Dataset Loaded Successfully.

Patient\_ID Name Gender Age Blood\_Group Date\_of\_Admission \

0 P0001 Steve Williams Female 22 AB+ 2025-03-30

1 P0002 Dr. Ronald Faulkner Male 52 B+ 2024-11-21

2 P0003 Susan Wagner Other 77 B+ 2024-09-23

3 P0004 Brandon Lloyd Female 47 AB- 2024-08-24

4 P0005 Michele Guzman Other 78 A+ 2025-04-25

Doctor\_Name Hospital\_Name Insurance\_Provider \

0 Dr. Ahmed Khan Metro Health Clinic CareWell

1 Dr. Raj Patel Green Valley Medical Center MediCare

2 Dr. Raj Patel City General Hospital MediCare

3 Dr. Ahmed Khan Green Valley Medical Center InsureMax

4 Dr. John Smith Metro Health Clinic MediCare

Billing\_Amount Room\_Number Discharge\_Date Diabetes\_Test\_Result \

0 7821.59 902 2025-04-06 Negative

1 4222.44 733 2024-11-29 Negative

2 9845.07 970 2024-10-02 Negative

3 6038.32 588 2024-09-01 Negative

4 3344.43 726 2025-05-04 Negative

Disease\_Name

0 Heart Disease

1 Diabetes

2 Diabetes

3 Heart Disease

4 Diabetes

Dataset Shape: (400, 14)

Column Names: ['Patient\_ID', 'Name', 'Gender', 'Age', 'Blood\_Group', 'Date\_of\_Admission', 'Doctor\_Name', 'Hospital\_Name', 'Insurance\_Provider', 'Billing\_Amount', 'Room\_Number', 'Discharge\_Date', 'Diabetes\_Test\_Result', 'Disease\_Name']

Data Types:

Patient\_ID object

Name object

Gender object

Age int64

Blood\_Group object

Date\_of\_Admission object

Doctor\_Name object

Hospital\_Name object

Insurance\_Provider object

Billing\_Amount float64

Room\_Number int64

Discharge\_Date object

Diabetes\_Test\_Result object

Disease\_Name object

dtype: object

Summary Statistics:

Patient\_ID Name Gender Age Blood\_Group \

count 400 400 400 400.000000 400

unique 400 399 3 NaN 8

top P0384 Joseph Brown Male NaN B+

freq 1 2 147 NaN 71

mean NaN NaN NaN 50.930000 NaN

std NaN NaN NaN 17.234927 NaN

min NaN NaN NaN 20.000000 NaN

25% NaN NaN NaN 36.000000 NaN

50% NaN NaN NaN 51.000000 NaN

75% NaN NaN NaN 65.000000 NaN

max NaN NaN NaN 80.000000 NaN

Date\_of\_Admission Doctor\_Name Hospital\_Name \

count 400 400 400

unique 245 5 4

top 2024-06-07 Dr. John Smith Metro Health Clinic

freq 6 91 108

mean NaN NaN NaN

std NaN NaN NaN

min NaN NaN NaN

25% NaN NaN NaN

50% NaN NaN NaN

75% NaN NaN NaN

max NaN NaN NaN

Insurance\_Provider Billing\_Amount Room\_Number Discharge\_Date \

count 400 400.000000 400.000000 400

unique 5 NaN NaN 248

top InsureMax NaN NaN 2024-05-28

freq 92 NaN NaN 6

mean NaN 5457.775675 556.600000 NaN

std NaN 2514.714485 257.324026 NaN

min NaN 1016.590000 100.000000 NaN

25% NaN 3388.245000 346.500000 NaN

50% NaN 5418.545000 565.000000 NaN

75% NaN 7636.380000 778.250000 NaN

max NaN 9986.550000 999.000000 NaN

Diabetes\_Test\_Result Disease\_Name

count 400 400

unique 2 2

top Negative Diabetes

freq 211 212

mean NaN NaN

std NaN NaN

min NaN NaN

25% NaN NaN

50% NaN NaN

75% NaN NaN

max NaN NaN

Missing Values:

Patient\_ID 0

Name 0

Gender 0

Age 0

Blood\_Group 0

Date\_of\_Admission 0

Doctor\_Name 0

Hospital\_Name 0

Insurance\_Provider 0

Billing\_Amount 0

Room\_Number 0

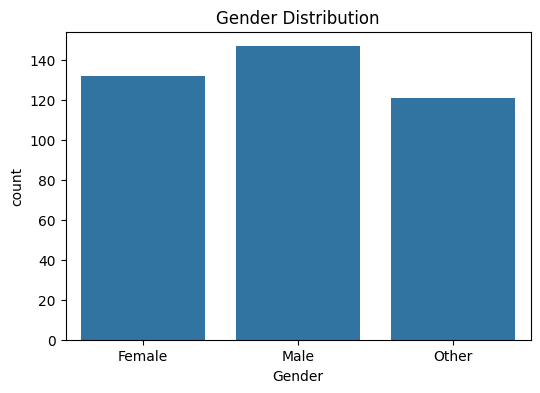
Discharge\_Date 0

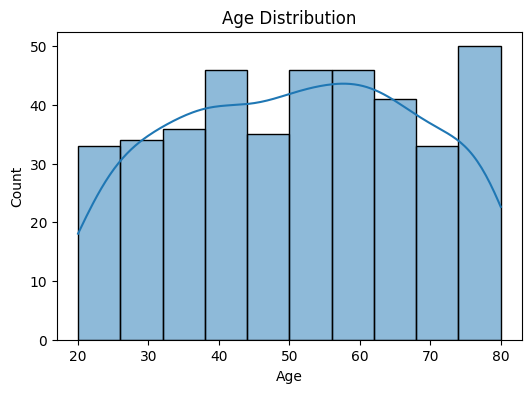
Diabetes\_Test\_Result 0

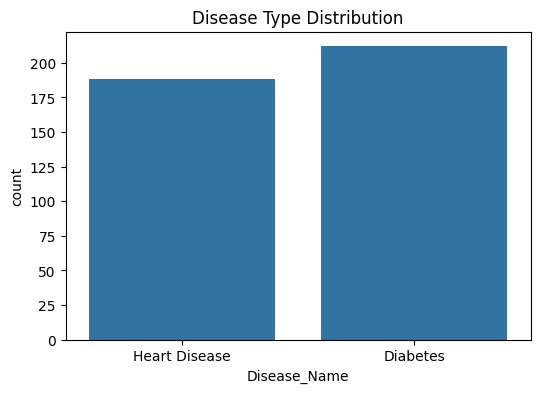
Disease\_Name 0

dtype: int64

Total Duplicate Rows: 0







Target Variable: Disease\_Name

Features:

['Gender', 'Age', 'Blood\_Group', 'Date\_of\_Admission', 'Doctor\_Name', 'Hospital\_Name', 'Insurance\_Provider', 'Billing\_Amount', 'Room\_Number', 'Discharge\_Date', 'Diabetes\_Test\_Result']

Gender object

Age int64

Blood\_Group object

Date\_of\_Admission object

Doctor\_Name object

Hospital\_Name object

Insurance\_Provider object

Billing\_Amount float64

Room\_Number int64

Discharge\_Date object

Diabetes\_Test\_Result object

dtype: object

Accuracy: 0.525

Classification Report:

precision recall f1-score support

Diabetes 0.53 0.76 0.63 42

Heart Disease 0.50 0.26 0.34 38

accuracy 0.53 80

macro avg 0.52 0.51 0.49 80

weighted avg 0.52 0.53 0.49 80

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✅ Extracted rows: 0

Empty DataFrame

Columns: [Patient\_ID, Name, Gender, Age, Blood\_GrouDpa, te\_of\_Admissi, onDoctor\_Name]

Index: []

✅ Saved as /content/patient\_data.csv

Empty DataFrame

Columns: [Patient\_ID, Name, Gender, Age, Blood\_GrouDpa, te\_of\_Admissi, onDoctor\_Name]

Index: []