



NuMind

Teach Your AI

Extract *Structured* Insights, Operate Faster

Do you waste time
extracting and validating
medical data?

Operate Faster With NuMind



HEALTHCARE

- EHR data extraction and structuring
- Clinical treatment relevance check
- Medical coding extraction
- Drug safety data extraction
- Regulatory compliance monitoring
- Mental health analysis and monitoring
- Patient feedback sentiment structuring

' Patient: Good evening doctor. Doctor: Good evening. You look **pale** and your voice is out of tune. Patient: Yes doctor. I'm **running a temperature** and have a **sore throat**. Doctor: Lemme see. (He touches the forehead to feel the temperature.) Doctor: **You've moderate fever**. (He then whips out a thermometer.) Patient: This thermometer is very different from the one you used the last time. (Unlike the earlier one which was placed below the tongue, this one snapped around one of the fingers.) Doctor: Yes, this is a new introduction by medical equipment companies. It's much more convenient, as it doesn't require cleaning after every use. Patient: That's awesome. Doctor: Yes it is. (He removes the thermometer and looks at the reading.) Doctor: Not too high - **99.8**. (He then proceeds with measuring blood pressure.) Doctor: Your blood pressure is **fine**. (He then checks the throat.) Doctor: It looks bit scruffy. Not good. Patient: Yes, it has been quite bad. Doctor: Do you get sweating and shivering? Patient: Not sweating, but I feel somewhat cold when I sit under a fan. Doctor: OK. You've **few symptoms of malaria**. I would suggest you undergo blood test. Nothing to worry about. In most cases, the test come out to be negative. It's just precautionary, as there have been spurt in malaria cases in the last month or so. (He then proceeds to write the prescription.) Doctor: I'm prescribing **three medicines** and **a syrup**. The number of dots in front of each tells you how many times in the day you've to take them. For example, the two dots here mean you've to take the medicine twice in the day, once in the morning and once after dinner. Doctor: Do you've any other questions? Patient: No, doctor. Thank you.

Model Output

```
{
  "Doctor_Patient_Discussion": {
    "Initial_Observation": {
      "Symptoms": [
        "pale",
        "sore throat",
        "running a temperature"
      ],
      "Initial_Assessment": "You\u2019ve moderate fever."
    },
    "Medical_Examination": {
      "Temperature": "99.8",
      "Blood_Pressure": "fine",
      "Doctor_Assessment": "few symptoms of malaria",
      "Diagnosis": "few symptoms of malaria"
    },
    "Treatment_Plan": {
      "Prescription": [
        "three medicines",
        "a syrup"
      ]
    }
  }
}
```

Use Databases You Can Trust



Up to 28%

cleaner

normalized data



1/2 day/1 day

saved per week



Extract Reliable, Structured Data NuMind

Text

"Office of Management and Budget (OMB) memorandum M-12-12, as amended by memorandum M-17-08, requires federal agencies to issue an annual report related to its conference-related expenditures for the previous fiscal year. This document constitutes the SEC's report for Fiscal Year (FY) 2018. The SEC has put in place policies and procedures governing the approval and use of agency funds for conference expenses, to ensure that such spending is legal, reasonable, and in furtherance of the SEC's mission to protect investors, maintain fair and orderly markets, and facilitate capital formation. At a high level, the major steps in the process are as follows:

1. All SEC division/office requests for a conference must be approved by the division/office head or his/her designee. The head is not required to use SEC facilities for such events whenever possible to avoid rental and equipment costs. In order to limit expenses for meals and lodging, the SEC has set diem rates established for the federal government as the ceiling for such expenses.

Template

```
{
  "Number of conferences": "",
  "Total cost": "",
  "Conferences over 100k": [
    {
      "Name": "",
      "Organizer": "",
      "Cost": "",
      "Start date": "",
      "End date": "",
      "Location": ""
    }
  ]
}
```

Model Output

```
{
  "Number of conferences": "97",
  "Total cost": "$884,759",
  "Conferences over 100k": [
    {
      "Name": "2018 Chief Enforcement Conference (CEC)",
      "Organizer": "Enforcement Division",
      "Cost": "$165,194",
      "Start date": "September 25-26, 2018",
      "End date": "September 25-26, 2018",
      "Location": "SEC Headquarters, Washington DC"
    },
    {
      "Name": "2018 Leadership Conference",
      "Organizer": "Office of Compliance Inspections and Examinations (OCIE)",
      "Cost": "$219,658",
      "Start date": "July 26-27, 2018",
      "End date": "July 26-27, 2018",
      "Location": "SEC Headquarters, Washington, DC"
    }
  ]
}
```

Parse *relevant* information from images and documents

Automate Error-Prone Tasks



Model Output

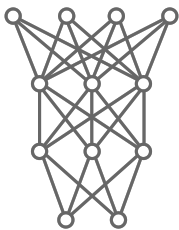
```
"Palpitations"  
],  
"ICD_Label_for_Symptoms": [  
  "Malaise and fatigue",  
  "Dyspnoea",  
  "Palpitations"  
],  
"ICD_Code_for_Symptoms": [  
  "R53",  
  "R06.0",  
  "R00.2"  
]  
},  
"Diagnostic": {  
  "Doctor diagnosis": "Ryan is suffering from an unspecified form of heart muscle  
disease.",  
  "ICD_Label_for_Diagnostic": "Other cardiomyopathies",  
  "ICD_Code_for_Diagnostic": "I42.8"  
},  
"Follow_up": [  
  "Increase physical activity",
```

Assign
medical codes
automatically

Get Your Customized AI Model

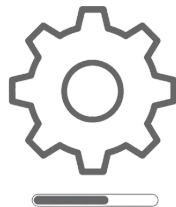


Become AI-Sovereign



Your NuHealth Model

Full intellectual property on your
customized model.



Deploy *Anywhere*

Compatible with all production
environments.

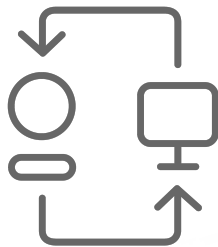
Keep it **private**
if you want to

Secure Transparency and Control



Access Your Model
Performance

Correct model drifting.



Improve Your Model

Retrain your model when needed.


Interpretability


Autonomy

Talk to Us




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