

FRACTURE RISK ESTIMATION IN ALBERTA

BONE MINERAL DENSITY REPORTS AND CLINICAL ASSESSMENTS DO NOT AGREE

A VISUAL RESEARCH ABSTRACT

STUDY POPULATION

190 postmenopausal women who had a recent bone mineral density (BMD) scan and attended a consultation at an osteoporosis specialty clinic.

OBJECTIVE

To determine how frequently the fracture risk estimates on BMD reports (using CAROC) agree with risk estimates generated in a clinical encounter (using FRAX®).

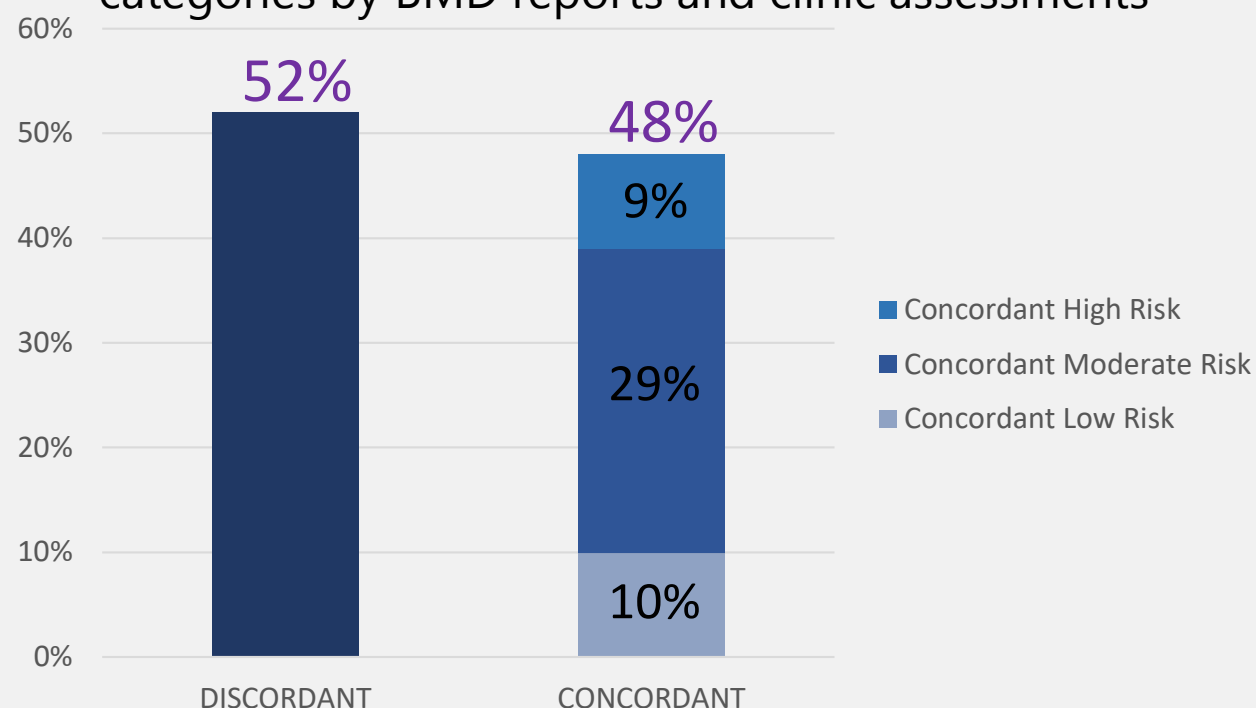
10Y FRACTURE RISK ESTIMATES

	BMD Reports	Clinic Assessments
Low Risk (<10%)	14%	43%
Moderate Risk (10-20%)	68%	38%
High Risk (≥20%)	18%	19%

DOCUMENTED FRACTURE HISTORY

	BMD Reports	Clinic Assessments
Prior fracture documented	21%	31%

Percentage of patients placed in the same (**concordant**) or different (**discordant**) fracture risk categories by BMD reports and clinic assessments



Risk estimates and fracture histories provided on bone mineral density reports frequently disagree with clinical assessments.
A consistent and accurate fracture risk assessment process is required.