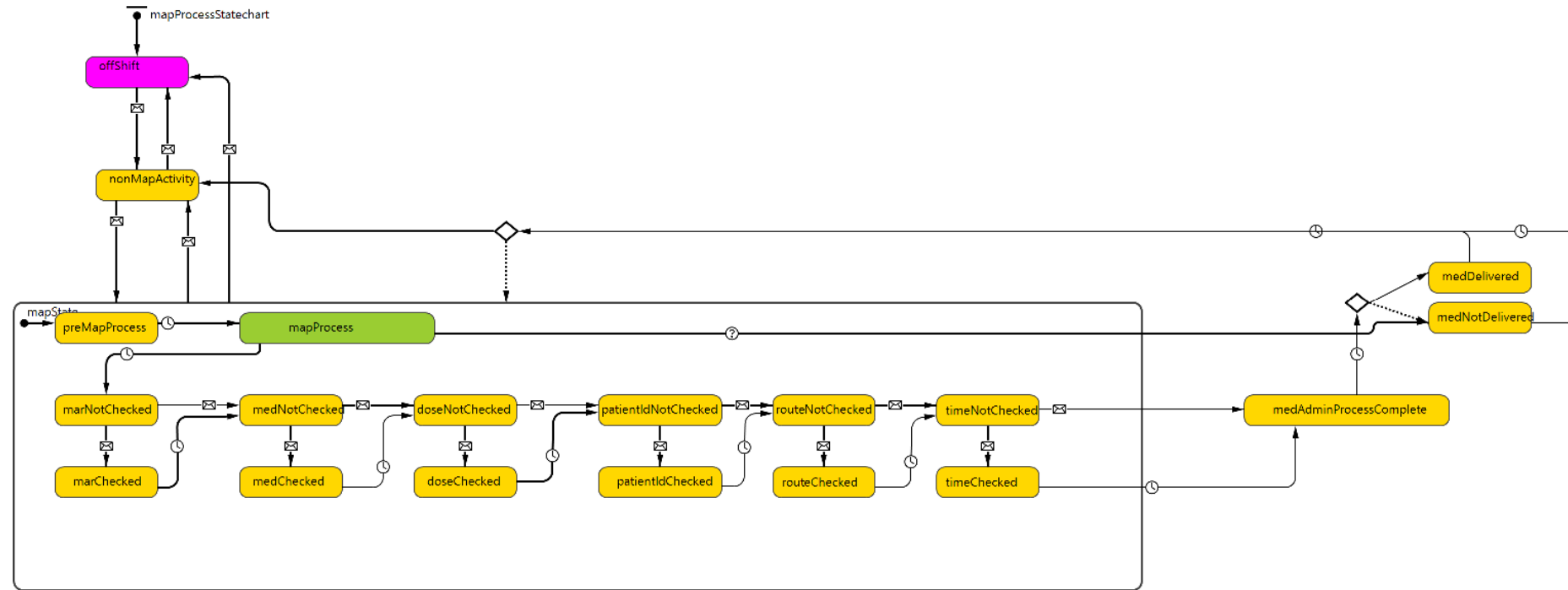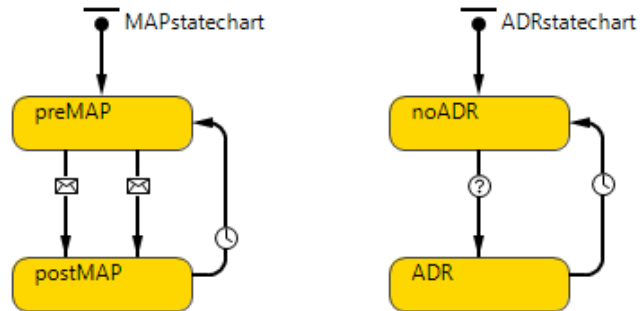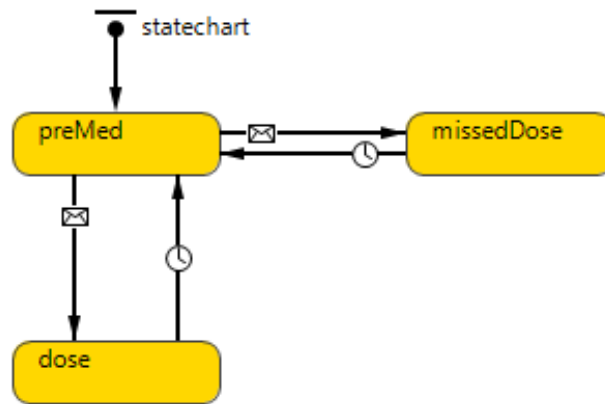# Nurse-agent process flow diagram

The nurse-agent process flow diagram represents each of the process steps this agent steps through in their portion of the medication administration process. The nurse-agents are staged in the nonMapActivity step and then enter in to the dedication administration process. Each agent flows through the process steps with the probability of each step occurring based on the individual attributes of the individual agent and their affect on the associated probability distribution.

Patient-agent process flow diagram

The patient-agent process flow diagram represents the process steps representing the agent receiving a medication it is assigned and if they have and adverse drug reaction (ADR). These process steps are tied to the nurse-agents process steps by using the information transfer functions of the development program used in the development of the NMAM model.

Medication-agent process flow diagram

The medication-agent process flow diagram represents status of the medication as the nurse and patient agents progress through their respective processes.   At the time the nurse-agent administers a medication to a patient-agent, the medication changes from the preMed state to the dose state. If the nurse-agent dose not deliver the medication to the patient-agent, the medication is instead transitioned to the missed dose state.