Other (out of area referrals, other)

F. HMG California Indicators: Developmental Screenings

1. Number of children with a screening conducted through HMG. Who conducts the HMG screenings (e.g., call center, First 5, L.A. Care, key partner)?
2. Number of children with a screening conducted by another agency or provider and attached to a referral to HMG (optional)

G. HMG California Indicators: Outcomes

1. Received sufficient support and/or education through HMG call center
2. Received referral(s); connected to at least one service
3. Received referral(s); service pending
4. Received referral(s); not connected to service
5. Family opted out or outcome is unknown

H. HMG National Indicators: Many of these process indicators will be captured in L.A. Care's routine Performance Matrix reporting to First 5 LA. Some examples of key indicators include:

1. Number of trainings provided by HMG to medical staff on the topic of developmental screening and surveillance
2. Number of trainings provided by HMG to medical staff on the topic of referral and linkage through HMG
3. HMG care coordinators close the feedback loop with physicians by sharing information about the outcome of a particular child/family

I. F5LA Long-Term Systems Outcomes (LTSOs) relevant to HMG National Indicators

1. Number of barriers to accessing services reported by family
2. Participation in early intervention services for a developmental delay before age three
3. Referral(s) received
4. Service(s) received
5. Instances of providers sharing information with providers from other systems (education, home visitors, etc.)
6. Number of providers meeting sector-specific quality standards

Sample Dataset Structure (access via Safe Harbor Method for populations of specific area over 20,000)

ID	Gender	Age (months) at HMG entry	Provider Category	Days to Screening	Screening Tool	Screening score	Developmental Concern	Developmental Concern Subtype	Days to Referral	Days to Service	Number of Vaccine Doses (DTaP)	Number of Vaccine Doses (HIB)
903610	M	12	Pediatrician	33	PHQ-9	13	Developmental	general development	30	30	3	3
595691	F	8	Primary Care Provider	47	PEARLS	6	Toxic stress		10	13	2	2
102133	M	1	Nurse Practitioner	2	ASQ	15	Socio-emotional/behavioral	behavioral	45	45	0	0

**Please note the following:

1. Data variables included in this sample dataset are not comprehensive. Please refer to above for list of variables. Additional variables may be added in the future as project evolves.
2. This dataset is intended to serve as an illustrative example for dataset structure, such that each row represents an individual client. Final dataset structure will need to be finalized between parties prior to transfer of data.
3. The ID is to be a randomly generated unique identifier for each client. Additionally, in accordance with HIPAA guidance on Safe Harbor Method of de-identification, dataset will not include 18 PHI identifiers of the individual."