

Researching, Recognizing, and Reaching the Rare

Case Study on Global Patient Finding in Rare Disease

CASE BACKGROUND



Condition is a rare **disease that is underdiagnosed and underdocumented** because of lack of ICD-10 code



Heterogeneity in phenotype makes it hard to establish clear guidelines on how to identify disease and target specialty



Genetic testing needed for diagnosis; but even if mutation is confirmed, it has limited impact on patient care

Most Common Leakage Points in the Journey to Diagnosis and Treatment Include

HIDDEN DISEASE

HCPs/patients/caregivers do not recognize early symptoms as cause for concern

NO REFERRAL

Physician does not refer patient for further workup because of mild or unspecific symptoms

NO GENETIC TEST

HCP does not order genetic test to confirm underlying cause

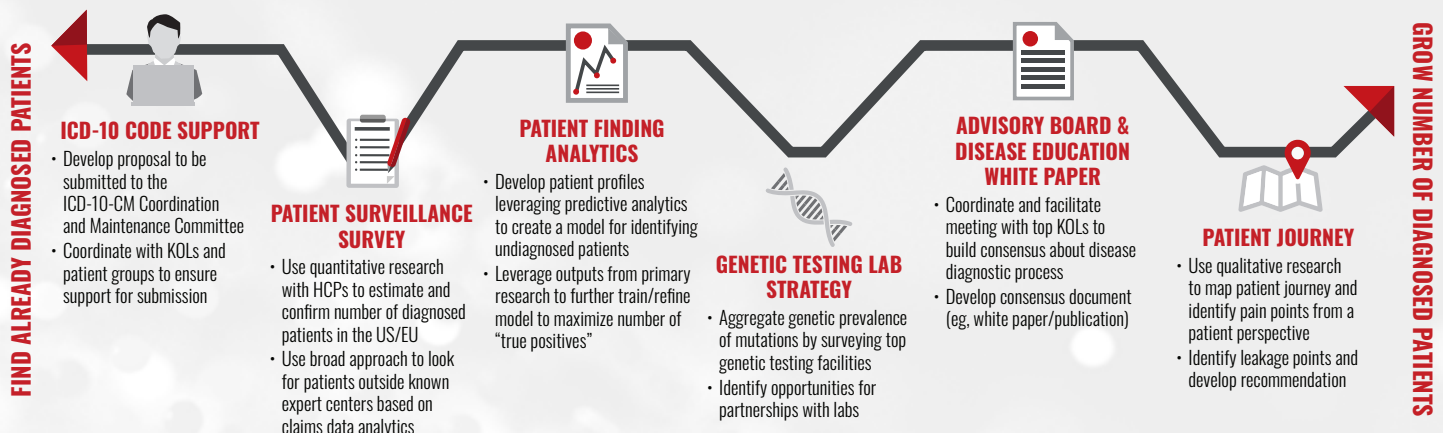
INCONCLUSIVE TEST

Genetic test result comes back as a variant of uncertain significance

UNACTIONABLE DIAGNOSIS

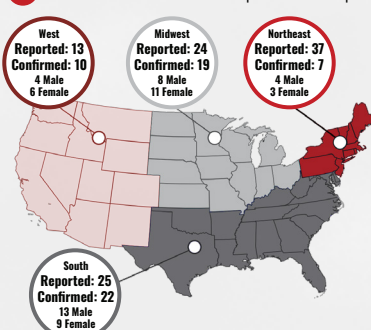
There is currently no treatment beyond solid organ transplant

EXAMPLE PORTFOLIO OF PROJECTS TO SUPPORT PATIENT IDENTIFICATION

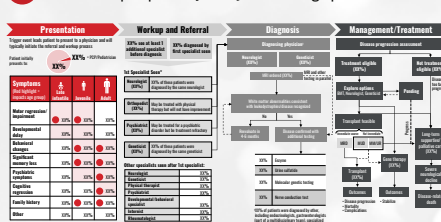


EXAMPLE OUTPUTS

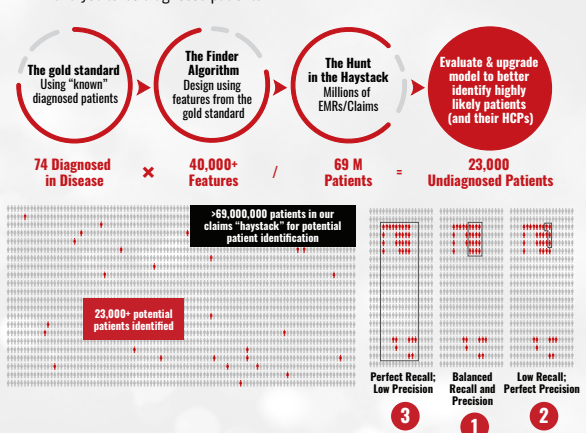
1 Treatment center database and patient heat map



2 Detailed map of patient journey and leverage points



3 Claims-based AI modeling to develop target lists with diagnosed and yet-to-be diagnosed patients



APPLICATIONS

1. Precommercial: plan strategy and tactics
2. Clinical development: drive clinical trial enrollment by identifying relevant providers and patient clusters
3. Medical affairs: publish patient finder outcome