


athenahealth Data Dictionary



This is supporting information for the 2020 Health Data for Action (HD4A) Call for Proposals. To apply, or for more information about the funding opportunity, please visit www.rwjf.org/cfp/hd4a3.



athenahealth Research & Insights

HD4A 2020: athenahealth dataset

Subsets of the dataset described below will be made accessible to successful HD4A applicants based on the requirements outlined in their research proposals and specified in a signed Data Use Agreement (DUA). All data elements are currently pending de-identification review, and some details may still change.

Sample

- **Timeframe:** Jan 1, 2015 - Dec 31, 2019 (5 full years of longitudinal data)
- **Analytical unit:** Office visit
- **Sample:** Patients with at least one visit to a primary care provider at an athenahealth primary care practice during the study window

Data Dictionary

Variable/Category	Applicable data unit	Levels (where applicable)	Notes
Randomized provider ID	Provider		
Randomized patient ID	Patient		
Randomized visit ID	Visit		
Practice geographic category	Practice	Metro Metro-adjacent Rural	Defined by RUCC value in USDA rural-urban continuum codes
Median household income in practice location	Practice	High (\$70k+) Med (\$50k-\$70k) Low (<\$50k)	Zip code data from American Community Survey (ACS)
Provider type	Provider	Physician Nurse Practitioner Physician Assistant Registered Nurse Medical Assistant Pharmacist Mental/Behavioral Health Specialist Health Coach/Educator Nutritionist/Dietitian Other allied health professional	
Patient gender	Patient	Male Female	
Patient age	Patient	10-year bands	Set as of start of study window, non-dynamic
Patient race/ethnicity	Patient	Asian Black or African American Hispanic/Latino Other White	
Patient insurance type	Patient	Commercial Medicaid Medicare Other Self-Pay	
Scheduled visit duration	Visit	< 10 mins 10 mins 15 mins 20 mins	Note this is <i>scheduled</i> duration, and may not reflect actual visit length

		30 mins > 30 mins	
Body mass index	Visit	Continuous value	Taken during visit
Systolic and diastolic blood pressure readings	Visit	Continuous value	Taken during visit
Medication prescriptions	Visit	Binary indicator for each of the following medication prescriptions: <ul style="list-style-type: none"> • Hypertension • Hyperlipidemia • Diabetes • Asthma • COPD • Anxiety • Depression 	Only includes medications ordered during visit; generic medication names may also be available
Chronic condition diagnoses	Visit	Binary indicator for each of the 27 chronic conditions listed in CMS Chronic Condition Warehouse	Only includes diagnoses (based on ICD-10 codes) on claim associated with visit
Preventive care activities	Visit	Binary indicator for: <ul style="list-style-type: none"> • Well visit • Preventive care/counseling 	Only includes procedures (based on CPT codes) on claim associated with visit
Vaccinations	Visit	Binary indicators for: <ul style="list-style-type: none"> • Influenza vaccination • Pneumococcal vaccination 	Only includes vaccinations delivered during visit