

Agent Based Simulation

Profiles & Activities Schedule



Contacts generation

Epidemic Dynamics



Healthy / Infected /
Incubated / Symptoms
Retired / Quarantined

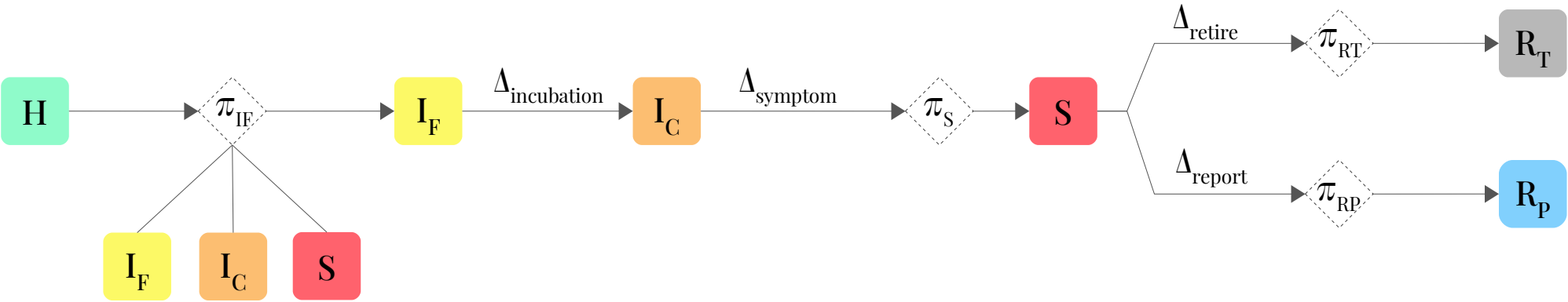
Contact-tracing app



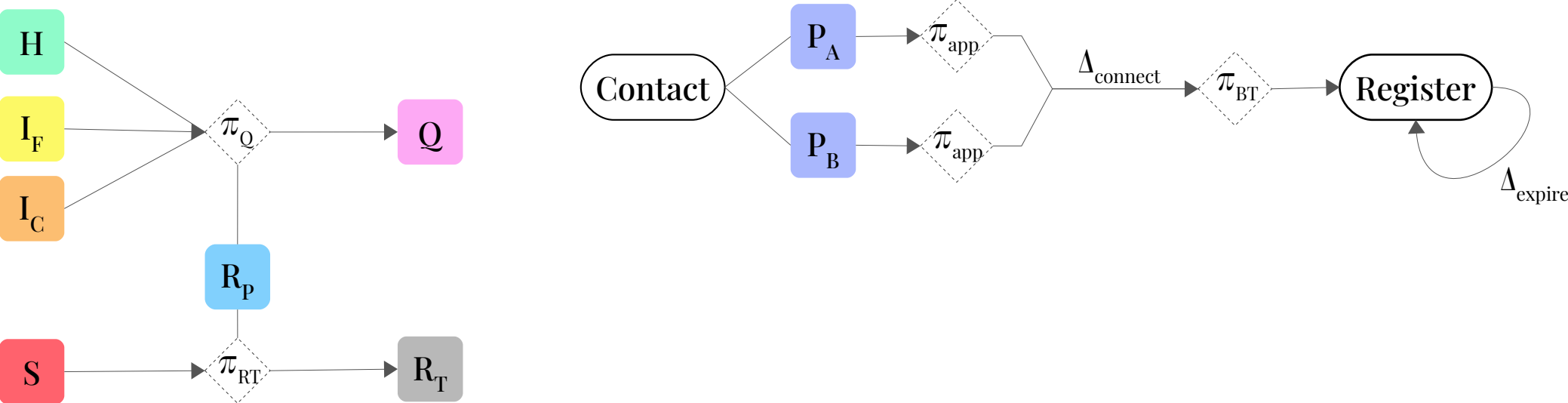
Report / Alert

Agent-based model (ABM)

Epidemic Dynamics



Contact-tracing app



Activities Schedule

Office & Meetings

State	<div>H</div> Healthy	Period	<div>$\Delta_{incubation}$</div> Incubation	Probability	<div>π_{IF}</div> Infection
	<div>I_F</div> Infected		<div>$\Delta_{symptom}$</div> Symptoms		<div>π_S</div> Symptoms
	<div>I_C</div> Incubated		<div>Δ_{retire}</div> Retire		<div>π_{RT}</div> Infection
	<div>S</div> Symptoms		<div>Δ_{report}</div> Report		<div>π_{RP}</div> Report
	<div>R_T</div> Retired		<div>$\Delta_{quarantine}$</div> Quarantine		<div>π_Q</div> Quarantine
	<div>Q</div> Quarantine		<div>$\Delta_{connect}$</div> Connect		<div>π_{app}</div> App running
	<div>R_P</div> Reported		<div>Δ_{expire}</div> Data Expire		<div>π_{BT}</div> Bluetooth