Emergency Department Triage System

ESI (Emergency Severity Index) Automation

Triage Flow

1	**2**	**3**	**4**	**5**
Immediate	Emergent	Urgent	Less Urgent	Non-Urgent
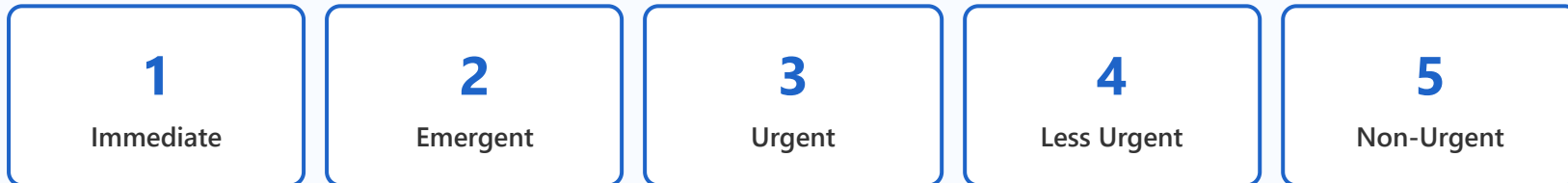
AI System Performance

‣ Accuracy:**92%**

‣ Processing Time:**30 sec reduction**

‣ Nurse Burden:**40% decrease**

‣ Mis-triage Rate:**5% improvement**

Key Features

‣ Real-time vital sign analysis

‣ Symptom-based priority determination

‣ Past medical record integration

‣ Healthcare staff final approval system