

**Preventing Avoidable and Costly Secondary Osteoporotic Fractures:
An Urgent Need and Promising Opportunity
Celebrating National Osteoporosis Month
May 2020**

Osteoporosis: A Major and Growing Medicare Concern

- **54 million** adults 50+ have osteoporosis or low bone mass
- Over **16%** of adults 65+ have osteoporosis; for women it is **25%**
- **25%** of adults 80+ have osteoporosis; for women it is **35%**

Osteoporosis: A Major and Growing Medicare Concern

- **\$57 billion** total annual expense of providing care for osteoporotic fractures among Medicare beneficiaries, including direct medical costs as well as indirect costs related to productivity losses and informal caregiving.
- As the nation ages, the number of osteoporotic fractures suffered annually will **grow 68% by 2040.**
- Total annual expense **will grow from \$57 billion to over \$95 billion in 2040.**



**Fragile bones
increase the risk
of fractures**

**Leads to loss of independence,
additional hospitalizations and
increased likelihood of death**

New NOF/Milliman Report on Secondary Fracture Costs to Medicare



In 2015,
2 MILLION
Medicare patients
suffered
2.3 MILLION
fractures

- 79% higher fracture rate for **women**
- 90% w/hip fractures hospitalized
- 30% w/hip fractures die w/in year
- 19% of all developed pressure sores
- 15% suffer one or more additional/
bone breaks

Secondary Osteoporotic Fractures Are Costly.



307,000 Medicare patients suffered
1 or MORE additional fractures
at a cost to Medicare of over
\$6.3 BILLION¹

Near Term Risk is Substantial in the Year Following a Hip Fracture

The risk of subsequent fracture after a recent hip fracture is similar to the risk of subsequent acute myocardial infarction (AMI) after initial AMI.


- 8.3 % of patients have a risk of a subsequent fracture within 1 year of hip fracture
- 9.2% of patients have a risk of subsequent AMI hospitalization within 1 year of their initial AMI.

What happens with proactive diagnosis and treatment?

- 96% of patients receive medication (beta blockers) post AMI. And, there are quality measures and evaluation in place to determine quality care for patients.
- 21-23% of patients (two studies with slightly different numbers) receive medication for their osteoporosis following a hip fracture.

50%
**OF REPEAT FRACTURES
COULD BE AVOIDED**
**with cost-effective and
well-tolerated treatments²**

**Tools to Prevent Secondary Osteoporotic
Fractures Are Not Being Used.**

ONLY 9%
RECEIVED 
A BMD TEST

Based on female Medicare fee-for-service beneficiaries receiving a bone mineral density (bmd) test within six months following a new osteoporotic fracture

**MOST WITH
FRACTURES
GO UNTREATED²**

**Model Care
Coordination
Practices Are Not
Widely Utilized²**

Preventing Secondary Osteoporotic Fractures Yields Big Medicare Savings.

REDUCING SECONDARY FRACTURES

BY JUST **20%**
COULD SAVE **\$1.2B³**



Innovative care models are
not being used



Geisinger

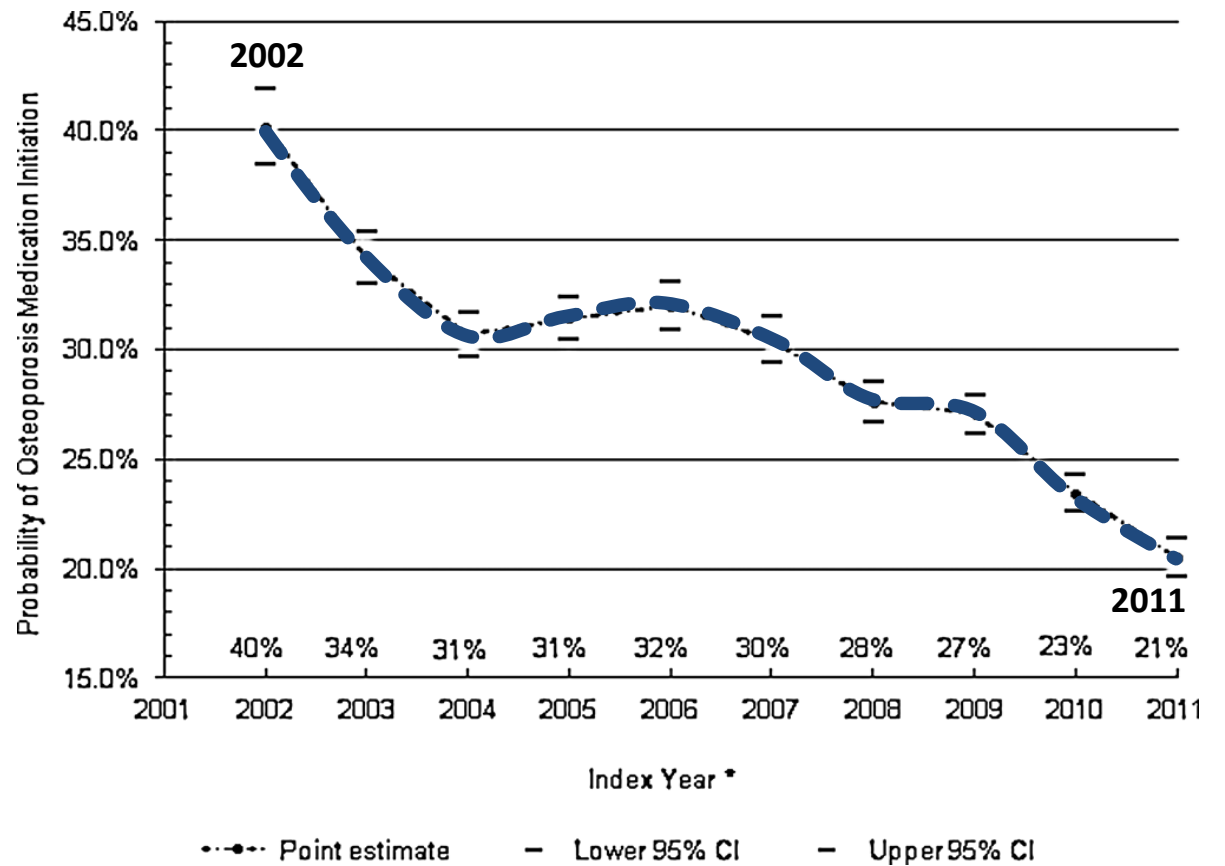
AMERICAN ORTHOPAEDIC ASSOCIATION



Providers & patients united for improved care.

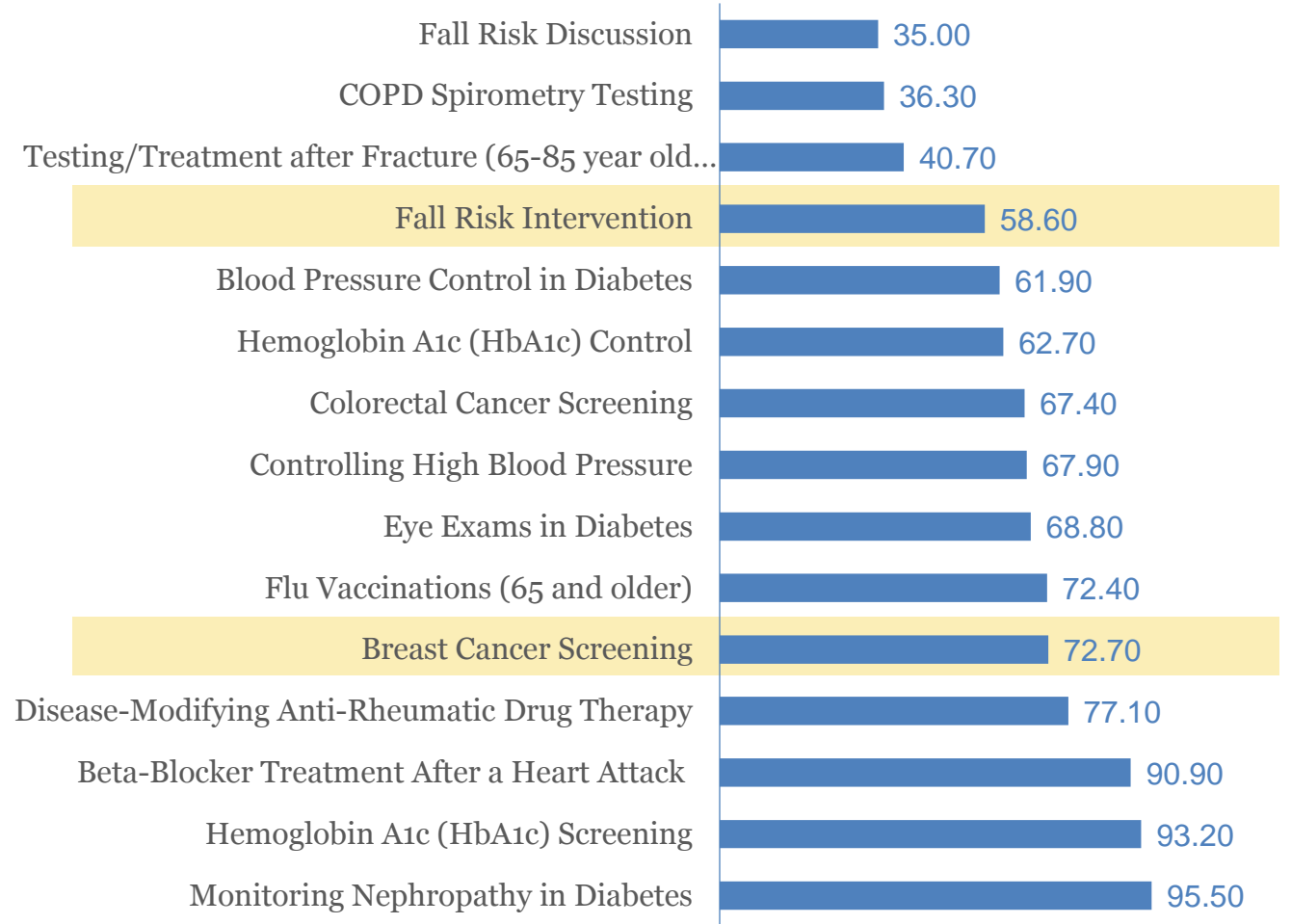
Osteoporosis Care Gap: Treatment After Hip Fracture

Review of US insurance claims data (commercial + Medicare)
in 96,887 patients hospitalized with hip fracture, 2002-2011



Solomon DH et al. J Bone Miner Res. 2014;29:1929–1937.

Osteoporosis Care Lags Behind Other Major Diseases and Conditions



2016 State of Health Care Quality (2015 HEDIS Medicare HMO data)

- Raise Awareness
- End Stigma and Ageism
- Access to Screening and Treatment
- Replicate and Incentivize Best Practices



...carefully used to make up
any shortfalls in your diet.

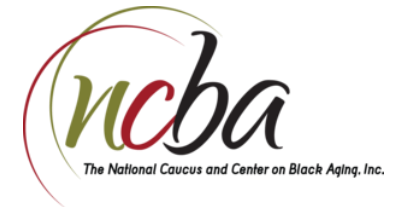
Discontinuation of supplemental calcium for
safety reasons is **not necessary** and may be



A national education and action campaign to
raise awareness about bone health and drive action to
improve appropriate fracture and falls prevention,
screening and treatment.

Getting enough **calcium** and **vitamin D**
is essential to building strong bones

Coalition to Strengthen Bone Health



What's Next

New Report from Milliman on State Specific Data

- Generate state-by state estimates of the prevalence and cost of fractures

Advocate for Federally Sponsored Education Campaign

- Letters to the Appropriations Committees for FY21 budget requesting funding for HHS and co-agencies to lead a falls and fracture prevention education campaign
- Continue meetings with HHS and CMS to determine resources and opportunities

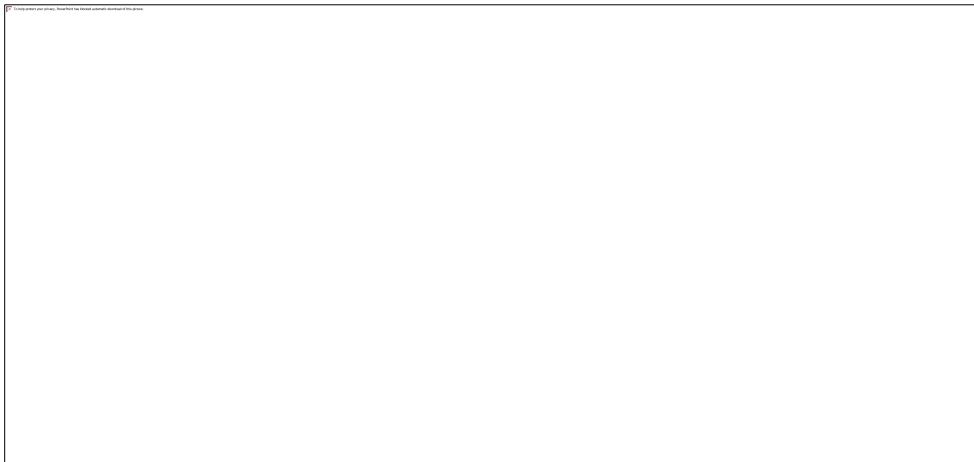
Incentivize Post Fracture Care

- Continue meetings with CMS to determine best options for care coordination/FLS reimbursement
- Revise and enhance quality measures to address the needs of osteoporosis patients

Opportunities to Get Involved



NOF Support Groups
Building Strength Together®



COVID-19 Crisis Reminder

Webinars for Healthcare Providers

- <https://www.nof.org/covid-19-updates/>

Survey Responses from HCPs

- <https://cdn.nof.org/wp-content/uploads/COVID-19-HCP-Survey-Results.pdf>

Survey of Patients and Caregivers

- <https://www.surveymonkey.com/r/COVID19PatientSurvey>

Webinar for Patients and Caregivers

- Coming Soon!

Questions on Milliman Report or Advocacy Efforts?

We welcome your questions or comments at any time.
Please email us at info@nof.org.