

# IQVIA Human Assisted Review Tool (HART)

# Efficiency, Accuracy, Collaboration: Empower your annotation workflow

IQVIA Human Assisted Review Tool (HART) combines human precision with industry-leading NLP. It is the ultimate solution for seamless annotation and efficient labeling. With our powerful tool, you can unlock the full potential of your data by streamlining collaborative workflows, leveraging automation, large language models, and expert curation. Boost your team's labeling efficiency, save time, and achieve superior results through streamlined teamwork with HART.

# AI - powered interactive curation:

- Automation Boost: Achieve 65% annotating efficiency gains with model-assisted labeling, allowing focus on corrective actions and generating ground truth
- Seamless Integration: Save time by uploading your foundational model directly into HART, effortlessly incorporating insights
- Native Format Support: Annotate, review, and manage data in its original format, including text and PDFs
- · Powerful Annotation Capabilities: Utilize HART's editor for classifications, entity recognition, and relationship establishment
- Enhanced Accuracy: Combine human expertise with industry-leading NLP technology for higher accuracy and valuable insights

# Key benefits



#### **NLP** ecosystem integration:

Seamlessly integrate HART with your NLP ecosystem, enabling query and model refinement as well as validating diverse data sets



#### **Streamline** collaborative workflows:

A dynamic assignment table to streamline annotation, ensuring smoother collaboration and productivity



### Customizable annotation templates:

Leverage domain experts' templates to extract essential information from unstructured text, tailoring annotations with ease



### **OCR processing:**

Seamlessly annotate, effortlessly extract and mark text from PDFs and tables. Easily toggle between the original PDF to ensure no logos, signatures, and watermarks are missed



#### Code-less user interface:

Embrace HART's code-less interface, empowering all users to start quickly and efficiently without prior NLP experience, ensuring smooth adoption and optimal usability



**Built-in** ontologies: Maximize annotation accuracy with HART's built-in ontologies, validating existing matches within documents and enabling data validation for more precise results





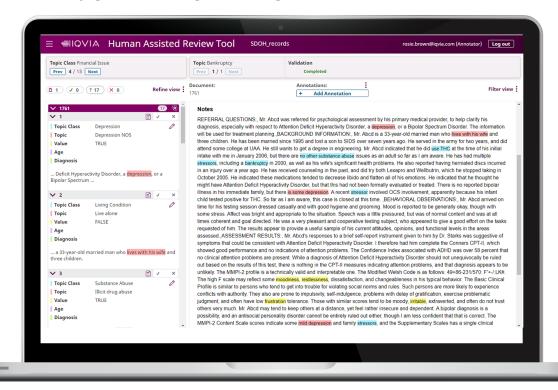








Figure 1: HART's review page for annotating and curating NLP results











## **Safety regulation** compliance

Ensure safety regulation compliance with HART's entity recognition and data normalization. Standardize features into MedDRA codes and IDMP standards, streamlining compliance Machine learning integration.

### **Medical Affairs** and HEOR

**HART enhances MSL** note refinement workflows by extracting and refining attributes, streamlining workflow and model refinement processes. It also supports systematic literature reviews, ensuring accurate inclusion and enabling evidence-based decision-making in medical affairs.

# Social Determinants of Health (SDOH) Insights

Extract SDOH from EMR with HART for population health insights. Make informed public health decisions at the provider and community levels, driving proactive interventions.

# **Machine learning** integration

Improve query and model development by reviewing features and annotating data to refine NLP workflows. HART creates gold standards and refines LLMs (BERT) resulting in more precise and effective language models, driving natural language processing.

**CONTACT US** 

+44 (0)1223 651 910 (U.K.) | +1 617 674 3256 (U.S.)

