



# DataForce For Life Sciences

Faster Patient Care with Smarter AI

**DATAFORCE**  
BY TRANSPERFECT

[www.transperfect.com/dataforce](http://www.transperfect.com/dataforce)  
[dataforce@transperfect.com](mailto:dataforce@transperfect.com)



## 01

## End-to-End Chatbot Solutions

One of the most popular uses of AI for healthcare and life sciences organizations is to provide faster patient care—especially when call centers have a high number of patient requests in addition to reduced capacity during times of crisis. Chatbots have already been widely adopted on websites, call centers, social media, and instant messaging apps. They can respond to questions and provide medical information to patients, covering up to 80% of queries instantly and freeing staff to deal with more urgent requests. More recently, companies have also started using chatbots internally and for OTC customers.



### How We Can Help

DataForce can help all chatbot providers collect patient prompts from a diverse target group, categorize or identify prompts into predefined groups, translate the chatbot's responses, and run user tests to ensure the responses are linguistically and culturally accurate.

DataForce chatbot services include:

- Prompt collection/generation (speech and text)
- Intent classification and recognition
- Prompt and response localization
- Sentiment analysis

# 02

## Medical Imaging Annotation Outsourcing

AI has proven to be a valuable ally for radiologists and pathologists looking to accelerate their productivity and improve their accuracy. The top five use cases for AI in the imaging world are identifying cardiovascular abnormalities; detecting fractures and other musculoskeletal injuries; aiding in the diagnosis of neurological diseases (e.g., ALS); flagging thoracic complications and conditions; and screening for common cancers.



### How We Can Help

DataForce is a global network of medical professionals who are able to accurately annotate, transcribe, and localize your medical

imaging data. We can source the most suitable annotators for our customers based on the type of medical professionals the client requires.

# 03

## Entity Extraction

Healthcare analytics is a rapidly growing industry in the United States that is based on data collected from four areas: claims and costs, pharmaceutical and R&D, clinical electronic health records, and patient behavior and sentiment (e.g., retail purchases). Applications of healthcare analytics include designing treatment protocols, predicting patients' medical expenses, and even preventing suicide and patient self-harm.

The screenshot displays the DataForce Entity Extraction interface. On the left, there is a sidebar with 'Instructions' and 'Guidelines'. The main area shows a document titled 'Diabetes\_basics' with text about diabetes. Various phrases are highlighted with colored boxes and labeled with categories: 'Disease', 'Symptom', 'Type', and 'Cause'. A 'Labels' panel on the right lists the categories and their counts. A 'Submit' button is at the bottom right of the document area, and a 'Complete Task' button is at the bottom right of the interface.

**Instructions**

**Guidelines**

- Select text by clicking and dragging.
- Select the label in the drop-down list or press the label shortcut.
- Click on the label to change it.
- Click on the bin icon to remove it.

**Labels**

02 Tasks Completed

**Labels**

Disease	[1]	
Symptom	[2]	
Type	[3]	
Cause	[4]	

**Labels**

1 Disease 2 Symptom 3 Type 4 Cause

What is Diabetes?

Diabetes is a chronic (long-lasting) health condition that affects how your body turns food into energy. If you have diabetes, your body either doesn't make enough insulin or can't use the insulin it makes as well as it should. When there isn't enough insulin or cells stop responding to insulin, too much blood sugar stays in your bloodstream. Over time, that can cause serious health problems, such as heart disease, vision loss, and kidney disease.

If you have any of the following diabetes symptoms, see your doctor about getting your blood sugar tested: urinate (pee) a lot, often at night; are very thirsty; weight loss without trying; are very hungry blurry vision; have numb or tingling hands or feet; feel very tired; have very dry dry skin; have more infections than usual.

There are three main types of diabetes: type 1, type 2 and gestational diabetes (diabetes while pregnant).

Type 1 diabetes is thought to be caused by an autoimmune reaction (the body attacks itself by mistake) that stops your body from making insulin.

With type 2 diabetes, your body doesn't use insulin well and can't keep blood sugar at normal levels.

Submit

Complete Task

## How We Can Help

DataForce classifies large volumes of search queries based on your product categories, no matter what language your queries are in. After selecting the best-performing annotators

among our 1,00,000 global experts, we label your data and keep to high quality industry standards.

# 04

## OCR for Medical Records

In today's medical world, clarity, accuracy, and timeliness have become increasingly necessary for medical record keeping. This demands the digitalization of medical documents. Electronic health records eliminate the need to track down a patient's previous paper medical records and assist in ensuring data is accurate and legible.



### How We Can Help

DataForce improves the optical character recognition (OCR) models of our customers by offering handwritten data collection and image transcription services. OCR systems need immense handwritten data to train data

sets to recognize written text, and accurate image transcription digitizes handwritten data, building training data sets for image recognition models.

# 05

## Off-Site Data Collection

With a big push for remote capabilities, clinical trials and studies need innovative ways to collect patient data digitally.



### How We Can Help

TransPerfect's cloud-based voice, video, and text collection apps allow us to collect data from targeted cohorts in almost every country. DataForce has more than 1,000,000 participants registered in our global database and uses a set

of mobile and computer apps to collect, curate, label, and redact data from diverse groups based on the specific requirements of each study.

# 06

## Global Focus Groups

Focus groups with patient populations provide the ability to gather valuable data without adverse event exposure. With regional health regulators requiring trials within their country, study teams need flexible ways to collect data with reduced constraints that provide more scalability to pharmaceutical companies.



### How We Can Help

DataForce has extensive experience recruiting and running focus groups with as many as 1,500 diverse participants in up to six countries at the same time. Leveraging our structured database of 1,000,000 remote workers and an expert recruitment team, we can enlist, schedule,

moderate, and record focus groups based on our clients' requirements. Thanks to our cloud-based data processing platform, we can label and redact the recorded data whether it is in video, audio, or text format.