

# Continual Learning Overview

## Continual Learning

The ability to continuously learn new data and knowledge while maintaining previously learned content

## Need for Medical AI

Medical knowledge and clinical protocols continuously change, and AI models must adapt accordingly

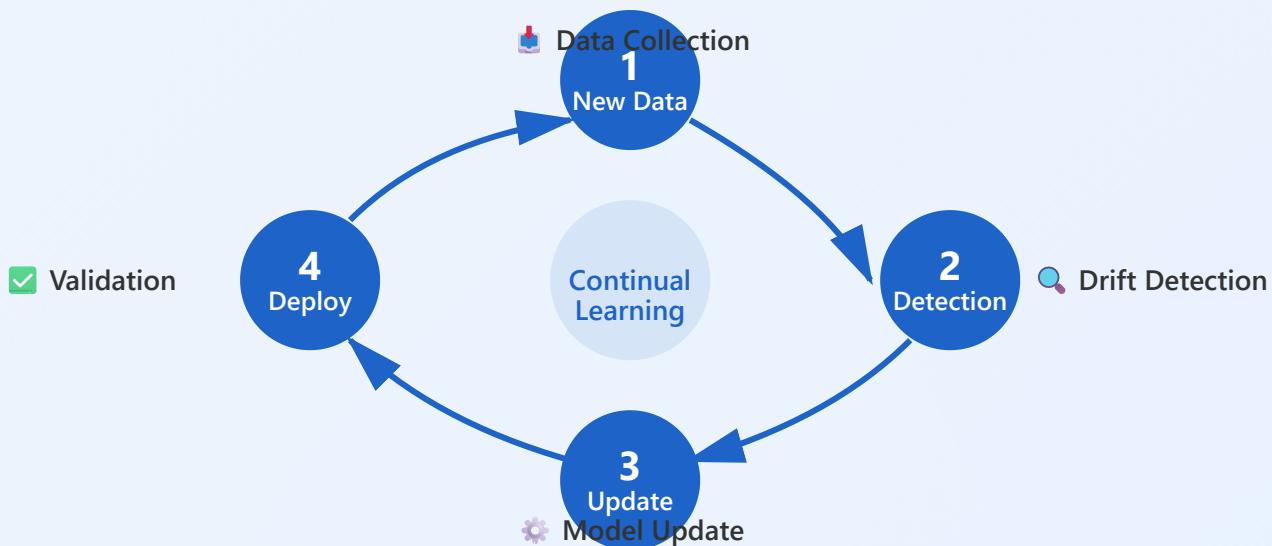
## Concept Drift

The phenomenon where data distribution and medical concepts change over time

## Real-time Adaptation

Model update mechanism that quickly adapts to new diseases, treatments, and patient characteristics

## Medical Knowledge Update Cycle



### ⌚ Knowledge Evolution Timeline

