

Bone Health Clinic – Phase 1

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Problem

- Per the Illinois Department of Health (2023), statistics show that more than 50 million Americans have low bone mass or osteoporosis, 80% of them being women.
- As patients are living longer, an increase in falls, fractures, and bone quality issues have continued to strain medical resources. These issues may result in surgeries, readmissions, increased length of stays, increased risk of surgical site infections, and decreased patient satisfaction
- The Bone Health Clinic aims to address current delays in patient access to the outpatient Endocrinology department.
- The Orthopedic department will open a supplemental clinic with a specific focus on patients diagnosed with osteoporosis, fragility fractures, and/or identified as high risk for impending fragility fracture
- This work aligns with UCM Annual Operating Plan 23 by improving patient experience, quality and safety metrics, resource management, and grow both Endocrinology and Orthopedic capabilities

Goal

- The Bone Health clinic will increase access opportunities for more timely patient care. This timely care will:
 - Medically treat bone density issues
 - Provide patient education including a referral to comprehensive physical therapy program
 - Decrease potential falls and subsequent fragility fractures
 - Increase and retain independence /quality of life in the geriatric population
 - Decrease admissions to rehab and skilled nursing facilities which can lead to further decline
- This new clinic within Orthopedics has created opportunities to:
 - Increase new patient visits within Orthopedics
 - Increase in-house referrals to physical therapy, lab, imaging, and specialists
 - Improve partnership with Orland Park PMNR department

Anticipated Impacts

Deliverables

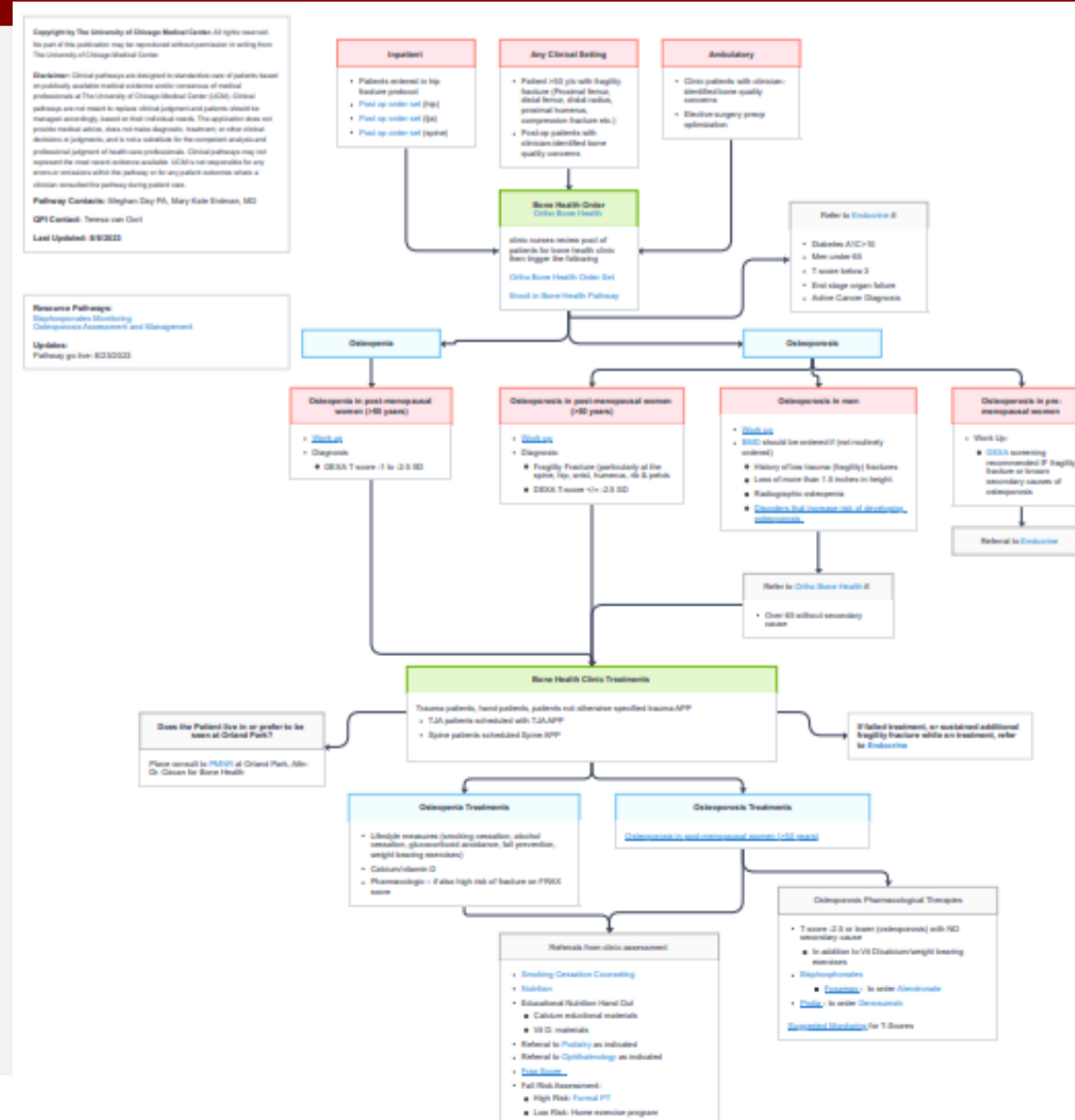
- ✓ Order Sets
- ✓ New Patient appointments slots
- ✓ Clinical Pathway
- ✓ Formal patient education

Constraints, Risks & Assumptions:

- Understanding the scope between Orthopedics vs Endocrine patient population
- DEXA scan availability and turn around time for results
- Medication coverage and availability

Outcome measures:

- Length of Stay
- Discharge to Home
- Readmissions (30, 60, 90 days)
- O:E Mortality
- Falls



Milestones

- ✓ **January 2023:** Project Inception
- ✓ **February 2023**
 - ✓ Workgroup creation & scope development
 - ✓ Patient population determination
 - ✓ Meet with Own The Bone to discuss current evidence and best practices
- ✓ **April 2023**
 - ✓ Pathway development initiated
 - ✓ Review and modify current order sets, labs recommendations, & medications (best practices vs current practices)
- ✓ **May 2023**
 - ✓ Consult with interdisciplinary services (nutrition, physical therapy)
 - ✓ Submit nursing protocol
 - ✓ Create documentation (smart phrases for patient education)
- ✓ **June 2023**
 - ✓ Pathway completion in AgileMD & start order linking
 - ✓ Medication review and consultation with Endocrine
 - ✓ Partner with Osteoporosis Management and Bisphosphonates pathways development workgroup
- ✓ **July 2023**
 - ✓ Billing/Coding discussions to confirm practices
- ✓ **August 2023**
 - ✓ Bone Health Pathway goes live
 - ✓ First patient
- September 2023**
 - Optimization of pathway, order sets and medication management
 - Data collection and tracking

Next Steps

- ✓ Marketing clinic to outpatient and inpatient services
- ✓ Promoting departmental engagement
- ✓ Refine referral process to allow non-Ortho patient referrals
- ✓ Optimize workflows including order sets, pathway, medication management, and clinic visit
- ✓ Track data for efficacy
- ✓ Nursing protocol and nursing education

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