

# DATA ANNOTATION FOR AI APPLICATIONS IN HEALTHCARE

## VIRTUAL ASSISTANCE

### Data extraction for virtual assistants

Training chatbots and virtual assistants to monitor health status, schedule doctor appointments and provide medication reminders.

### Sentiment/intent analysis for natural language understanding powered robots

Training Conversational Robots with Natural Language Understanding to aid in assessment, monitoring, and therapy for older adults with Alzheimer's disease.



## DIAGNOSIS

### Medical image annotation for diagnostic support

Annotation of Medical images such as MRIs, X-rays, and CT scans for pneumonia diagnosis and accurate embryo classification for IVT treatment.

### Thermal image annotation for early diagnosis

Object detection on thermal images for early diagnosis of breast cancer and quick identification of pedestrians with high temperatures.

## MEDICINE

### Pattern recognition for drug development

Advancing the search for chemical and biological interactions for faster and accurate drug development.

### Data extraction for personalized drug treatment

Extracting an individual's data to find appropriate drug combinations along with a dosing strategy over time.



## SURGERY

### Precision annotation and labeling for robotic surgery

Labeling of critical structures, lesion detection and phase identification in millions of frames of surgical videos, to make surgeons better and surgery safer. For instance, pixel level annotation carried out of various anatomic structures within a Robotic Coronary Artery Bypass Graft video.

## FOLLOW-UP & MAINTENANCE

### Entity recognition to power chatbots

Dissecting text and audio in medical records, digital documents, and clinical trial data to power chatbots and automate administrative tasks and follow-up.

### Transcription for record management

Audio and text transcription to digitize important speech or handwritten information from patient sheets or medical records.

