

## Performing Bone Marrow Biopsies with Sedation: Launching a New Clinical Service

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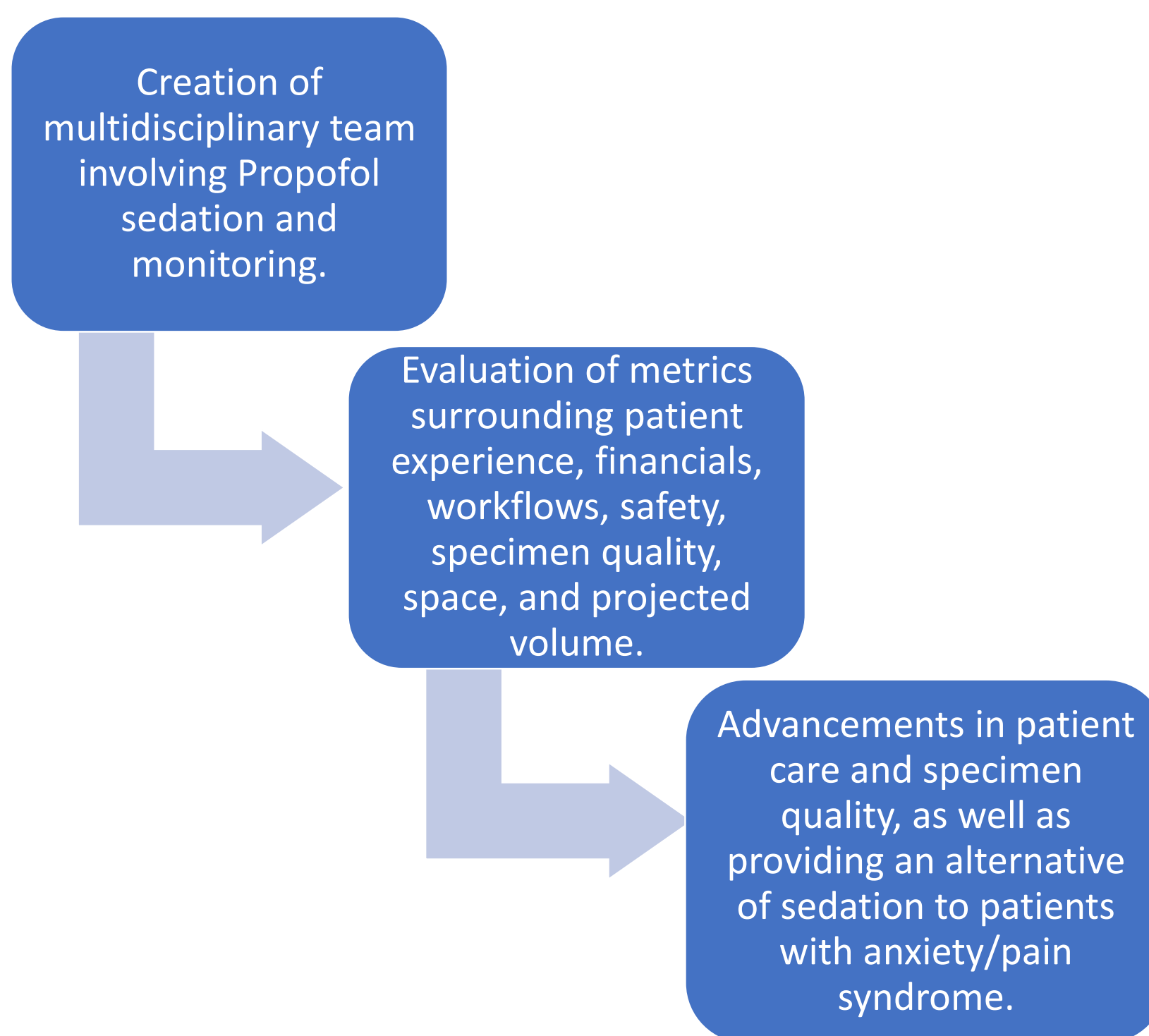
### Aim:

Develop a structured bone marrow under sedation program at MSK, leveraging best practices.

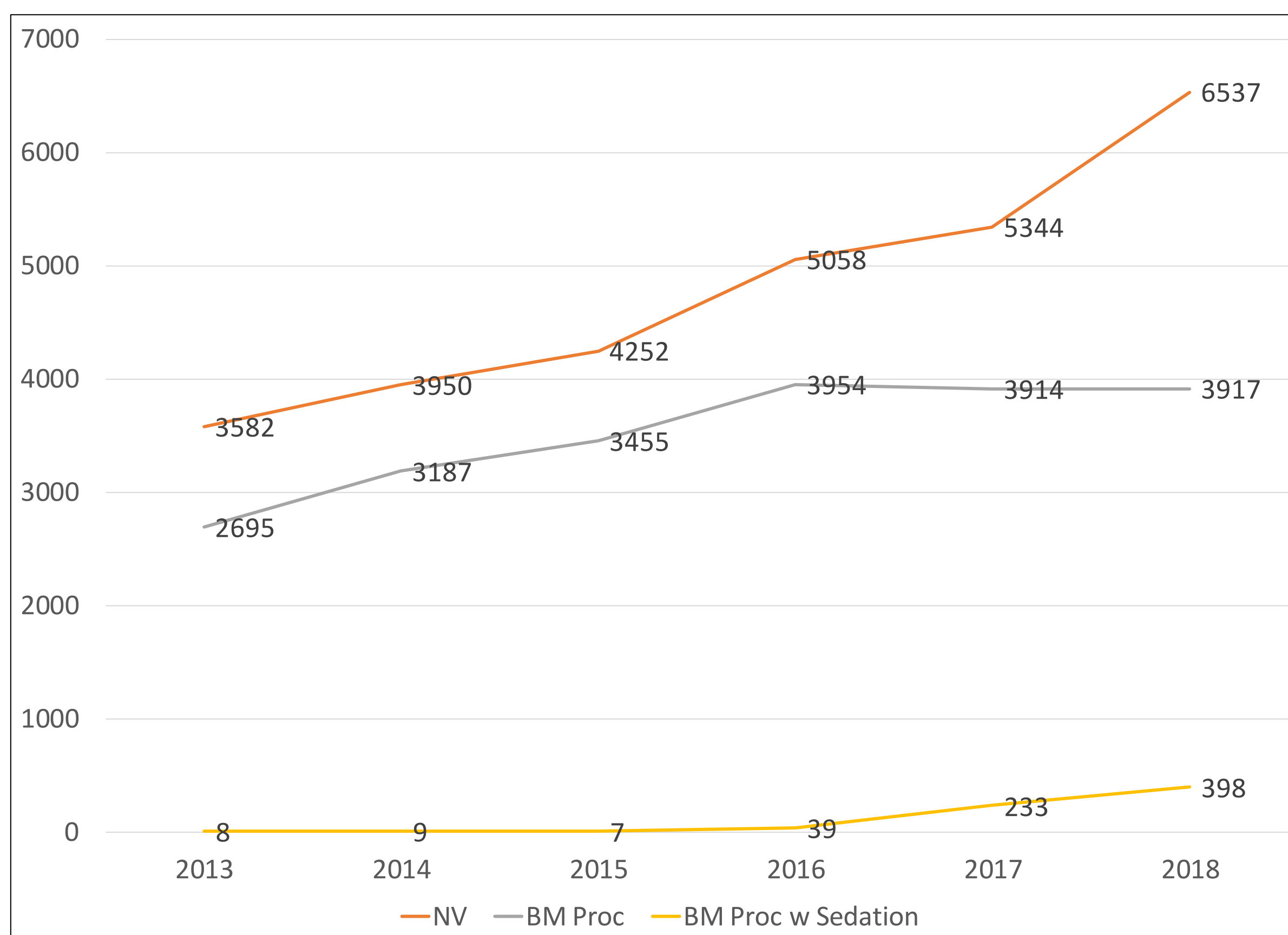
### Description:

We perform around 4,000 bone marrows per year, an invasive procedure used to diagnose and monitor hematologic malignancies. Our current standard of care utilizes Lidocaine as a local anesthetic; some patients still have a poor experience due to pain and/or anxiety. Previous coordination complexities of BMA under sedation appointments deterred us from regularly offering this service for individuals who previously had a poor experience. The use of sedation during these procedures offers improved specimen sampling, increased patient retention on clinical trials, and leads to improved patient experience. In 2016, we developed a multi-disciplinary workflow to improve access to this service.

### Actions Taken/ Changes Made:



### Volume:



### Summary of Results:

The number of procedures performed increased six-fold after program implementation, demonstrating that it met a previously unmet patient need. Patient satisfaction surveys of over 100 patients was uniformly positive and specimen quality was reported to have improved due to the ability to perform the procedure without patient pain and anxiety.

### Patient Feedback:

“Truly a miracle on the patients’ behalf”  
 “I applaud MSK for making it routinely available”  
 “After numerous uncomfortable bone marrow biopsies this was a treat! No pain or anxiety-thank you!”  
 “It was quick, painless and pleasant”  
 “Happy, happy, happy 😊”