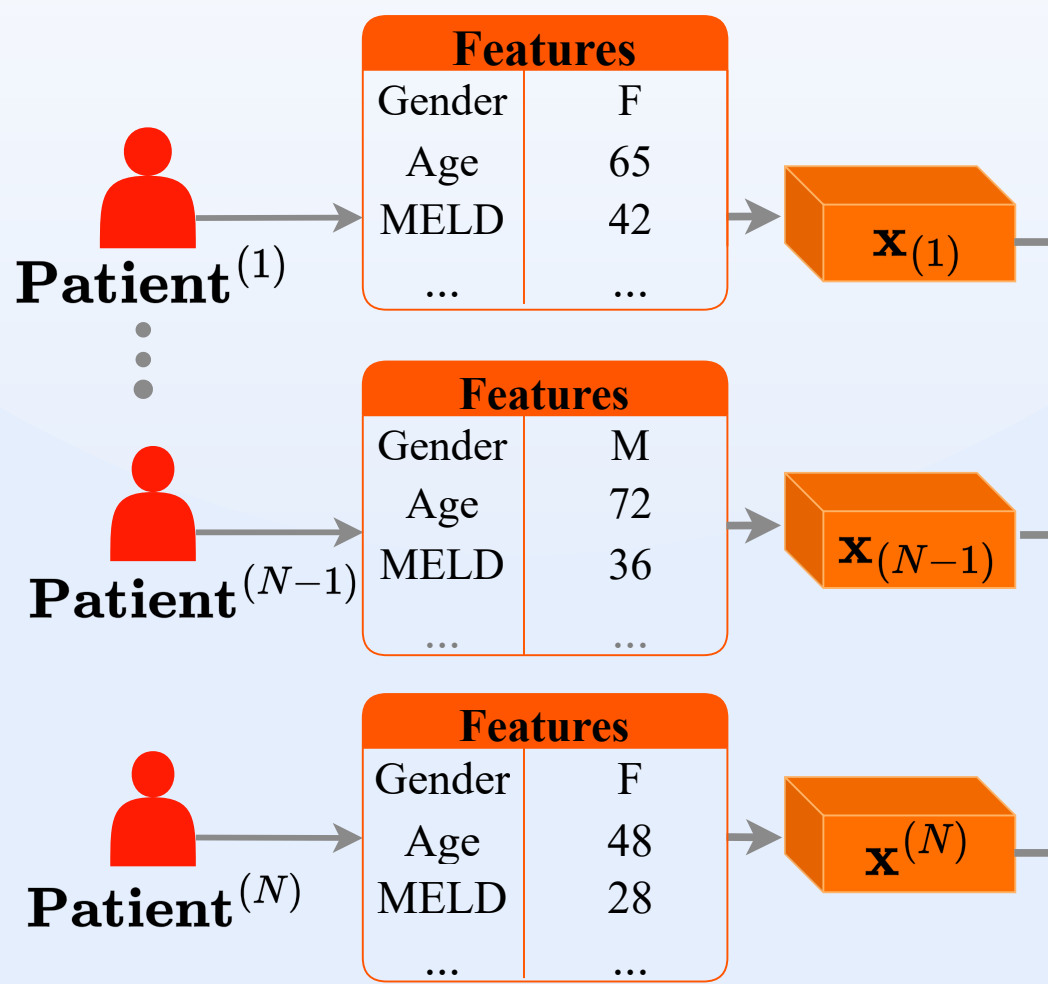
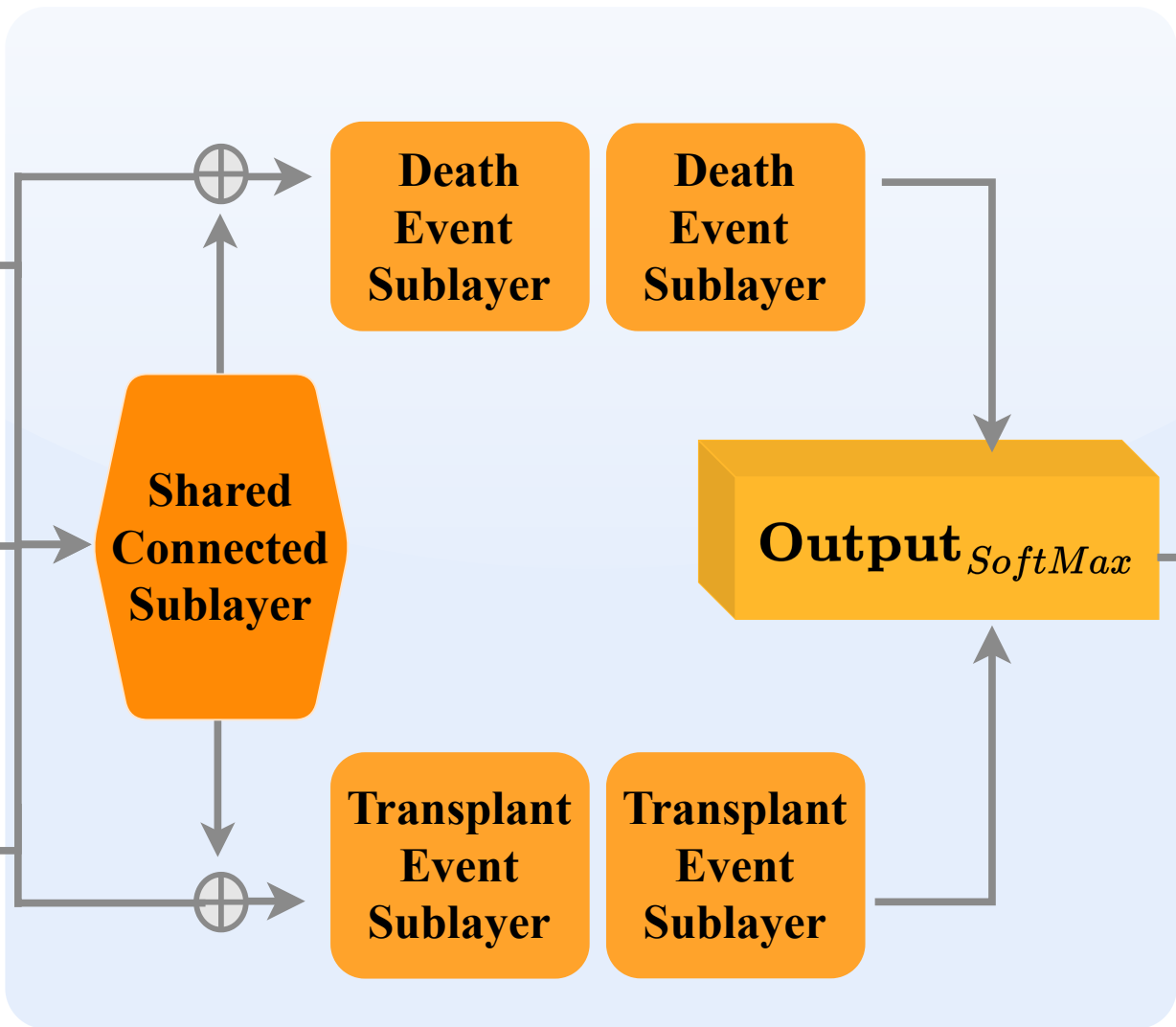


Using DeepNASH to Predict NASH patient trajectories on the Liver Transplant Waitlist

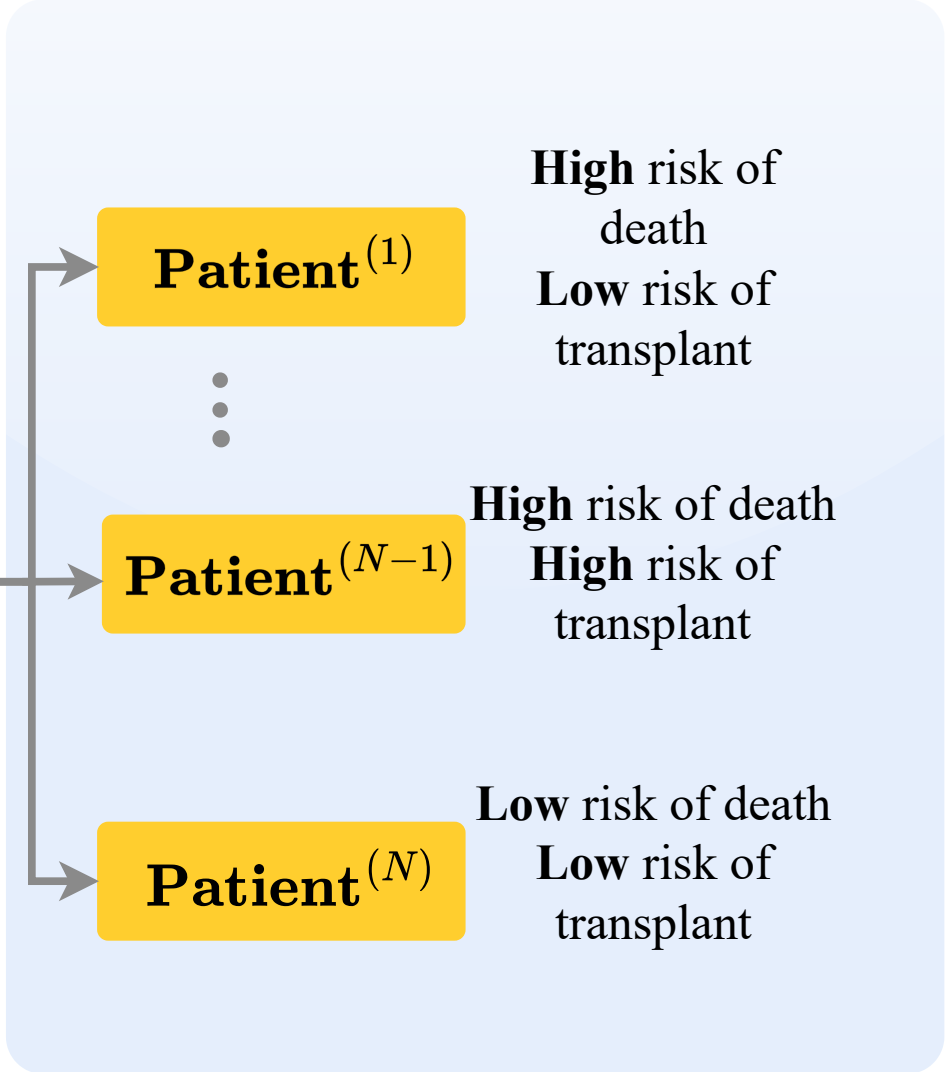
1. NASH Patient Variable Extraction



2. DeepNASH Neural Network



3. Prediction



4. Clinician Insights

Clinical interpretation



Unlikely to attract an organ offer soon, measures must be taken to reduce mortality, can seek living donor options



Likely to undergo transplant soon, measures must be taken to reduce mortality



Likely stable condition, may advise patient to seek living donor options

DeepNASH Dashboard

Upload .csv file with patient data to DeepNASH Dashboard

Step 1: Upload Data

You need to upload a csv file.

[Download input template](#)

Choose a file containing patient logs:



Drag and drop file here
Limit 200MB per file

[Browse files](#)

DeepNASH forecasts the trajectory of the NASH patient after waitlisting by predicting monthly risks of death and transplant

DeepNASH

Plot Predictions

Select patient

0

Patient 0 Prediction



Retrospective Model Performance: Competing Event Coherence Score

$$\mu - score = \frac{1}{M} \sum_{m=1}^M \mu_m$$

M is the number of patient who have had the event by time t

At actual event time t^* , predicted risk of actual event is higher than the competing event

Coherence
 $\mu_m = 1$

Incoherence
 $\mu_m = 0$