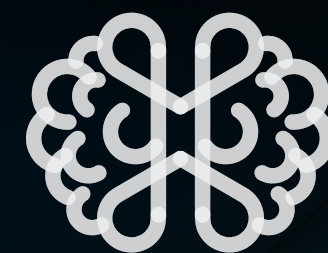


# AI IN MEDICINE



## 5 amazing use cases

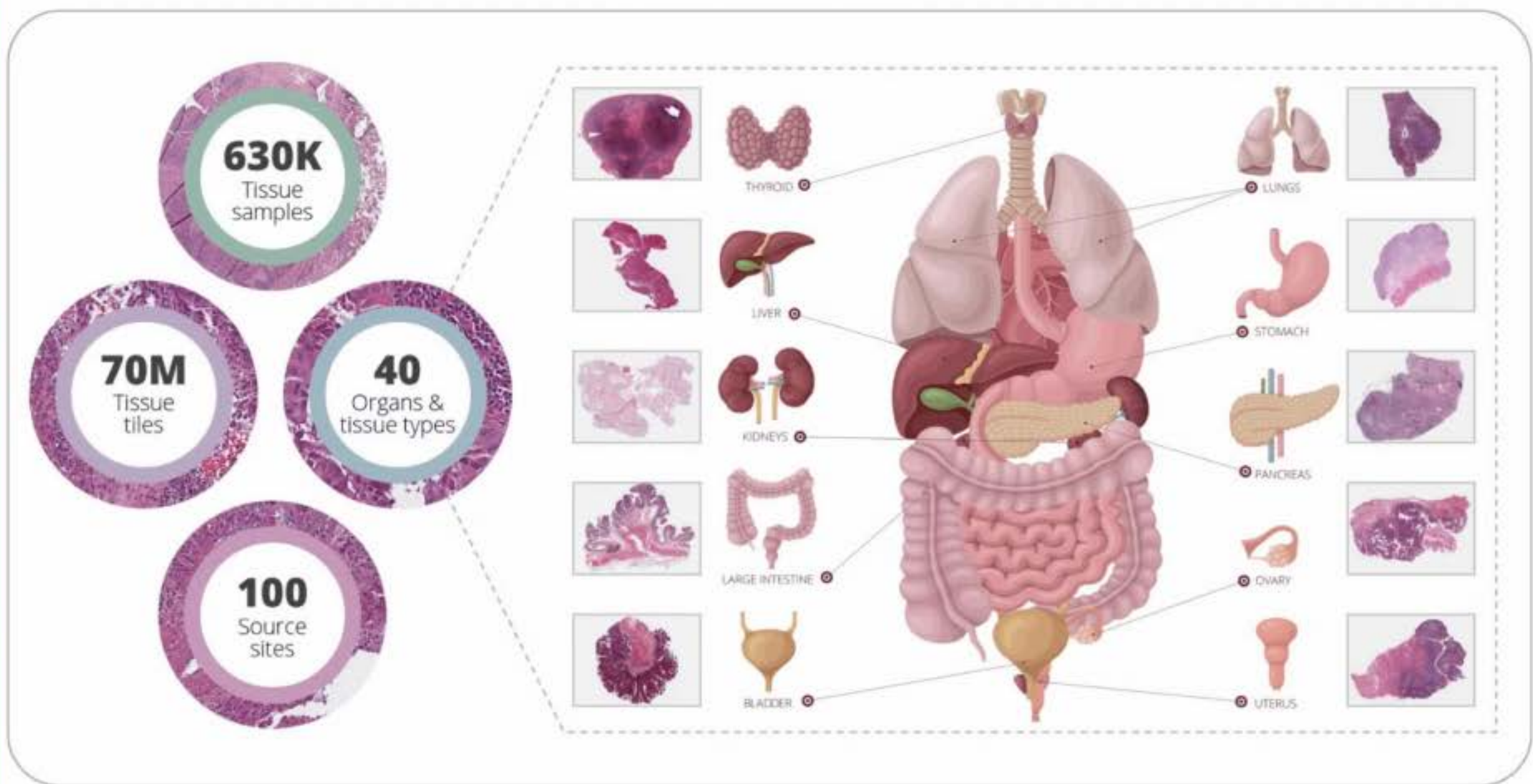




# 1. CanvOI: AI for Oncology Imaging

CanvOI is a visual model optimized for digital pathology. Built on ViT-g/10, it processes histopathological images for oncology, using a patch size of  $10^2$  for effective multiple-instance learning.

CanvOI: Scaling FLOPS differently

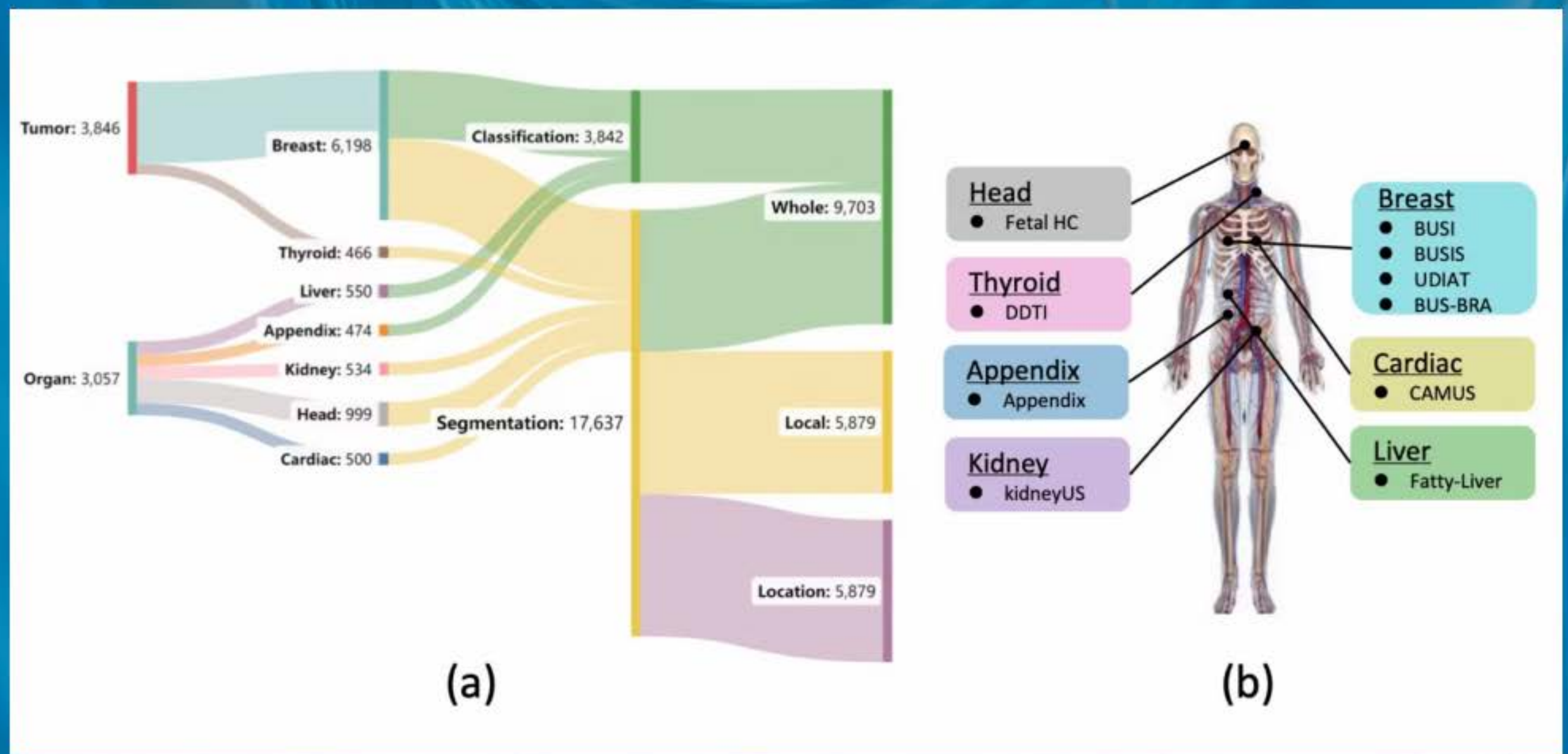




## 2. UniUSNet: AI for Ultrasound Disease Prediction

UniUSNet is a method designed for ultrasound image classification and segmentation.

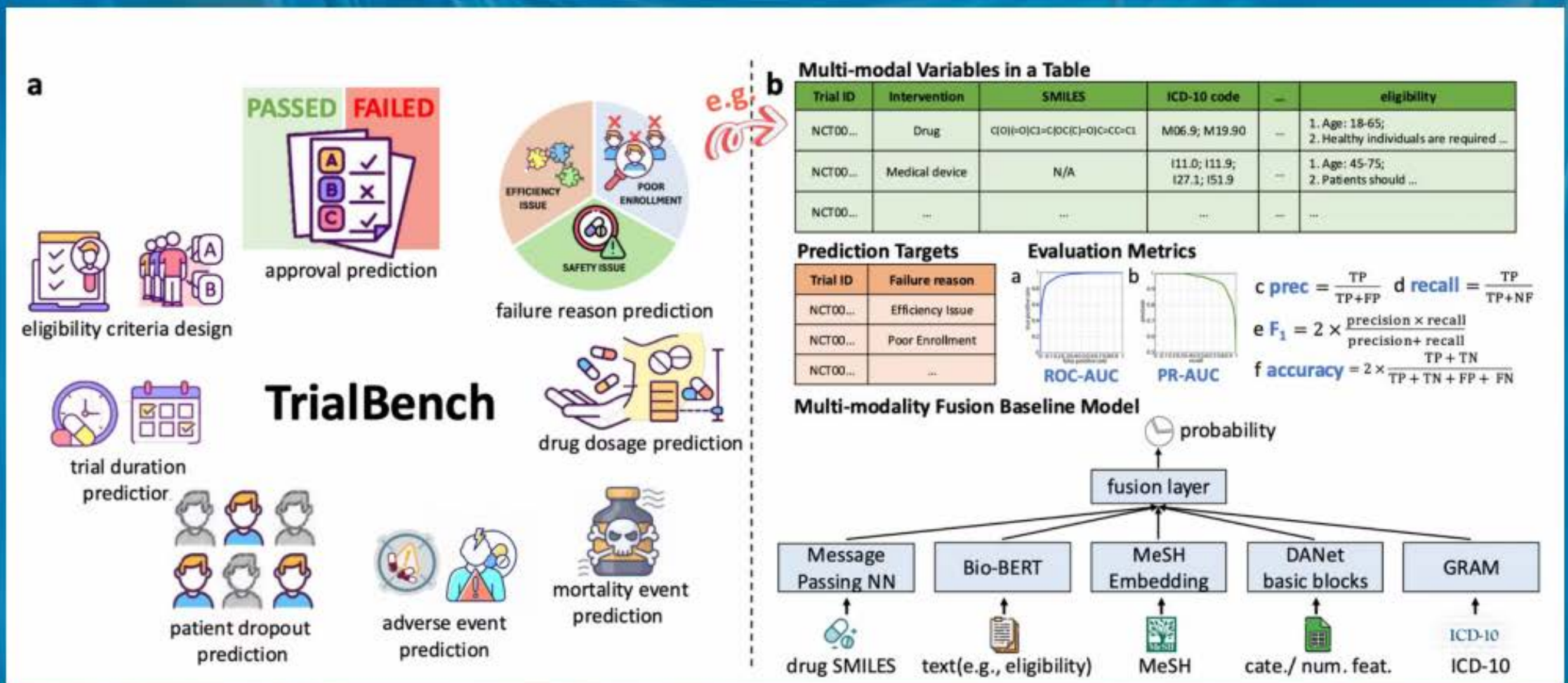
Trained on over 9,700 annotations across 7 anatomical positions, it handles various ultrasound types and formats.





### 3. TrialBench: Clinical Trials Dataset

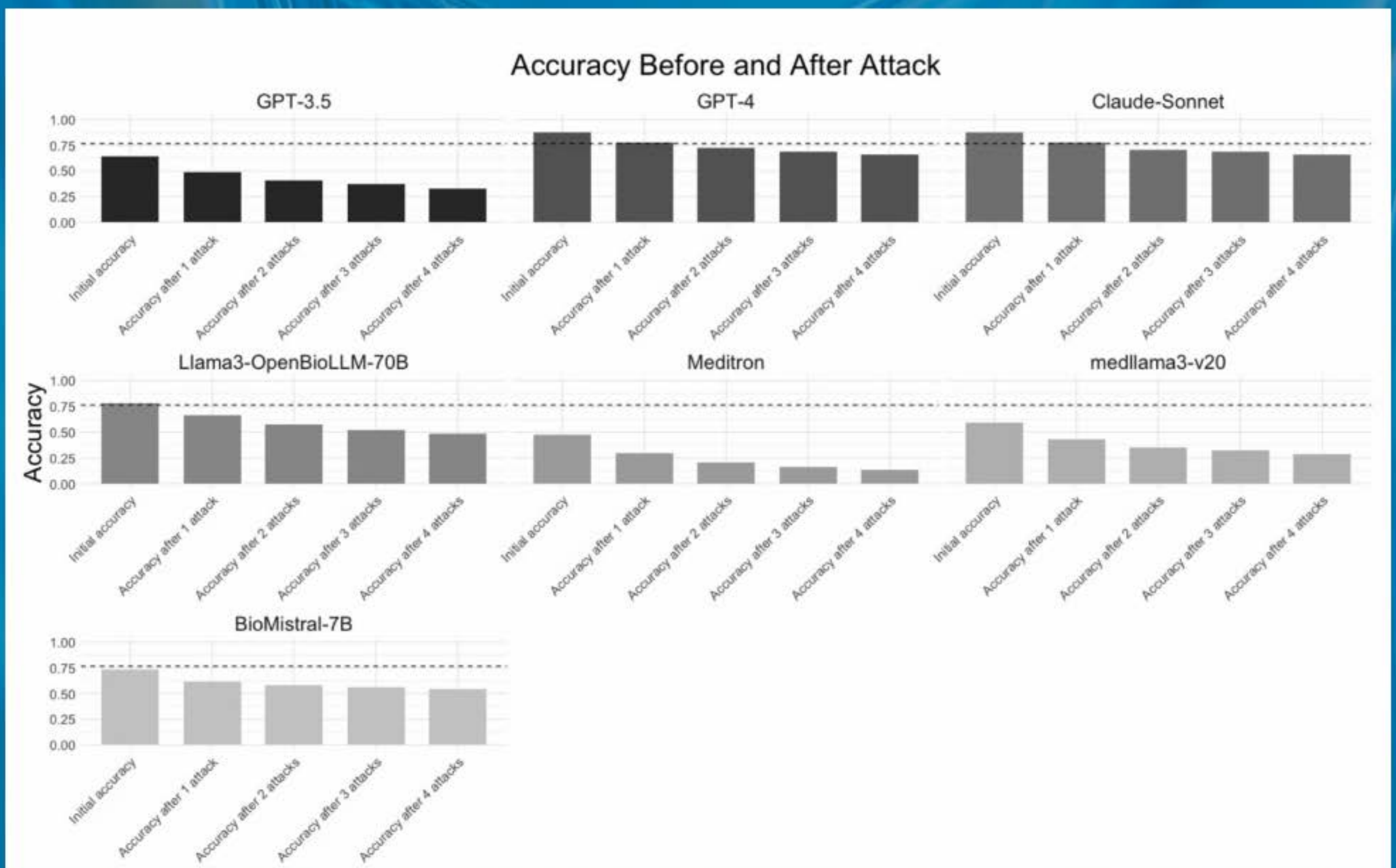
A dataset of 23 multimodal sets for fine-tuning AI models in predicting key trial outcomes such as trial duration, patient dropout rates, and mortality.





## 4. MedFuzz: AI Robustness Testing

MedFuzz is a method developed by Microsoft Research to test the robustness of medical LLMs by introducing unrealistic assumptions into medical queries. It reveals gaps in LLMs when applied in real clinical settings.



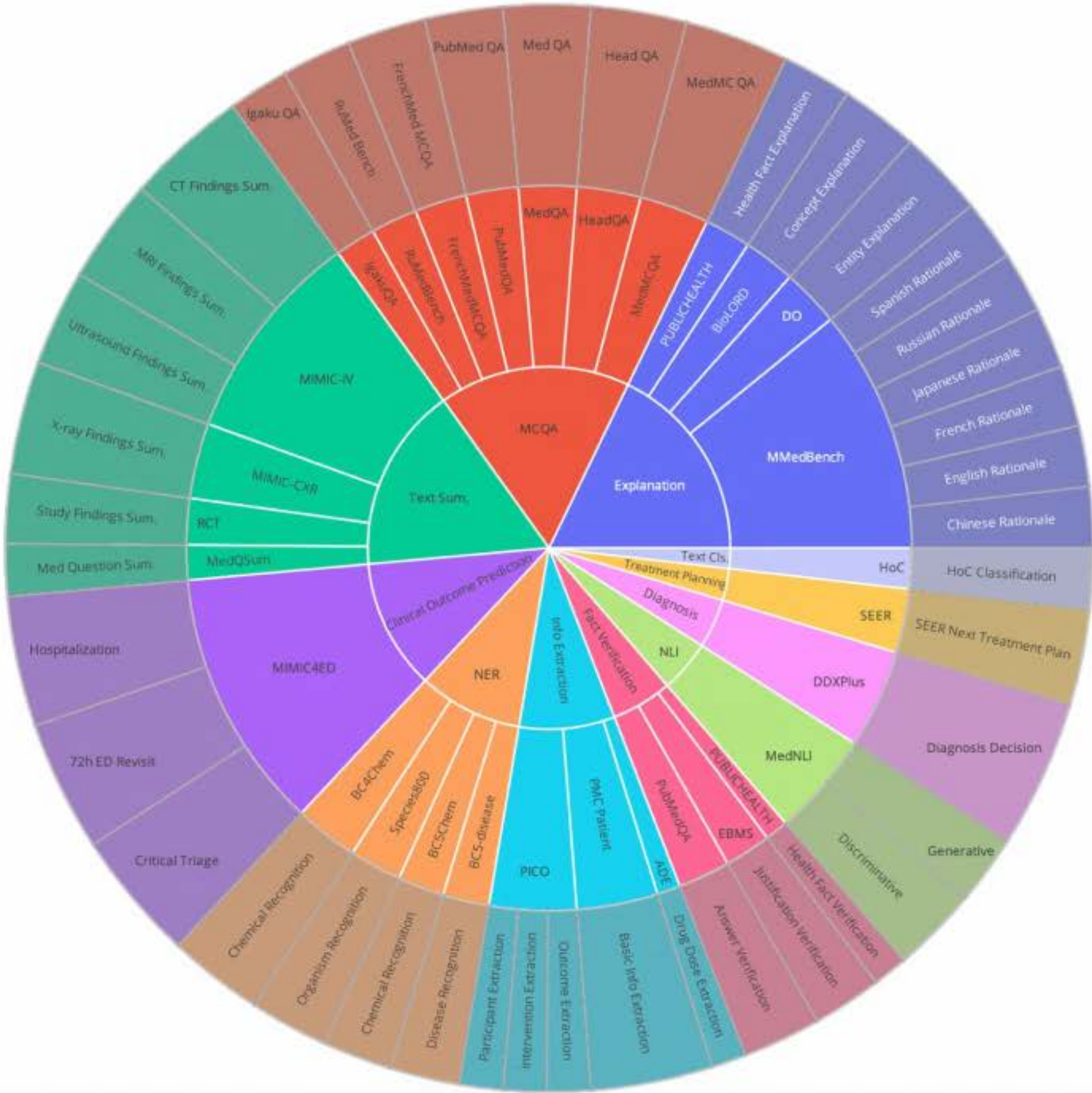


# 5. MedS-Bench + Medicines: Clinical Task Evaluation Dataset

MedS-Bench provides a benchmark and dataset to evaluate models in 11 clinical tasks. MedS-Ins includes 5 million examples for fine-tuning across 122 different tasks.

Category	Number
Diagnosis	134529
Text Summarization	41238
NER	37585
Information Extraction	16856
MCQA	13701
Clinical Outcome Prediction	4500
Treatment Planning	3535
Explanation	4486
NLI	2844
Fact Verification	2142
Text Classification	158

Item	Number
Categories	11
Source Dataset	28
Tasks	52
Samples	0.3M







# HEALING WITH AI



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