

# OMT Effectiveness and Safety Patient Registry (OESPRY)

2020 DO-Touch.NET Annual Meeting and Educational  
Seminar

March 10 and 11, 2020

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# Disclosure Information

## **DO-Touch.NET Annual Meeting and Educational Seminar**

*Measuring the Impacts of OMM:*

*Patient-reported Outcomes in the Clinical Setting*

Brian F. Degenhardt, DO, and Jane C. Johnson, MA

- We have no financial relationships to disclose.
- We will not discuss off-label use or investigational use in our presentation.



# Learning Objectives

After attending, participants should be able to:

1. develop strategies for implementing patient-reported outcomes into their clinical practice,
2. interpret patient-reported outcomes applicable to patients receiving osteopathic manipulative treatment, and
3. employ patient-reported outcomes in their clinical practice to improve clinician-patient communication.



# Background/Context

- Pilot Study (Degenhardt et al, 2014)
- Use and Effectiveness of OMM in the Clinical Setting (Degenhardt et al, 2018; Johnson & Degenhardt, 2019)
- Patient-reported Adverse Events from Osteopathic Manipulative Treatment



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# Long-term Objective

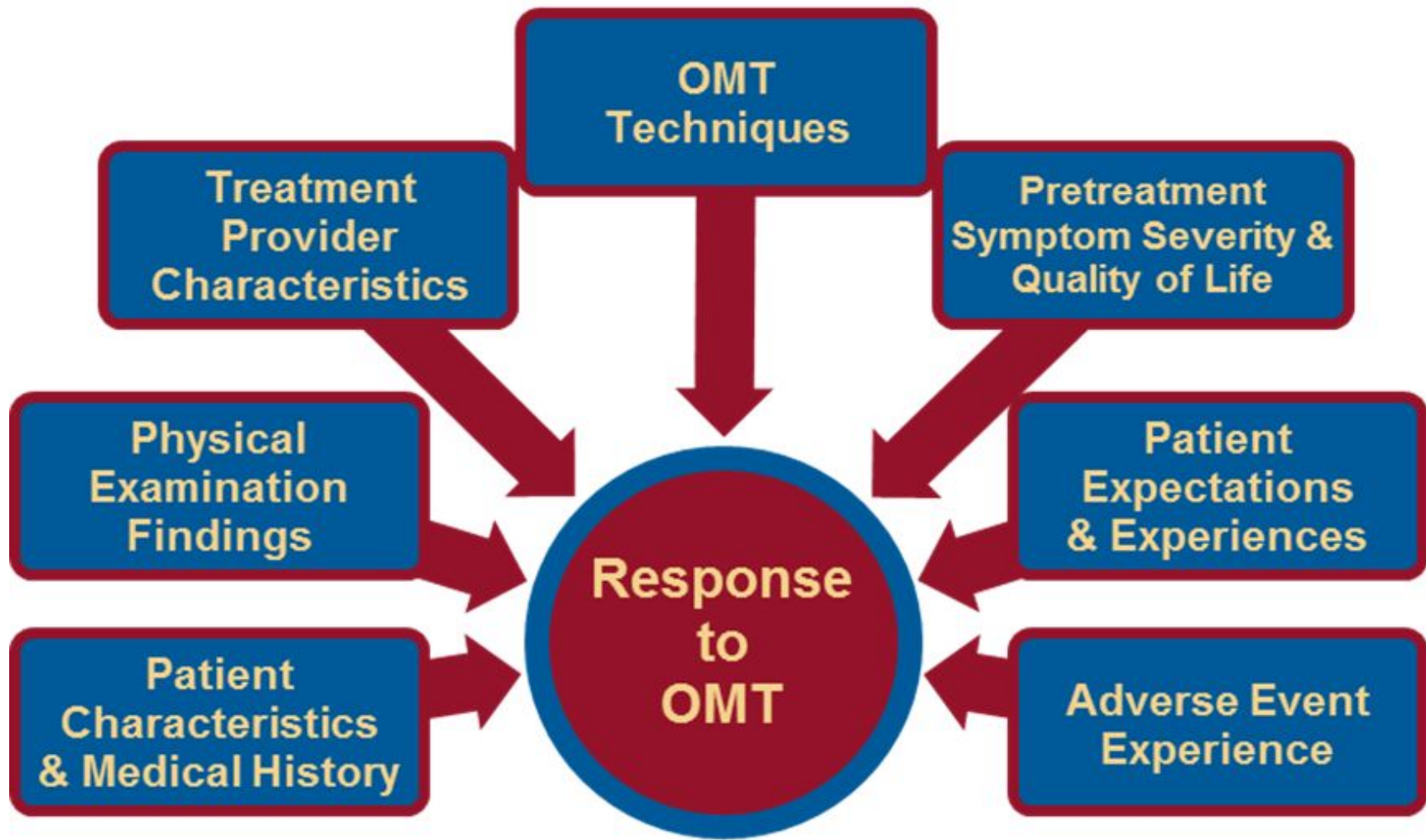
To help patients and healthcare providers make informed decisions regarding whether OMT would be a beneficial treatment to address patients' healthcare needs.



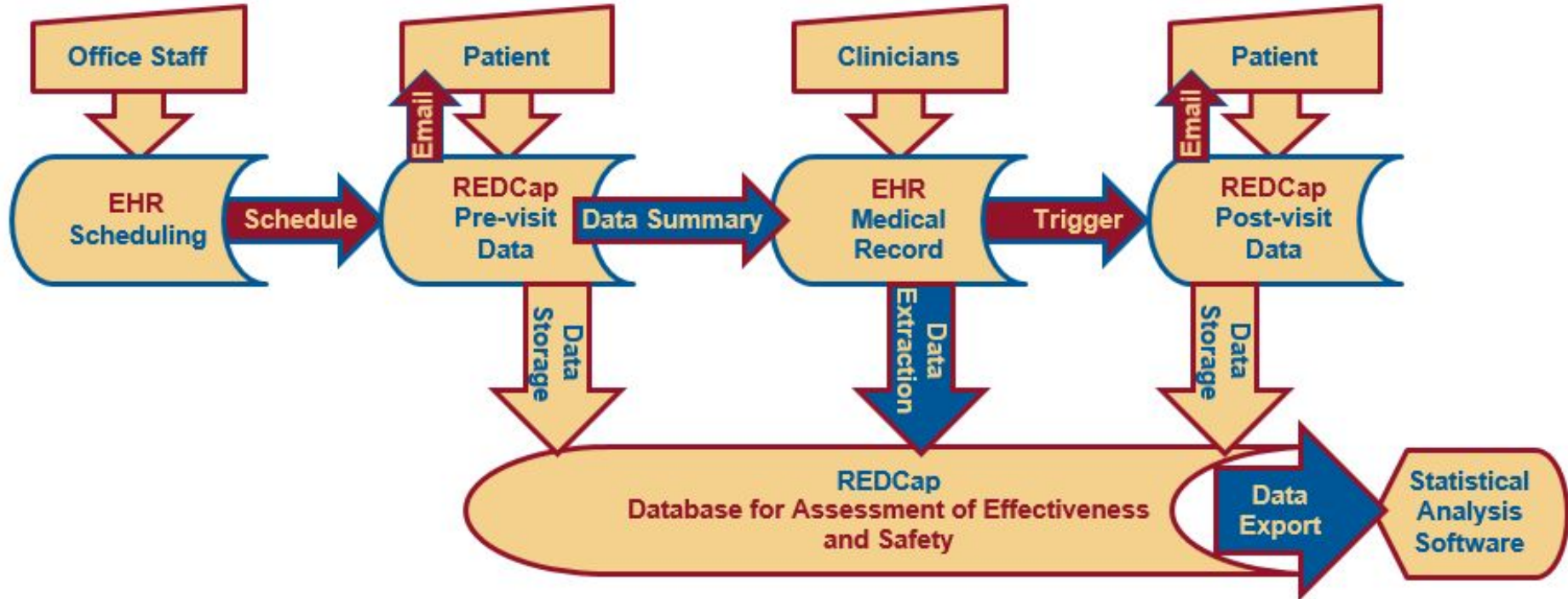
# Example Research Questions

1. Is sustained management with OMT effective in reducing the severity of chief complaints? Improving quality of life?
2. What are the incidence, types, and severity of side effect symptoms reported by patients following OMT?
3. Does the incidence or severity of side effects reported by patients following OMT decrease over longitudinal treatments?
4. What are the key determinants of patient response to OMT?
5. Does treatment effectiveness, lack of effectiveness, or experience with side effects/serious adverse events better predict cessation of treatment with osteopathic manipulation?

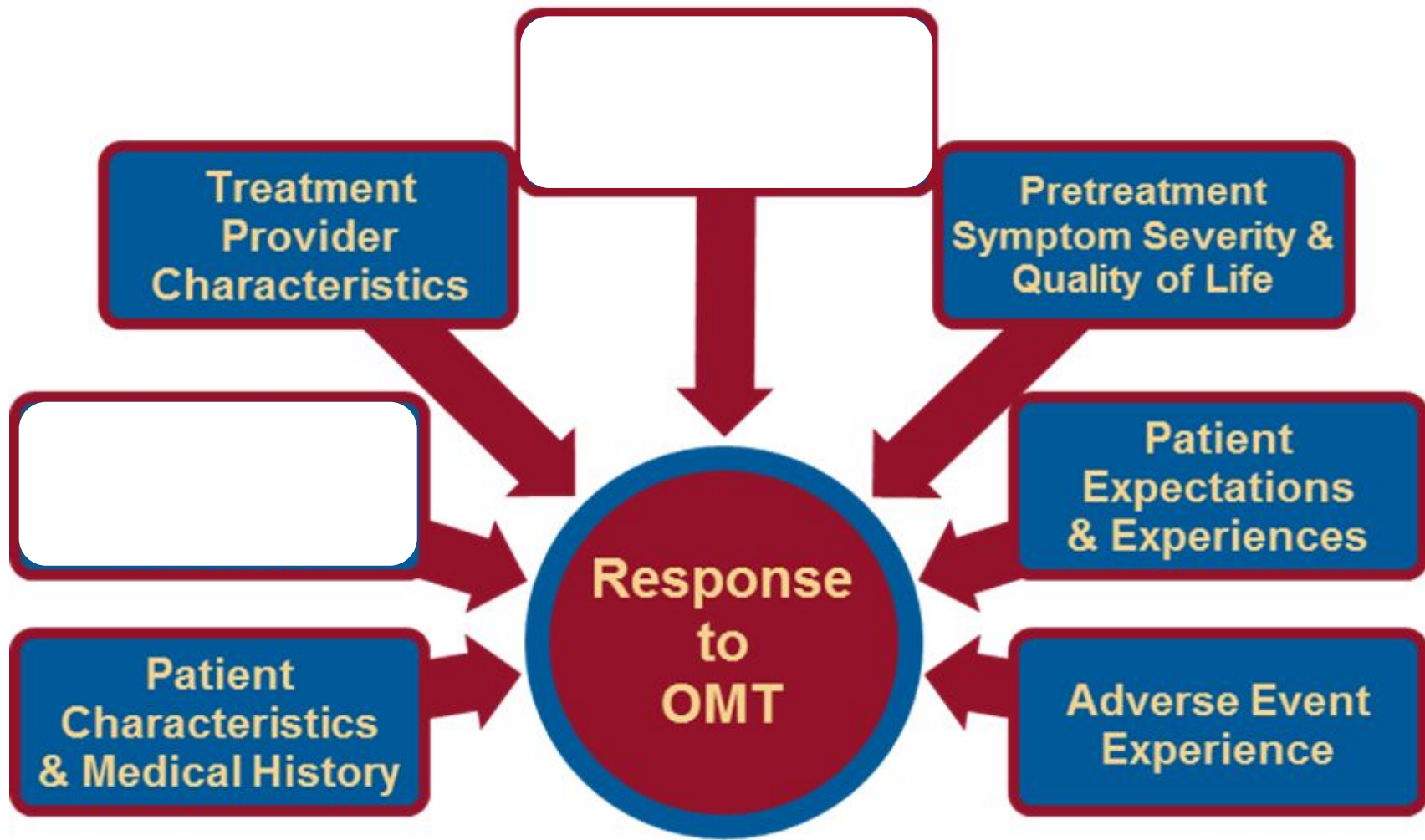




# The Future of OESPRY







# OESPRY Patient-reported Outcomes

## Background and Appointment

- Demographics
- Reason(s) for Appointment
- Patient Expectations

## Pre-OMT (Day -1)

- Baseline
- Problem Severity
  - Side Effect Symptom Severity
  - Quality of Life

## Post-OMT (Day +1)

- Post-treatment
- Problem Severity
  - Side Effect Symptom Severity
  - Side Effect Cause

## Post-OMT (Day +3)

- Post-treatment
- Problem Severity
  - Side Effect Symptom Severity
  - Side Effect Cause

## Post-OMT (Day +7)

- Post-treatment
- Problem Severity
  - Side Effect Symptom Severity
  - Side Effect Cause
  - Quality of Life



# OESPRY Patient-reported Outcomes

Response to OMT = PROs

- Change in Problem Severity
- Change in Quality of Life
- Side Effects/Adverse Events
  - Occurrence
  - Severity



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# Exercise

Hands-on experience with OESPRY as a patient



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# Discussion

How would you introduce OESPRY into your clinical practice?



# Interpreting PROs

- General guidelines
- Cut-off score/levels of severity
- Reference scores
- Follow-up structured interview
- Link to management guidelines
- Comparison to previous scores
- Minimally clinically important difference



# PRO Reporting

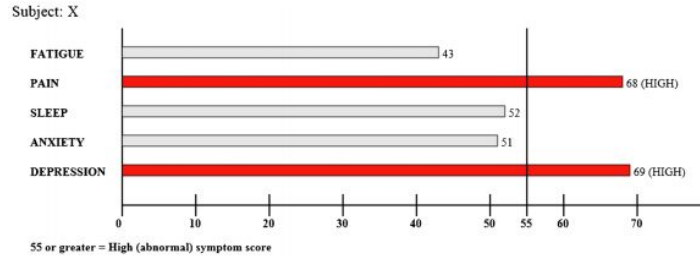
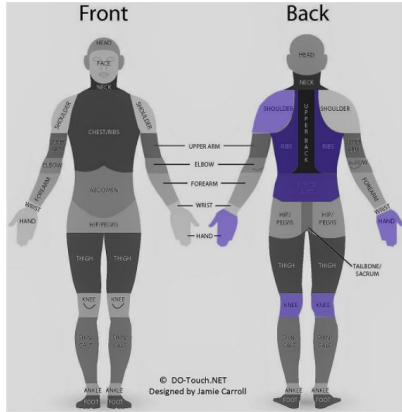
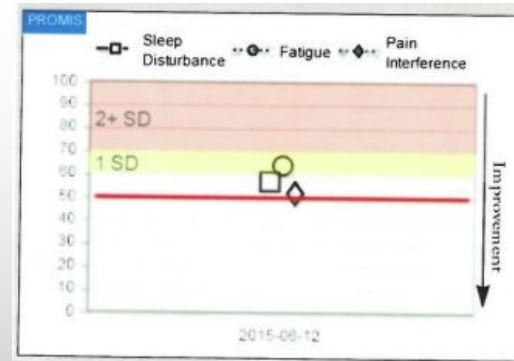
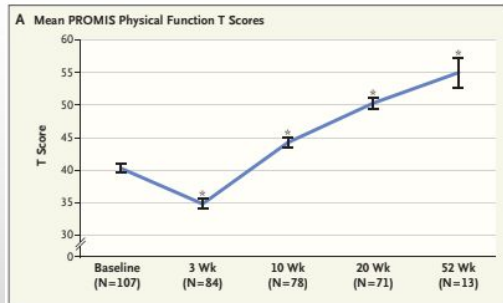
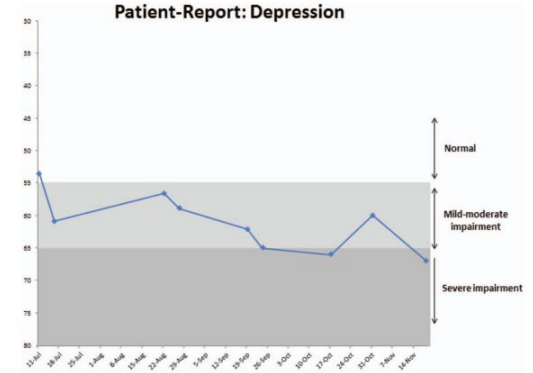
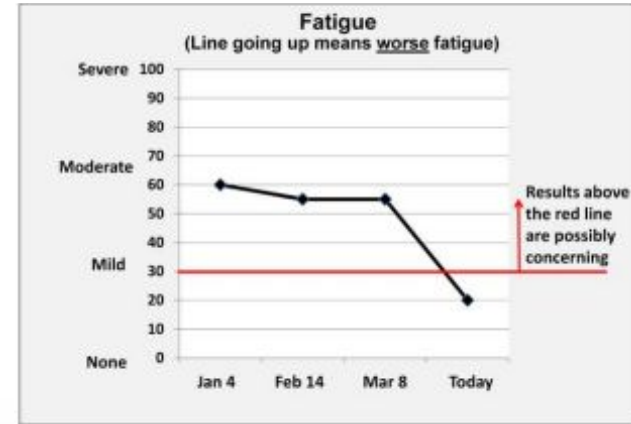
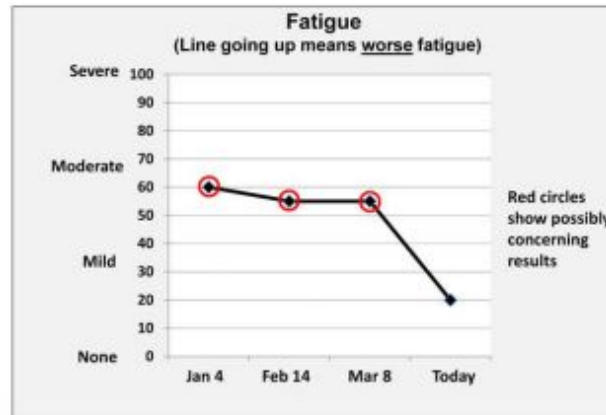
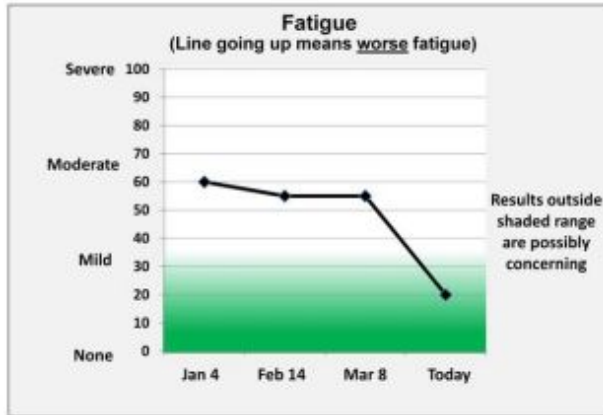


Fig. 1 Visual display of PROMIS symptom scores provided to physicians in feedback group.



# PRO Report Formats

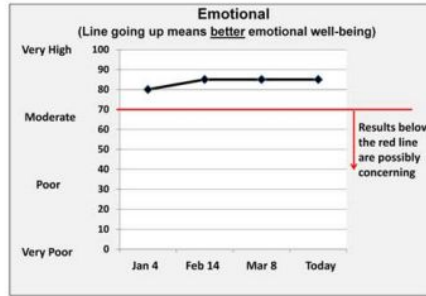
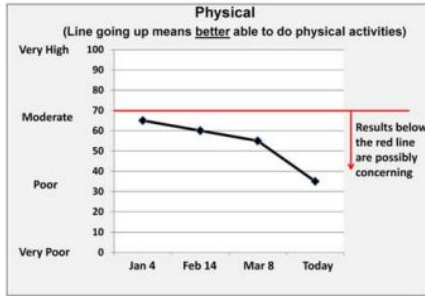




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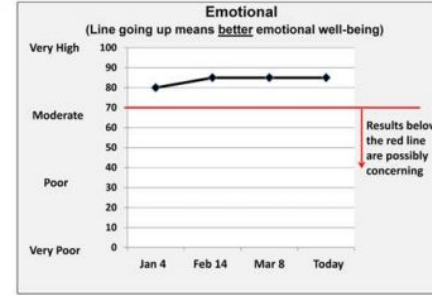
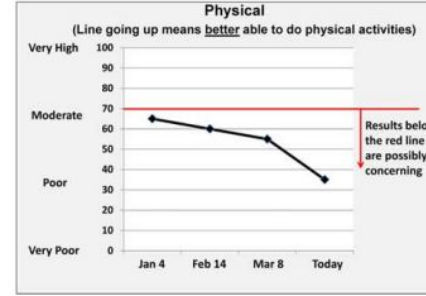
a)

Patient's Functioning

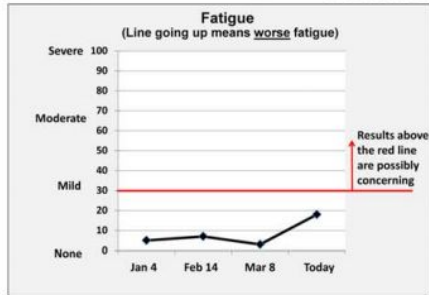


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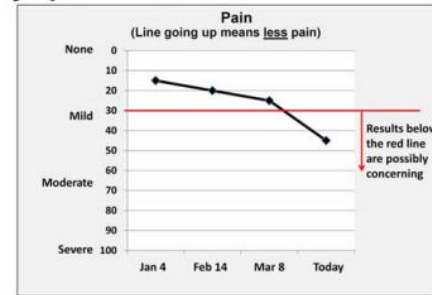
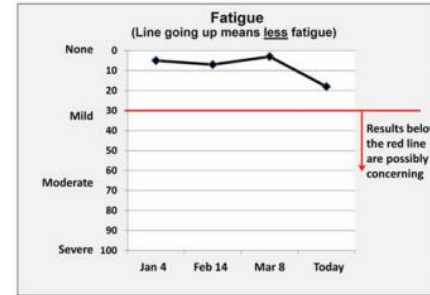
Patient's Functioning



Patient's Symptoms



Patient's Symptoms



# Discussion

- How can you use PROs to improve two-way communication with your patients?
- How will you respond if your patient's PROs indicate there may be some issue?



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# Exercise

Hands-on experience with OESPRY as clinic staff  
(and patient)



# Discussion

- How can you integrate collection of PROs into your clinic workflow?
- What challenges will you need to address?

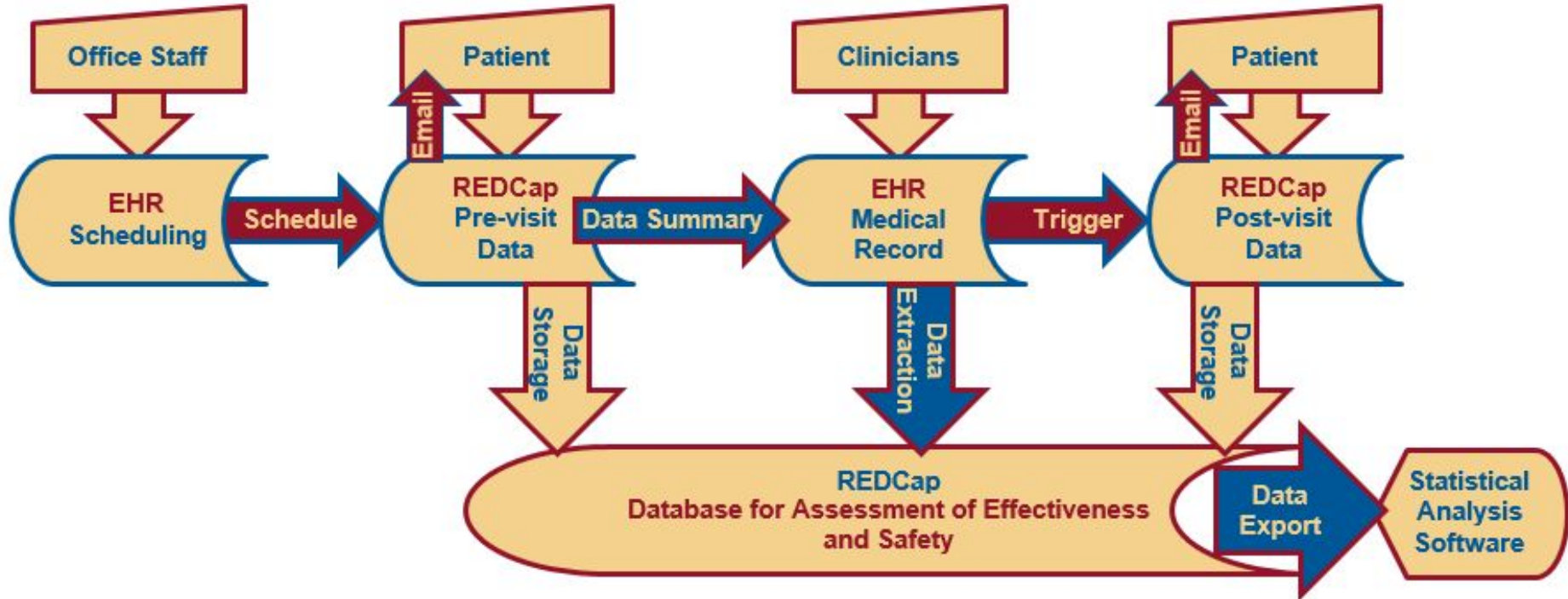


# Future Steps

1. Patient-reported Outcomes report for single appointment available for clinicians
2. Spanish translation and release in USA
3. Adverse event alert/notification to clinician
4. International releases (Germany, Brazil, ...)
5. Longitudinal Patient-reported Outcomes report available for clinicians
6. Manual entry of physical examination and treatment data
7. Link with EHRs for:
  - a. scheduling
  - b. importing PRO report
  - c. download physical examination and treatment data
8. Coordinating with researchers on studies including clinical outcomes (eg, biomarkers, functional measures like balance)



# The Future of OESPRY



# Evidence-based References

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