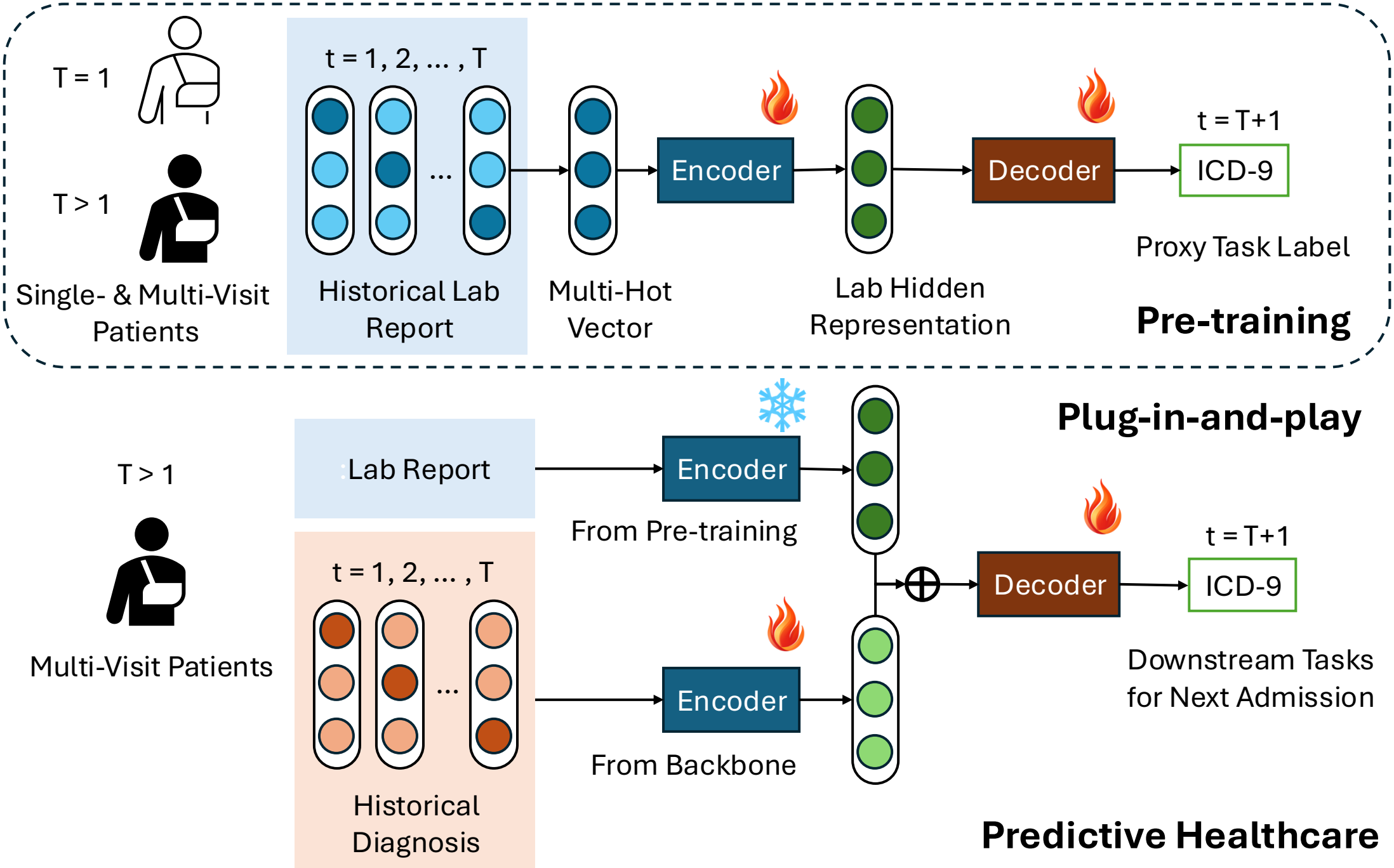
T = 1
T > 1
Single- & Multi-Visit Patients
t = 1, 2, ... , T
Historical Lab Report
Multi-Hot Vector
Encoder
Lab Hidden Representation
Decoder
t = T+1
ICD-9
Proxy Task Label
Pre-training
Plug-in-and-play
T > 1
Multi-Visit Patients
Lab Report
Encoder
From Pre-training
t = 1, 2, ... , T
Historical Diagnosis
Encoder
From Backbone
Decoder
t = T+1
ICD-9
Downstream Tasks for Next Admission
Predictive Healthcare