Heart Disease Prediction API 1.0.0 OAS 3.1

/openapi.json

API for predicting heart disease risk

default

| GET | / Root | ⌄ |

| GET | **/health** Health Check | ⌄ |

| POST | **/predict** Predict | ⌃ |

Prediction endpoint

Parameters

No parameters

Cancel

Request body required

application/json

```json
{
    "age": 63,
    "ca": 0,
    "chol": 233,
    "cp": 3,
    "exang": 0,
    "fbs": 1,
    "oldpeak": 2.3,
    "restecg": 0,
    "sex": 1,
    "slope": 0,
    "thal": 1,
    "thalach": 150,
    "trestbps": 145
}
```

Execute Clear

Responses

Curl

```
curl -X 'POST' \
  'http://127.0.0.1:8000/predict' \
  -H 'accept: application/json' \
  -H 'Content-Type: application/json' \
  -d '{
  "age": 63,
  "ca": 0,
  "chol": 233,
  "cp": 3,
  "exang": 0,
  "fbs": 1,
  "oldpeak": 2.3,
  "restecg": 0,
  "sex": 1,
  "slope": 0,
  "thal": 1,
  "thalach": 150,
  "trestbps": 145
}'
```

Request URL

```
http://127.0.0.1:8000/predict
```

Server response

Code	Details
200	**Response body**

```json
{
    "prediction": 0,
    "probability": 0.1842485970693607,
    "risk_level": "Low",
    "message": "Heart disease not detected",
    "timestamp": "2026-01-06T01:10:11.594935"
}
```

Download

Response headers

```
content-length: 148
content-type: application/json
date: Tue,06 Jan 2026 01:10:11 GMT
server: uvicorn
```

Responses

Code	Description	Links
200	Successful Response	No links

Media type

application/json

Controls Accept header.

Example Value | Schema

```json
{
    "prediction": 0,
    "probability": 0,
    "risk_level": "string",
    "message": "string",
    "timestamp": "string"
}
```

| 422 | Validation Error | No links |

Media type

application/json

Example Value | Schema

```json
{
    "detail": [
        {
            "loc": [
                "string",
                0
            ],
            "msg": "string",
            "type": "string"
        }
    ]
}
```

| GET | **/metrics** Get Metrics | ⌄ |

Schemas

HTTPValidationError > Expand all **object**

HeartDiseaseInput > Expand all **object**

PredictionResponse > Expand all **object**

ValidationError > Expand all **object**