

REFRAME Osteoporosis App Details

The Amgen REFRAME app provides easy access to reporting relating to patients that have osteoporosis risk factors and gives the users a simple view of the patient's risk and other relevant factors in one table.

The app will apply the following patients:

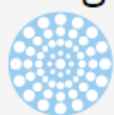
- Patients 70 years of age and older and never had a DXA, or have not had a DXA within the last 2 years
- Or
- Patients that have experienced a fracture since the age of 50

When a patient meeting one of the criteria above is opened in your clinical system, the app will become active and show a notification in a red circle:



Clicking on the app icon will open it in full screen and display all relevant information in a table view:

Amgen REFRAME Osteoporosis



REFRAME
OSTEOPOROSIS

Re-Evaluating Fracture Risk Assessment,
Management and Education

Item	Status
>= 70yrs and no DXA or >2yrs since last DXA	
Experienced a fracture since the age of 50	✓ 12/11/2018 (age 53)
Osteoporosis	
Minimal trauma fracture	✓ 12/11/2018
Received active osteoporosis medication in the last 5 yrs	
Received glucocorticoid drug class >7.5mg per day for > 3 months	
BMI < 20	
Hyperthyroidism	
Smoking status	✓ Smoker
Celiac disease	
Primary hyperparathyroidism	
Previous treatment with aromatase inhibitor drug class	
History of poor calcium intake	
History of low vitamin D	
Inflammatory arthritis	
Chronic kidney disease	
Diagnosis of sarcopenia	
>= 70 yrs and no DXA or >5 yrs since last DXA	
Lapsed osteoporosis medication >12 months and <5yrs	

If there is no information in the patient record, only the name of the indicator will be displayed. If the information is available, it will be displayed in green.

The following columns will be displayed within the app and populated if the data is stored within the patients record in a coded format. Full details on the mapping and background can be found here: [REFRAME Data Mapping](#)

Item	Column Name	Data Mapping
1	>=70yrs and no DXA or >2yrs since last DXA	green tick, date and additional details or blank (nothing displayed)
2	Experienced a fracture since age of 50	green tick, date and additional details or blank (nothing displayed)
3	Osteoporosis	green tick, date and additional details or blank (nothing displayed)
4	Minimum Trauma Fracture	green tick, date and additional details or blank (nothing displayed)
5	Received bone active medication in the last 5yrs	green tick, date and additional details or blank (nothing displayed)

6	Glucocorticoid drug class >7.5mg per day for >3 months	green tick, date and additional details or blank (nothing displayed)
7	BMI <20	green tick, date and additional details or blank (nothing displayed)
8	hyperthyroidism	green tick, date and additional details or blank (nothing displayed)
9	Smoking	green tick, date and additional details or blank (nothing displayed)
10	Coeliac Disease	green tick, date and additional details or blank (nothing displayed)
11	Primary Hyperparathyroidism	green tick, date and additional details or blank (nothing displayed)
12	Previous treatment with aromatase inhibitor drug class	green tick, date and additional details or blank (nothing displayed)
13	History of poor calcium intake	green tick, date and additional details or blank (nothing displayed)
14	History of low vitamin D	green tick, date and additional details or blank (nothing displayed)
15	Inflammatory conditions associated with bone loss	green tick, date and additional details or blank (nothing displayed)
16	CKD	Please see below for details on this indicator
17	Diagnosis Sarcopenia	green tick, date and additional details or blank (nothing displayed)
18	>=70yrs and no DXA or >5yrs since last DXA	green tick, date and additional details or blank (nothing displayed)
19	Lapsed Osteoporosis medication >12mths and <5yrs	green tick, date and additional details or blank (nothing displayed)

CKD displays stages of CKD (indicated or diagnosed) as well as likelihood of the indication based on the extracted pathology results.

- *Indicated Staging of CKD*

Patients on dialysis are displayed as 'level 5' CKD.

For more information refer to Kidney Health Australia web site and the CKD Guideline Booklet available at www.kidney.org.au

Detection of CKD requires follow up testing once an abnormal result is recorded. The outcome of 3 tests over a 3 month period will inform a diagnosis. CAT4 is only using the most recent eGFR and ACR, not the last 3 results. This will

•inform a diagnosis if 3 tests have been done or

•flag that a patient should be recalled for follow up testing if there are not 3 results in the Patient Record.

For full details on the CKD stage calculation please see here: http://kidney.org.au/cms_uploads/docs/02_algorithm-for-initial-detection-of-ckd.pdf