

Demand Prediction and Management Tool Step-by-step Training Guide

Health Sector
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Content Overview



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This step-by-step guide helps users navigate the Demand Prediction and Management Tool to analyse forecast data and manage uploads. It forms part of the training materials provided for the solution, alongside the [training video](#) for the HQM (Spain) pilot in the Health Sector.

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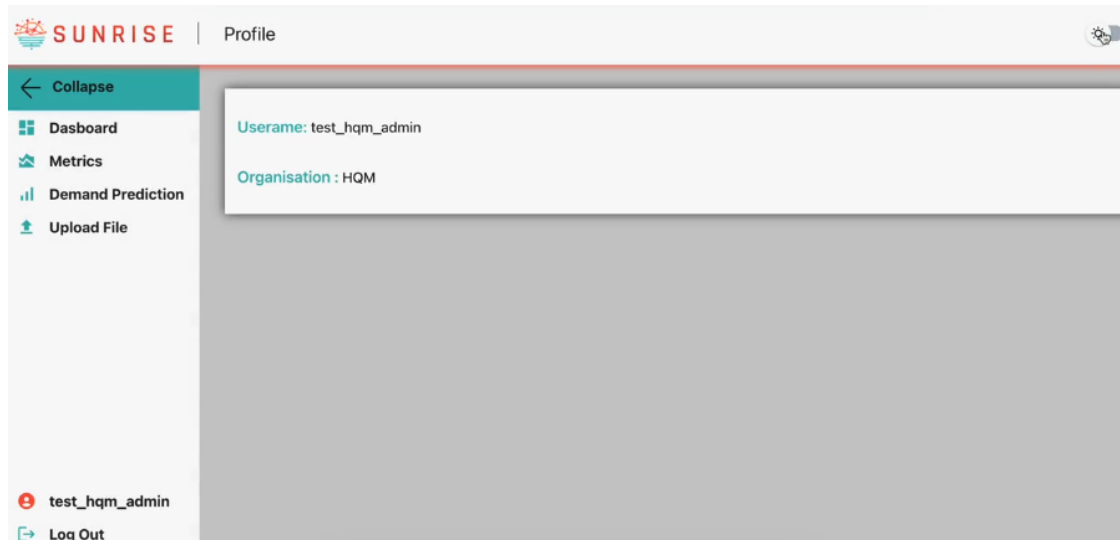
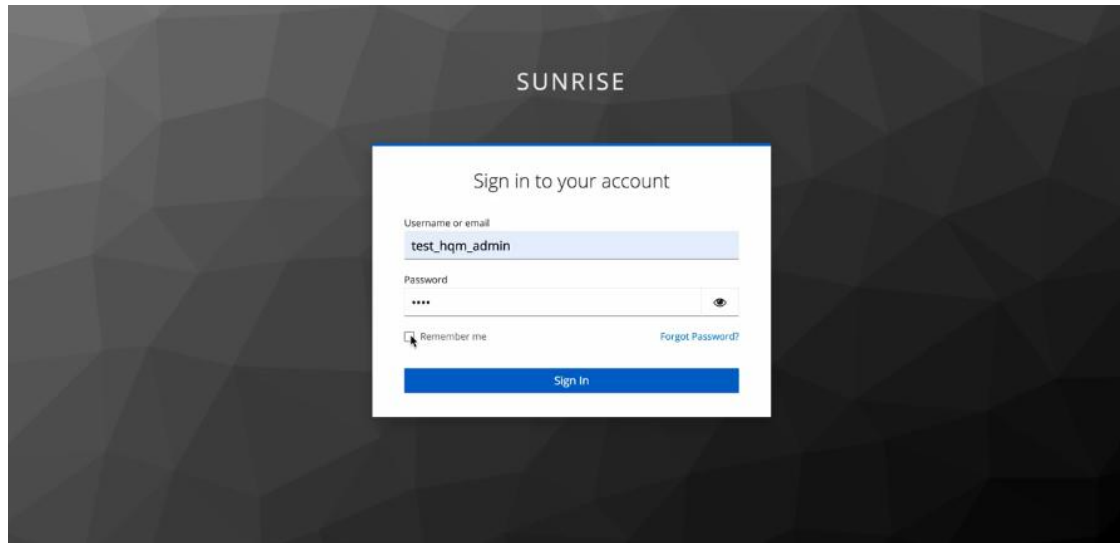
03

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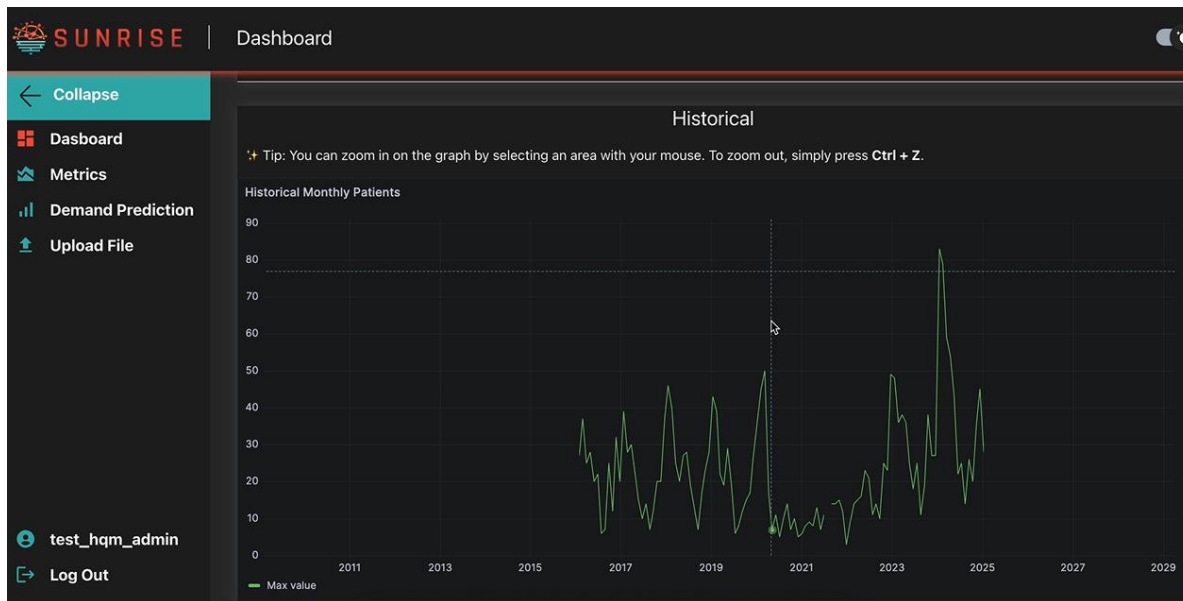
Logout

Login & Interface



- + Begin by entering your credentials on the login screen.
- + Select the “**Remember Me**” option if you wish to stay signed in on future visits.
- + After logging in, the main dashboard loads, featuring a left-hand sidebar with navigation links and a toggle to switch between **dark and light themes**.

Dashboard Page



- + Use the dropdown menus to **filter data by district**.
- + Explore **interactive time series graphs** of uploaded health-related data.
- + You can zoom into specific time ranges and **use Ctrl + Z to reset the view** to its default zoom level.

Metrics Page



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- + Navigate to the Metrics section to **evaluate model performance**.
- + Apply filters to select the district and data category.
- + Performance metrics such as:
 - › **RMSE** (Root Mean Squared Error)
 - › **MAPE** (Mean Absolute Percentage Error)are displayed in a structured table for easy comparison.

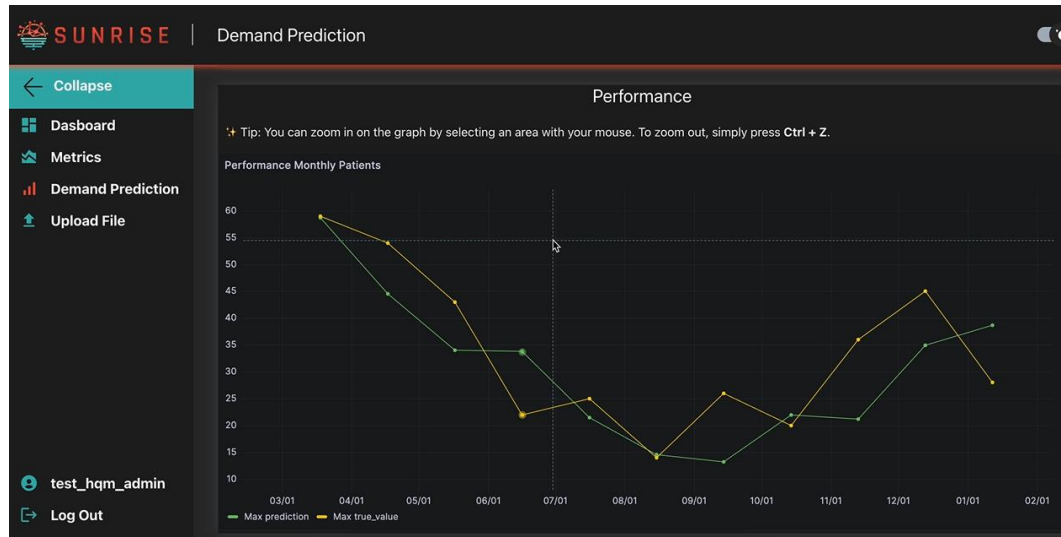
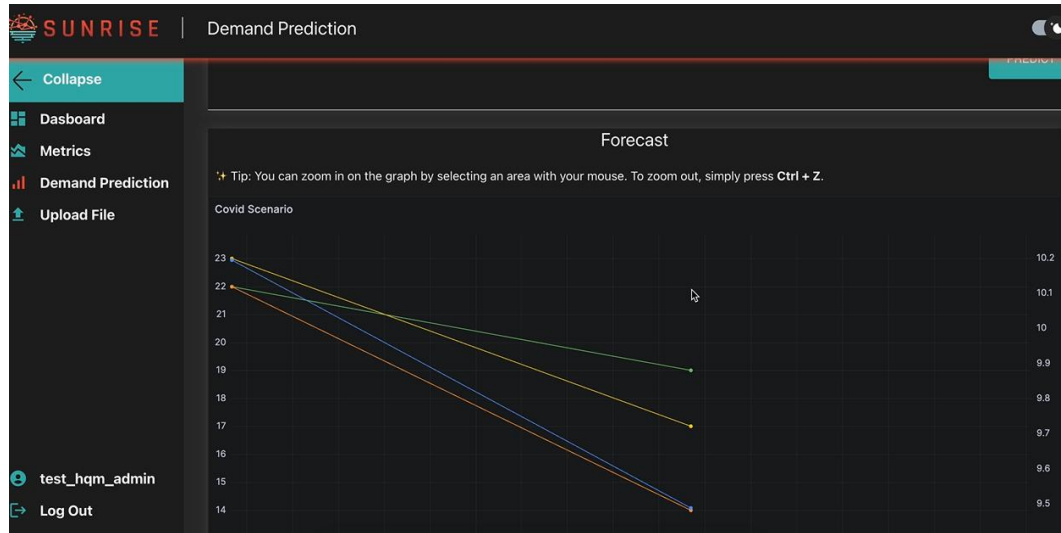
Patients Monthly Metrics

Name	Value
rmse	9.172928810119629
mape	24.688722610473633
mse	7.7275549212800625

Demand Prediction Page

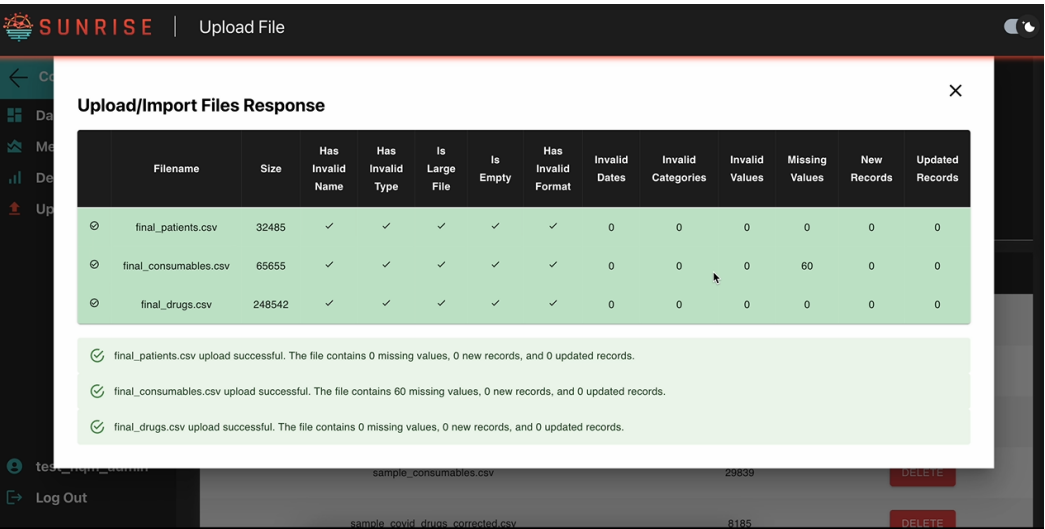
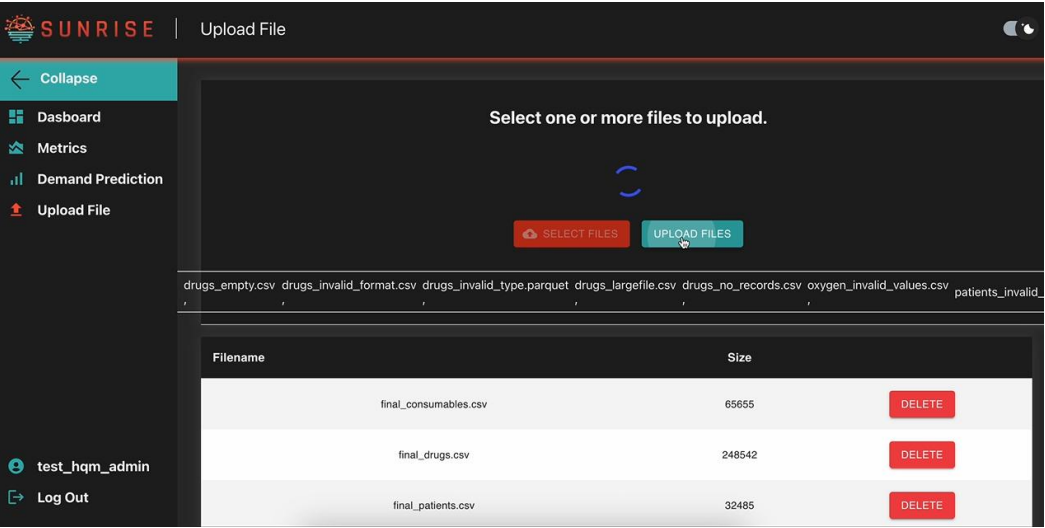


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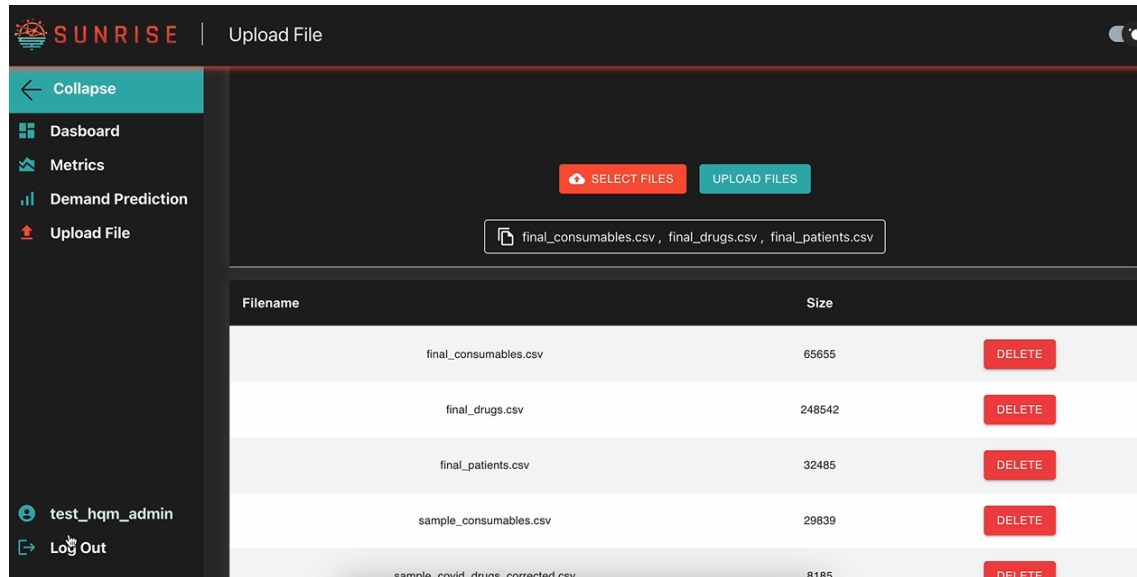
- + Go to the Demand Prediction page and select your **district and forecast time interval** to view upcoming demand projections.
- + Two graphs are provided:
 1. A **forecast graph** showing demand under three different COVID scenarios (low, moderate, and high), along with temperature trends.
 2. A **training comparison graph** displaying predicted values versus actual data, helping users assess model accuracy.

File Upload Page



- + Upload **one or multiple data files** through the file upload interface.
- + The system automatically performs **validation checks** for: type, size, and missing values.
- + Invalid files will be flagged in **red** with an explanation of the issue.
- + Valid files appear in **green** and will immediately initiate model training upon upload.
- + File naming must contain one keyword only: drugs, consumables, oxygen, or patients.
E.g. oxygen_data_202401.csv ✓, patients_drugs.csv ✗
- + After upload, dashboard and metrics update automatically. You can delete uploaded files and data.

Logout



- + When finished, simply click to **log out** and end your session securely.



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Thank you for following the training.

For more information:
<https://sunrise-europe.eu/>



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