

# AutoBMD™ Value Proposition for Diagnostic Imaging Centers

## 01

### Opportunistic Revenue Generator

AutoBMD™ enables your imaging center to add BMD report to CT scans ordered for other purposes with consent from patients and referring physicians.

## 02

### No Capital Investment Needed

Any diagnostic imaging center from anywhere in the world can sign up and start adding AutoBMD™ report to any CT scans of the chest and abdomen.

**No Extra Radiation No Extra Scanner Time**

**Extra Value for Patients Extra Revenue for Clinic**

AutoBMD™ Is Reimbursed Under CPT 77078



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# AutoBMD™

## Opportunistic Bone Mineral Density Report



How Can AutoBMD™ Improve My  
Practice and Bottom Line?

# How To Order AutoBMD™

## AutoBMD™ for Diagnostic Imaging Centers

**Step 1:** Set up your HeartLung Provider account in less than 5 Minutes

**Step 2:** Install HeartLung Gateway to send scans to AutoBMD™ cloud automatically

**Step 3:** Access AutoBMD™ Reports on your Provider Portal and Opt-in to automatic forwarding reports to patients

# How AutoBMD™ Works

## Step 1

Automatically detecting the vertebral column

## Step 2

Disk segmentation and labeling vertebral bones

## Step 3

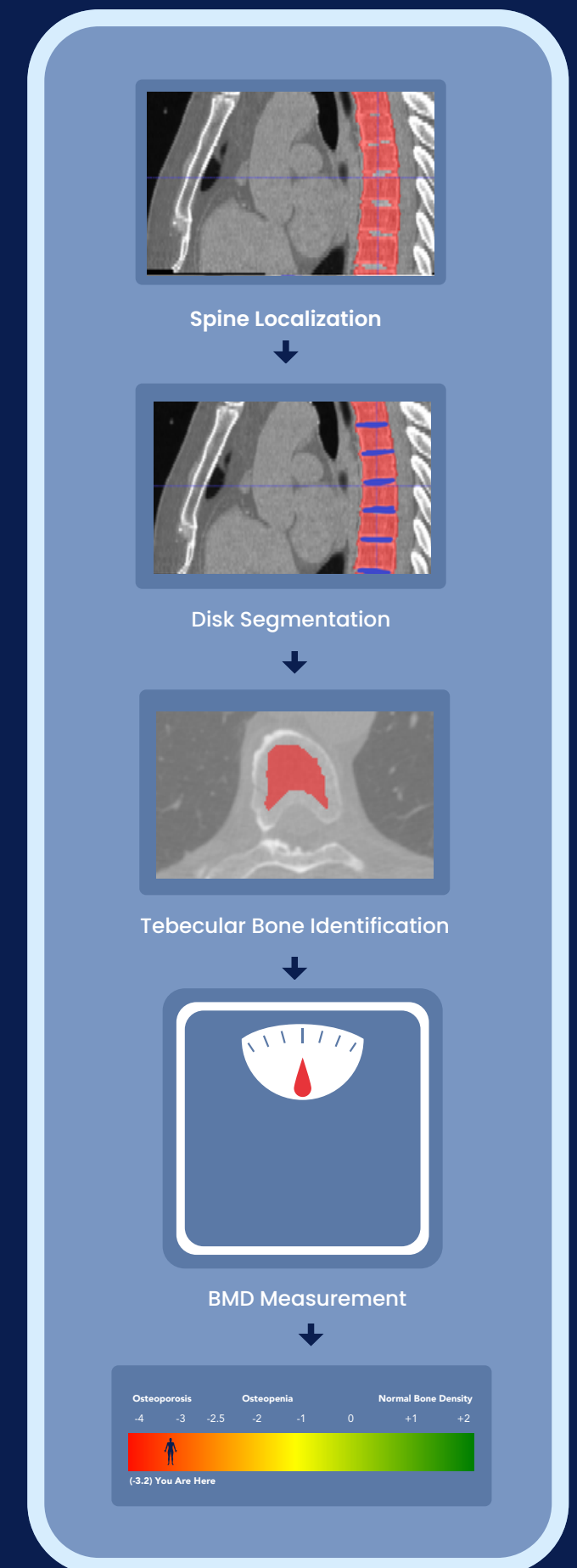
Detecting the trabecular component of the vertebral bones as the region of interest

## Step 4

Calculating BMD using HU units with built-in calibration factor (no phantom required)

## Step 5

Reporting T-Score and Z-Score, along with axial, coronal, and sagittal views of the ROI



### Your Bone Density Report Summary

**Patient Name: Doe, Jack**

ID: 123456789

Age: 63

Sex: Female

Referring Physician: Budoff, MD

Date of Study: 11/30/2022

Date of Birth: 1/1/1961

Your Clinic's Logo Here

#### BMD Analysis

##### Hounsfield Unit (HU)

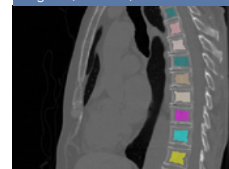
A quantitative scale for describing radiodensity.

T7	114.6
T8	100.1
T9	100.3
Mean HU	104.9

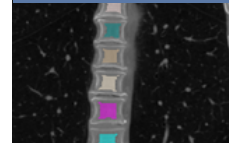
##### BMD (mg/cc)

Mean BMD	106
Z-Score	-2.0
T-Score	-3.2

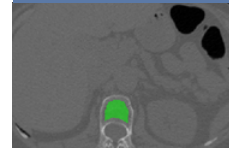
##### Sagittal (side view)



##### Coronal (front view)

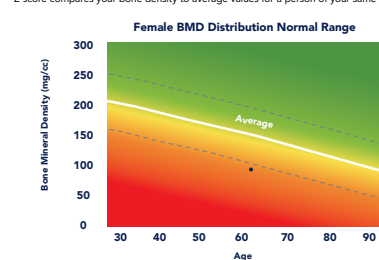


##### Axial (cross-sectional view)



##### Your Z-Score: -2.0

Z-score compares your bone density to average values for a person of your same age and gender.



##### Your T-Score: -3.2

T-score is your bone density compared with what is normally expected in a healthy adult of your sex. Your T-Score of -1.0 indicates you likely have osteopenia and are at risk of osteoporosis.

##### Osteoporosis Osteopenia Normal Bone Density

-4 -3 -2.5 -2 -1 0 +1 +2



(-3.2) You Are Here

##### Recommendations

All patients should ensure an adequate intake of dietary calcium and vitamin D. The NOF recommends adults under age 50 need 1,000 mg of calcium and 400-800 IU of vitamin D daily. Adults 50 and over need 1,200 mg of calcium and 800-1,000 IU of vitamin D daily. Effective therapies for the prevention of osteoporosis include bisphosphonates (Fosamax and Actonel) and Evista. Hormone therapy may be an option based on review of risks and benefits of treatment. You have osteopenia and should seek follow up care with your physician.

##### Follow up

People with diagnosed cases of osteopenia and osteoporosis or at high risk for fracture should have regular bone mineral density tests. For patients eligible for Medicare, routine testing is allowed once every 2 years. The testing frequency can be increased to one year for patients who have rapidly progressing disease, those who are receiving or discontinuing medical therapy to restore bone mass, or have additional risk factors.