

H1 Digital Health Data, Accuracy and Sources



H1 offers the relevant data for users at the time they need it

Provider - The core of all H1 data. It includes comprehensive information on provider demographics, specialty, licensing and more.



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Lee Memorial Hospital >
Associates in Digestive
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Affiliation* - Location name, Links providers to their true affiliations, so you can find not just NPI or address, but by who they actually work for. * coming soon

Facility - Location addresses, phone numbers, latitude and longitude, location types and associated confidence scores

13051 University Dr # 102, Fort
Myers, FL 33907, US
TINs: 650302093
239-433-3636
239-887-3608

Aetna

In Network

BCBS

In Network

Cigna

In Network

Healthfirst

Out of

Network

Network - Provider level insurance data, including carriers, plans, and information about the network.

Clinical Focus enable you to personalize provider recommendations by surfacing rich information on the conditions a provider treats, treatments a provider performs, and provider-patient panel demographics.

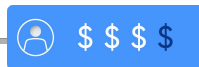
Clinical Focus

- **Clinical Areas:** Hemorrhoids, colon cancer, Acid Reflux/GERD
- **Conditions:** Difficulty Swallowing, Benign Colon Tumors, Heartburn, Blood In Vomit, Stomach Pain, Gastritis
- **Treatments :** Abdomen Ultrasound, Colonoscopy, Upper Endoscopy
- **Panel Ages:** Adult (45-64, 65+)
- **Panel Sexes:** Both Male and Female M

Quality

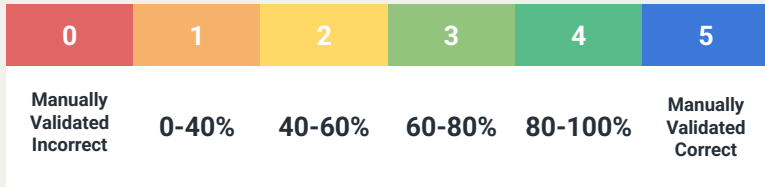


Costs



Quality – Assesses a provider's performance based on metrics like readmission, mortality, and avoidable ER visits, compared to peers treating similar patients.
Cost – Evaluates how costly a provider is relative to peers, based on service charges and how frequently services are used per patient.

H1 Carefully calibrates its AI-powered accuracy-scoring model



- **H1 Accuracy Definition in-line with CMS:** H1 defines accuracy based on CMS-published guidelines (NPI<>address<>phone).
- **H1 AI-powered models:** Derived from machine learning/AI models calibrated from thousands of sources
- **Factors that are key to our model include:**
 - **Data crossover:** The number of sources that list the same provider's address or phone number
 - **Freshness:** The freshness of a data source
 - **Correctness:** The average reliability of the data source
 - **Completeness:** The completeness of the record (i.e. is there a missing phone number?)



95% confidence
in AI model accuracy



AI models based on call-center
validated data



Ongoing back-testing, QA checks, &
model refinement



Models calibrated on data overlap,
freshness, completeness

See Beyond the Surface with H1's Data

Advantage

An iceberg graphic with a pink and purple color scheme. The tip of the iceberg is above the water line, while the much larger base is submerged. The background is divided into horizontal bands of light blue, light green, pink, and light purple, corresponding to the different data categories listed on the right.

Foundational Datasets

- 1) NPPES Directory
- 2) Board License Datasets
- 3) Payor FHIR Files
- 4) PECOS
- 5) Provider Endpoint Directories

Physician Attestation

Physicians will come and update their information

National Claims dataset

All Payor Claims Dataset

Unique H1 Data

Phone Validation: 75k/month phone calls to provider groups

Web Validation: Provider Websites

Proprietary H1 Datasets: Rosters, Life Science CRM Datasets, H1 Connect Doctor Network

Partner datasets:

- | | | | | | |
|-------|----------|------------------|-----------|-------|---------------|
| -AHA | -DEA | -Medicare Part A | -Verysis | -IHME | -Analytics IQ |
| -FSMB | -Outcare | -EHR Datasets | -Linkedin | -ABMS | |

AI Accuracy Scoring Capabilities

10yrs+ of training ML + AI algorithms to use all the various data sources and score each piece of information about a provider accurate or inaccurate

Data Refresh Cadence by Data Source

Data Type	Refresh Cadence
Provider Core Identity (NPI, Name, Specialty, TIN etc.)	Daily
Provider Demographics (Age, Gender, Languages Spoken, etc.)	Daily
Provider Degrees & Education	Quarterly
Provider Panel Demographics	Monthly, with 45-60 day lag
Provider Specialties	Daily
Provider Locations	Weekly
Facility Identify & Location	Weekly
Provider Network Coverage	Monthly to Quarterly based on tier and source of Network Data
Carrier & Plan Metadata	Monthly to Quarterly based on tier and source of Network Data
Cost & Quality Signals	Quarterly
Eligibility Verification	<i>Real-time via live API</i>
Benefit Details	<i>Real-time via live API</i>