

# NEW! VALUABLE DATA INSIGHTS WITH MX ANALYZE



MX Analyze provides a set of risk prediction and stratification tools so you can proactively manage patients, both for population health programs and transitions of care. With a more holistic set of data than many other population health platforms, MX Analyze brings together clinical data, claims, and publicly available social determinants of health data sources, such as community-level income and housing statistics. This diverse information is curated through best-in-class prediction models custom-built for Manifest MedEx (MX) participants and backed by peer-reviewed research to help you quickly and confidently target support to patients who need it most.

## THE TOOL SETS:

MX Analyze currently includes two tool sets that help you direct care management efforts toward patients who are most vulnerable.

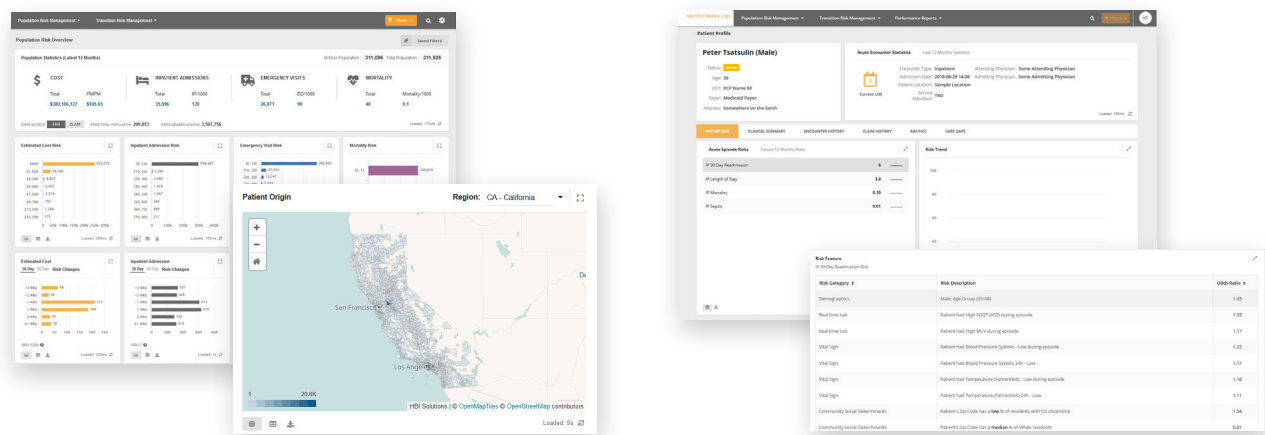
### POPULATION RISK

- Predict risk of hospitalization, emergency department elevated costs or mortality over the next 12 months.
- Flag patients with increasing risk before they're hospitalized.
- Use to prioritize patient outreach and recruitment for care management and quality improvement programs.

### TRANSITION RISK

- Predict risk of hospital readmission or emergency department revisit over the next 30 days.
- Use to identify patients most in need of additional attention during discharge planning and post-discharge follow-up.

Each tool set presents a series of dashboards so you can quickly see the risk profiles of your population and segment with common filters like demographics, condition, and geography. Easily identify your patients at highest risk and drill down into patient-level risk factors.



## THE DATA:

MX Analyze is powered by curated clinical data, claims data, and eligibility files from MX participants. Data automatically refreshes nightly so you always have access to up-to-date patient information.

In addition to MX participant data, MX Analyze also incorporates publicly available data on social determinants of health — including a geographic area’s income level and distribution, transportation access, housing density, and number of physicians — that may impact the health of patients.

## THE RISK PREDICTION ALGORITHMS:

MX Analyze leverages a set of risk models from our partner HBI Solutions, a worldwide leader in health data analytics. These models are designed specifically to predict outcomes at the patient level and have been tuned to maximize their accuracy for California’s population. The table below demonstrates how HBI’s custom machine learning models outperform some commonly used risk scoring algorithms.

MODEL	OUTPUT	INPUTS	DESIGNED FOR
HBI Machine Learning	Patient-level risk of hospitalization, readmission, ED visit, ED revisit, mortality, and future cost	Patient-level demographics, diagnoses, encounters, medications, regional housing, transportation, education, physician density, and income data	Stratification based on future cost and event risk
CMS-HCC	Risk score	Demographics and diagnoses	Prediction of population-level expenditures
John Hopkins / ACG	Patient-level risk grouping into clinically similar categories	Demographics, diagnoses, past use, medications	Stratifying patients into clinically similar groups