

SEPTEMBER 29TH, 2026

What's New in IHD

Instant Health Data · Webinar

WEBINAR

Today's Speakers



Matt Guthrie

Director of IHD Product



Becky Hollenberg

Solutions Manager, RWD Commercial
Strategy & Innovation



Robyn London

Senior Product Marketing Manager and
Commercial Enablement

WHY WE BUILT THIS

Accelerate evidence generation and streamline analytics without compromising study integrity

IHD's platform and AI tools are grounded in decades of HEOR expertise and purpose-built for evidence generation.



Feasibility

Explore the data and test feasibility with AI before you build.



Build with AI

Use AI to build your project and cohort.



Visualize Results

Refine your analysis and visualize and customize results as you go.



Report

Turn results into report-ready output, fully transparent and auditable.

One end-to-end platform, from feasibility to final report.

Conduct feasibility, use AI to build your project and cohort, and build your analysis and report live, all in IHD.

IHD · NEW FEATURE

ADD-ON

Data Sandbox

Be hands-on with your data before you build the project, directly inside IHD.

DATA SANDBOX

Explore your data and use SQL without leaving IHD

Get hands-on with the data before you commit to a project, so you build the right study the first time.

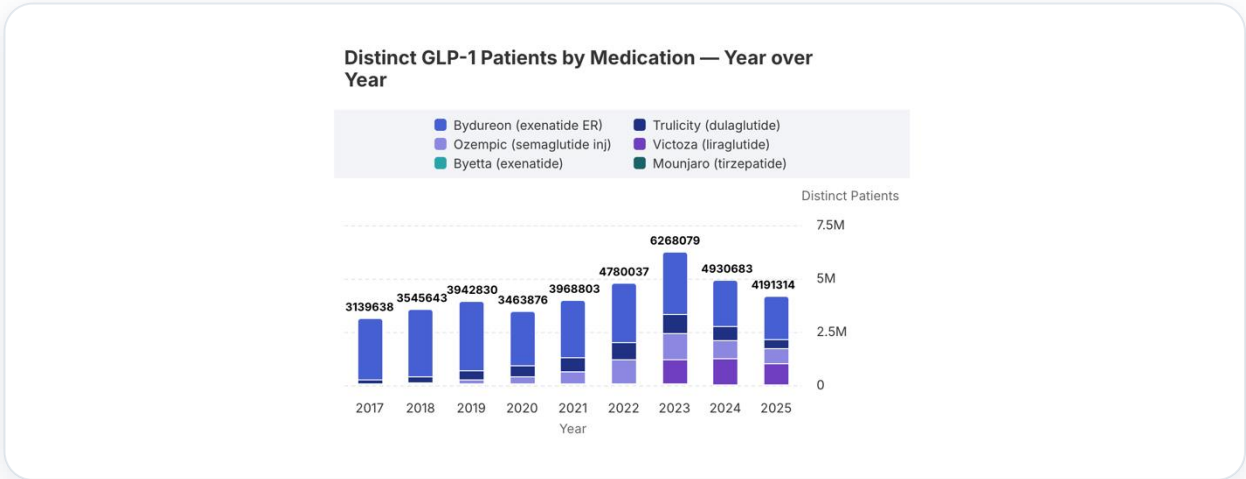
Ask quick questions of your data
Explore what is in each source before you build anything

Run feasibility early
See what project setup and cohort definition make the most sense

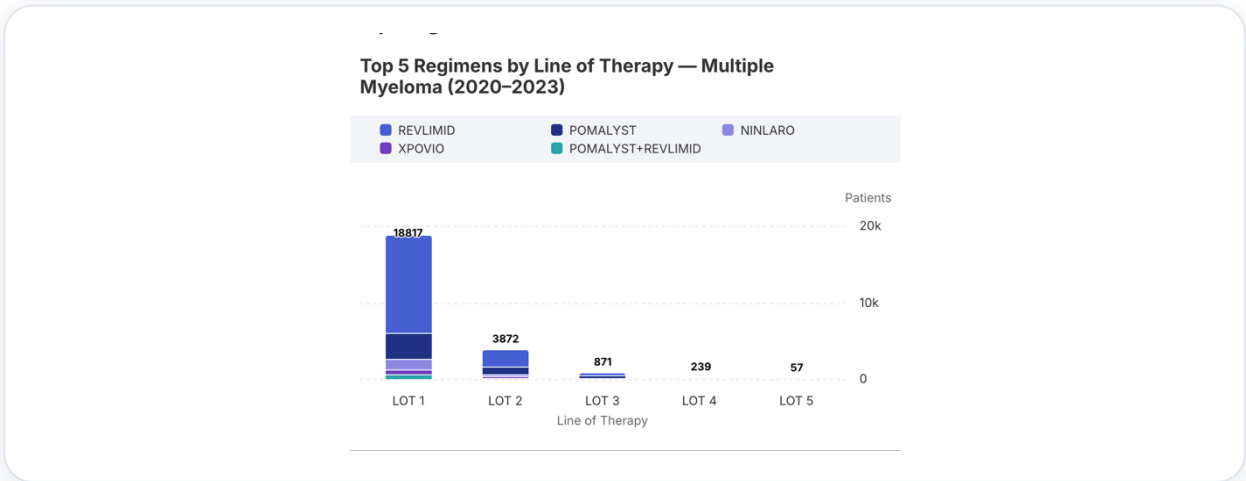
Write your own SQL directly within IHD
Full SQL access to explore and shape your data in place

WHY IT MATTERS Explore first and build once, so you reach evidence faster without losing analytic rigor.

"How many patients on GLP-1 by treatment YoY?"



"Show me LOT treatment patterns for multiple myeloma 2020-2023"



Ella writes and executes the code, delivering exportable outputs without requiring programming

Data Sandbox

SQL Editor

Ask Ella

Editor

AI

Recent Queries

Saved Queries

Data Source

NorstellaLinQ Open Claims 2...

Tables (4)

Search

activity

medical

norstella_patient_id

claim_id

claim_type

procedure_cd

ndc

procedure_modifier_1

procedure_modifier_2

procedure_modifier_3

procedure_modifier_4

date_of_service

age_sex_cte * New Query 2 Sample ICD-10 diagnosis code for...

+ Add Query

```
19
20 -- — 1. WEGOVY FILLS —————
21 -- All Wegovy pharmacy fills; union with medical (J-code) for completeness
22 wegovy_fills AS (
23     SELECT
24         norstella_patient_id,
25         TRY_CAST(date_of_service AS DATE) AS fill_date,
26         'pharmacy' AS source
27     FROM pharmacy
28     WHERE (
29         LOWER(brand_name) LIKE '%wegovy%'
30         OR ndc LIKE '00169%' -- Novo Nordisk semaglutide NDC prefix
31     )
32     AND date_of_service LIKE '2025%'
33
34     UNION ALL
35
36     -- Physician-administered semaglutide on medical claim (J-code: J3490/J3590 + NDC)
37     SELECT
38         norstella_patient_id,
39         TRY_CAST(date_of_service AS DATE) AS fill_date,
40         'medical' AS source
41     FROM medical
42     WHERE ndc LIKE '00169%'
43     AND date_of_service LIKE '2025%'
```

Ask Ella

Pose queries in plain language across your live data sources

Query Logic

Full SQL returned with every answer, so you can audit and reuse it

Output Artifacts

Tables and charts, ready to export

IHD · AI ASSISTANT

Ella

IHD Expert Skill INCLUDED
Premium Skills ADD-ON

Ask in plain language. Your human-in-the-loop
thought partner, grounded in IHD expertise.

WHAT ELLA DOES

Translate analytical questions into executable workflows in plain language with Ella

The screenshot displays the Ella AI Chat interface. On the left is a dark sidebar with navigation icons for Home, Projects, Code Lists, Data, Dashboards, Ella AI, LinQ Not..., Users, and Resources. The main chat area has a header with 'Ella AI Chat', a 'Data' field set to 'NorstellaLinQ Closed/Open/Lab/EMR 2017 thru', and a 'Source' field set to '2025-02' with an 'Update' button. The chat history on the left shows a previous message with query details: 'Query period: 2023-01-01 to 2023-12-31', 'Washout: 6 months', 'Sex: Any', and 'Age: 18 to 200'. The current message asks for confirmation of these details and for the inclusion criterion (heart failure as a Diagnosis). The response from Ella AI confirms the details and asks for confirmation of inclusion, offering options like 'Single: one qualifying HF diagnosis' or 'Two Encounters at least X days apart: please specify X (e.g., 30)'. At the bottom, there is a text input field with a plus icon and a 'Ask Ella' button. A footer bar contains a 'Verify important information' link and 'Powered by Norstella AI'.

- 1 Ask your research question**
Population, exposure, comparator, outcomes, and parameters, all in plain language.
- 2 Ella builds the study framework**
Inclusion and exclusion criteria, code lists, cohorts and measures, study design and temporal logic, assumptions, and IHD project setup.
- 3 Review, refine, and analyze in IHD**
Your team customizes the logic, validates each definition, and launches an IHD project and dashboard.

Ella accelerates study setup while your team keeps full transparency and control.

Less manual programming · Built-in IHD expertise · Fully reviewable and auditable

ELLA • END TO END

One Ella query, two ready-to-use outputs



Dashboard

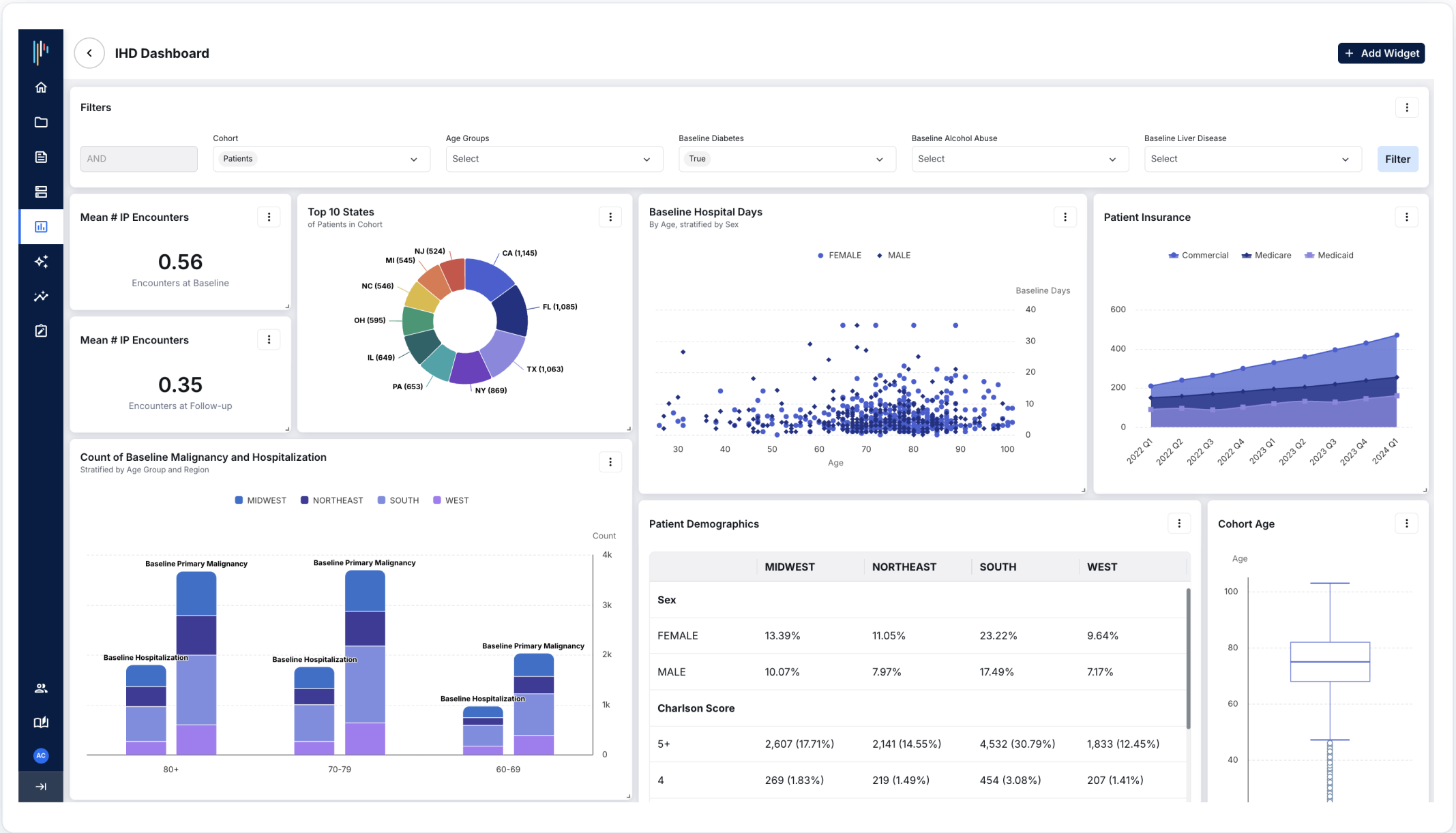
Explore your cohort and results right away



IHD Project

The underlying project, fully yours to refine

-  From data source to primary and secondary objectives, in one IHD project
-  Go faster from idea to output
-  Gen AI guides measure setup and build, your human-in-the-loop thought partner



WHY IT MATTERS The whole path from idea to evidence gets faster, with a human in the loop at every step.

Prebuilt clinically validated code lists streamline code list creation and consistency across your team, so you expedite time to evidence.

Navidence Code Lists in IHD

Used like any other IHD Code List to query Real World Data and build clinically validated RWE studies.

Navidence + Ella

Navidence Code Lists selected during an Ella conversation build a cohort and expedite time to evidence.

Code Lists

Create New Code List

Search...

Type: All

Coding System: All

Navidence Value Sets

Navidence: ☐ Show Archived: ☐ Utilities

Project Group	Name	Type	Coding System	Creator	Global	Last Updated	Actions
Navidence Value Sets	Navidence Abdominal Hernia Diagnoses (ICD-10-CM) V1	Diagnosis	ICD-10 Code	Navidence sync	Y	2026-06-09 12:35	Copy Delete Archive
Navidence Value Sets	Navidence Abdominal Hernia Diagnoses (ICD-10-WHO) V1	Diagnosis	ICD-10 WHO Code	Navidence sync	Y	2026-06-09 12:35	Copy Delete Archive
Navidence Value Sets	Navidence Abdominal Pain Diagnoses (ICD-10-CM) V1	Diagnosis	ICD-10 Code	Navidence sync	Y	2026-06-09 12:35	Copy Delete Archive
Navidence Value Sets	Navidence Abdominal Pain Diagnoses (ICD-10-WHO) V1	Diagnosis	ICD-10 WHO Code	Navidence sync	Y	2026-06-09 12:35	Copy Delete Archive
Navidence Value Sets	Navidence Abiraterone Therapy (RxNorm) V1	Medication	RxNorm Code	Navidence sync	Y	2026-06-09 12:02	Copy Delete Archive
Navidence Value Sets	Navidence Abnormal Sputum Diagnoses (ICD-10-CM) V1	Diagnosis	ICD-10 Code	Navidence sync	Y	2026-06-09 12:36	Copy Delete Archive
Navidence Value Sets	Navidence Abnormal Sputum Diagnoses (ICD-10-WHO) V1	Diagnosis	ICD-10 WHO Code	Navidence sync	Y	2026-06-09 12:36	Copy Delete Archive
Navidence Value Sets	Navidence Abnormal Sputum Diagnoses (SNOMED CT US) V1	Diagnosis	SNOMED Code	Navidence sync	Y	2026-06-09 12:35	Copy Delete Archive
Navidence Value Sets	Navidence Absolute Neutrophil Count (ANC) Lab Tests (LOINC) V1	Finding	LOINC Code	Navidence sync	Y	2026-06-09 12:36	Copy Delete Archive


Ella AI Chat

Data NorstellaiLinQ Closed/Open/Lab/EMR 2017 thru
Source: 2025-02

Update

Home

Projects

Code Lists

Data

Dashboards

Ella AI

LinQ Not...

Users

Resources

MO

Chat History

- Query period: 2023-01-01 to 2023-12-31
 - Washout: 6 months
 - Sex: Any
 - Age: 18 to 200

 Please confirm or correct these.

 Next, for the inclusion criterion (heart failure as a Diagnosis):
 - Do you have a code list you want to use on screen (e.g., ICD-10 I50.* and related), or would you like help searching and curating a heart failure diagnosis code list?

[UI: Code List Selection] Selected: 'Navidence: Heart Failure (HF) (Broad) V1 [ICD-10] [Diagnosis]' (id: 1d8f436901e7faed88dc3acf)



Great, I have your simple details and the HF diagnosis code list.

Simple details captured:

- Query period: 2023-01-01 to 2023-12-31
- Washout: 6 months
- Sex: Any
- Age: 18 to 200
- Inclusion event: Diagnosis = Navidence: Heart Failure (HF) (Broad) V1 [ICD-10] [Diagnosis] (id: 1d8f436901e7faed88dc3acf)

Next, how would you like to confirm inclusion?

- Single: one qualifying HF diagnosis
- Two Encounters at least X days apart: please specify X (e.g., 30)
- 1 Inpatient or 2 Outpatient

+

Ask Ella

A

Verify important information
Powered by Norstellai AI

IHD · NEW FEATURE

Dashboards

An even more intuitive way to visualize your data and analysis, augmenting the reporting function so your team moves faster from results to decision-ready reporting.

A more intuitive way to visualize your RWE

Augmenting the reporting function with a more modular experience, so you move faster from results to reporting.

Modular, no-code widget builder

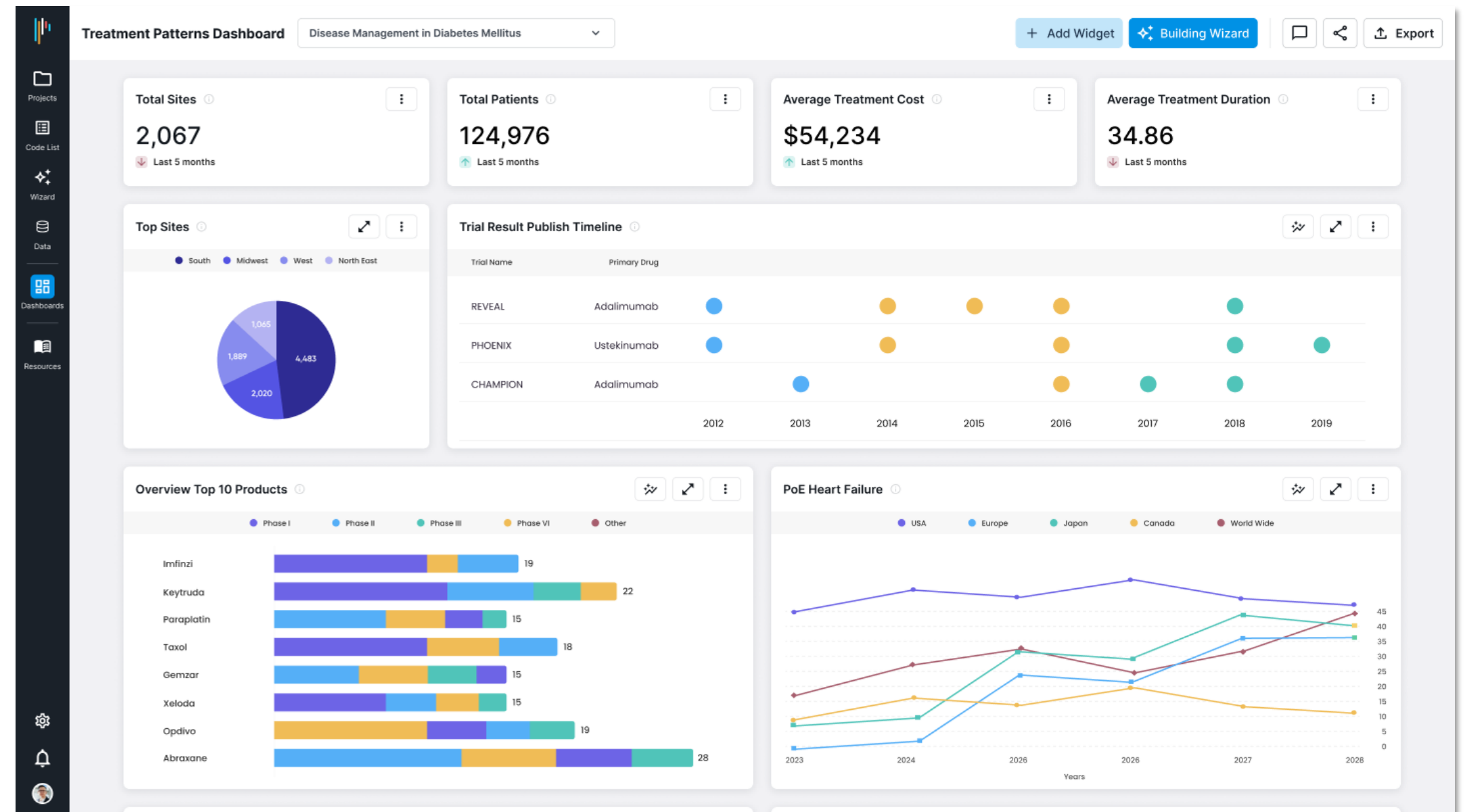
Point-and-click creation, fully customizable, no programming required

Expanded chart library

New chart types and richer layouts for your analysis

Customizable SQL, R, and Python widgets

Build exactly the view your study needs



Report-grade RWE outputs that are exportable and ready for your team to act on.

IHD · ADVANCED ANALYTICS

ADD-ON

Model Studio

Take your analyses beyond typical evidence generation, right inside your IHD projects.

Beyond typical evidence generation

A **no-code machine learning** environment built into IHD for predictive modeling and advanced analysis, feeding directly into your evidence generation.

Predictive modeling and machine learning

Supervised, unsupervised, and survival ML, no coding required

Compare models, understand the drivers

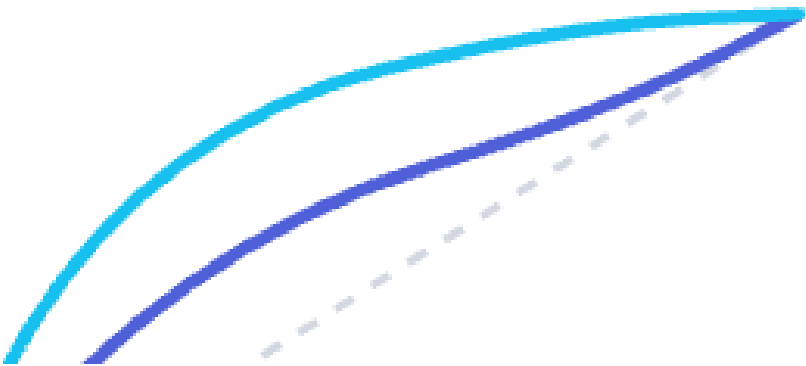
Surface the drivers and non-linear effects traditional methods miss

Feed predictions back into IHD

Predictions flow back into your IHD projects and evidence generation

ROC curve

AUC 0.871



Model	Type	AUC
XGBoost	Gradient boosting	0.871★
Random Forest	Ensemble	0.866
LASSO	Regularized regression	0.842
Logistic	GLM	0.821

0.871

Best AUC

8

Algorithm Families

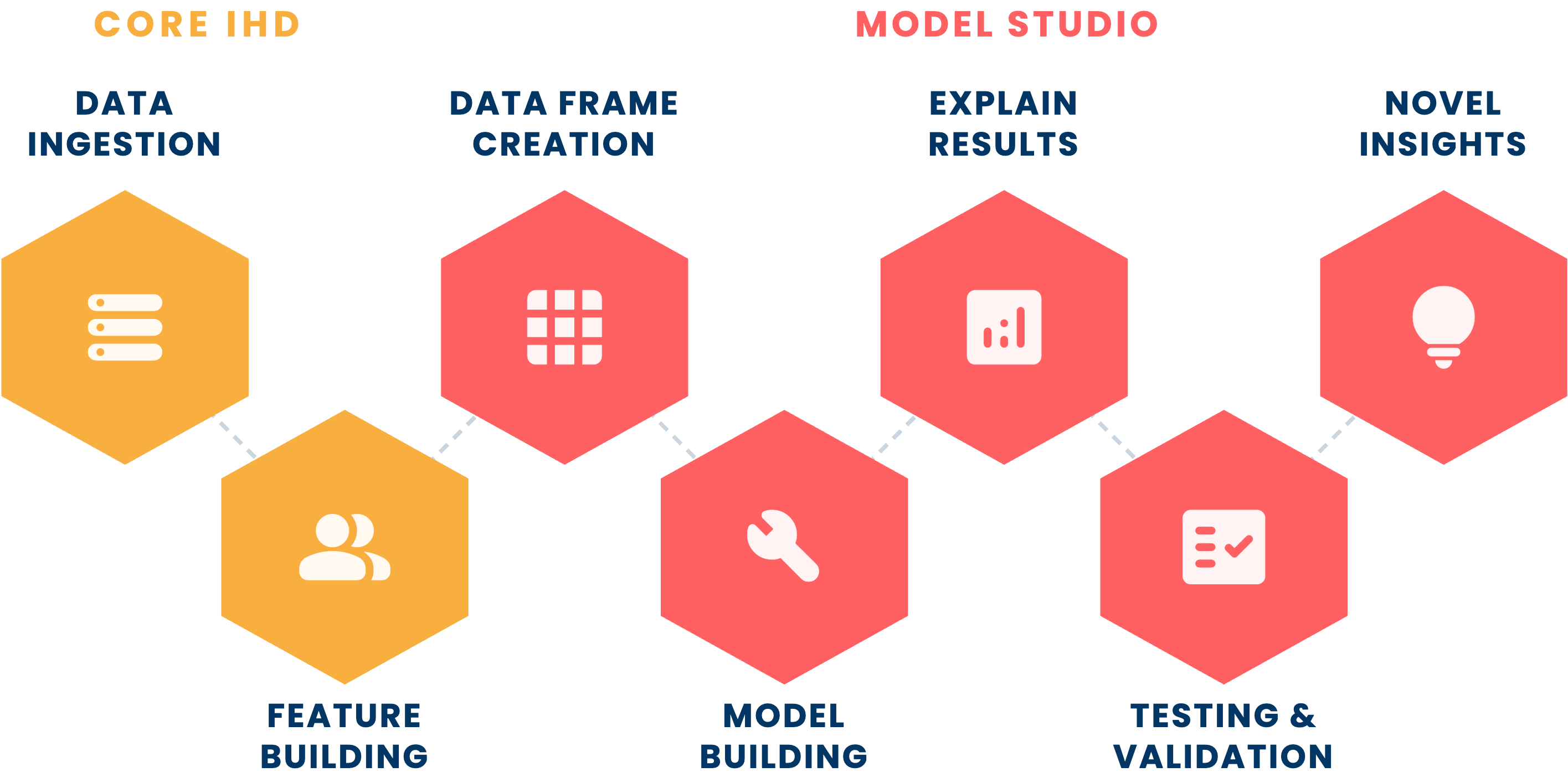
5-fold

CV Validation

WHY IT MATTERS Advanced analysis that goes beyond typical evidence generation, feeding directly back into your IHD projects.

For complex data science questions, the IHD Model Studio workflow

Model Studio extends your Core IHD project into predictive modeling, then returns novel insights to your evidence.



Core Features by Quarter

Alongside the larger releases, our team updates IHD with day-to-day enhancements that make your everyday experience in the platform better.

Q1

- Enhancements to reduce project runtimes
- Event Specs: "does not match regex" support
- Processing mode to IIP2OP
- Reduced load times for Dataset Viewer and Patient Viewer
- Percent of cohort added to attrition waterfall

Q2

- Propagate measure name changes to dependent measures
- Badge added to "What's New"
- More informative errors across the platform
- Dataset Viewer: increased visibility into loading times and status
- New option in PDC measure to toggle inpatient days
- Improved UX in Measure Event Specification and Record Property Modals

Q3

- Pop-up error messages now display clearer, more descriptive content
- New Rev Code Location column in the Encounter Viewer
- Cohort name now shown in cohort modal for clear context
- New option to show Unique Values in Payor measure
- Access Measure Definitions Directly from Project Measures
- Filter Patient JSON by Source Dataset
- Code List Comparison Available for Download

IHD · ON THE HORIZON

Coming Soon

More updates and features are on the way.

IHD · ON THE HORIZON

Here's where we want to go next in IHD



Ella AI Across All of IHD

Ella embedded throughout every IHD module, making AI assistance available at every step of your workflow, not just in select features.



Ella in Dashboards

Ask Ella to create, edit, and refine widgets and visualizations directly in your dashboard, reducing manual configuration and getting you to insight faster.



AI-Driven Document Exporter

Ella generates a structured summary of your completed IHD study, pulling results, charts, and interpretation into a single share-ready document, no manual assembly required.

WE WANT TO HEAR FROM YOU

Interested in shaping what comes next in IHD?

If you would like to join a focus group or a one-on-one conversation about upcoming features and what you'd like to see in IHD, reach out to your Customer Success Manager and we will add you to the next round.



Feedback Session



1:1 Conversations

ai.norstella.com

INTERESTED?

Let's talk about adding this to your IHD license

If anything we presented today is a fit for your team, reach out to your Customer Success Manager and we will walk you through the details and what makes sense for you.

YOUR CUSTOMER SUCCESS MANAGERS



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Thank You

Questions? We'd love to hear from you.