

PRESENTER:  
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**BACKGROUND:**

- Burn injuries = significant morbidity.
- Laser therapy ↓ pain, thickness, contractures. Improves pliability, texture, pigment & heat sensitivity



- 3 scales measure improvement:
  - Patients fill The Patient & Observer Assessment Scale (POSAS), The 5D Itch Scale & The Nerve Scale
  - Providers fill Observer - POSAS scale



**METHODS**

- Chart review to determine completion
- Adequate = all 3 scales present for baseline AND for 1<sup>st</sup> laser treatment evaluation



**RESULTS**

Data Set	# of Patients	# of Sessions	# of Laser Treatments
Adequate	24 (53.3%)	113 (55.1%)	69 (53.9%)
Inadequate	21 (46.7%)	92 (44.9%)	59 (46.1%)
Total	45	205	128

Table 1. Adequate vs. inadequate data breakdown

- Inadequate data = approx. 1/3 split with missing provider POSAS, missing patient scales, missing all outcome data

Session Types	# of Sessions
Baseline	45 (22%)
Pre-Laser	10 (4.9%)
Post-Laser	128 (62.4%)
Follow up	22 (10.7)
Total	205

Table 2. Breakdown of session # s by type

Adequate Data	# of Patients
1 Laser Session	12 (50%)
Multiple Sessions	12 (50%)
Total	24

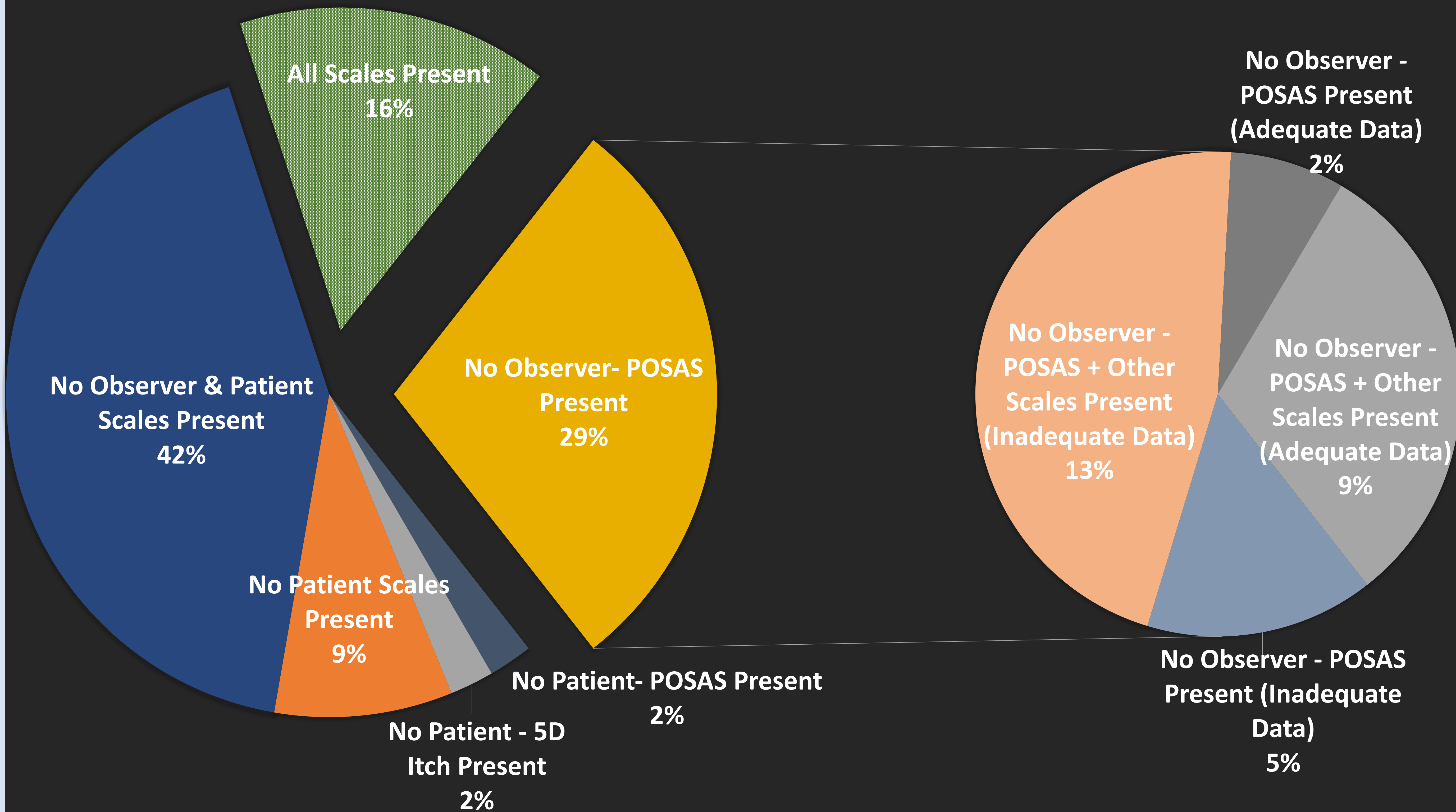
Table 3. Breakdown of adequate data by # of sessions: only 50% data available for meaningful longitudinal comparison

# Low Completion Rate of Patient Reported Outcome Measures (PROMS) in Burn Clinic: An Opportunity for Improvement

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Review of laser therapy outcome data shows approximately 1/3 of all patients missing provider assessments

FIGURE 1. COMPLETION OF OUTCOME MEASURES ACROSS PATIENT POPULATION



Disclosures: None

Figure 2. Pattern of missing measures across all 205 sessions

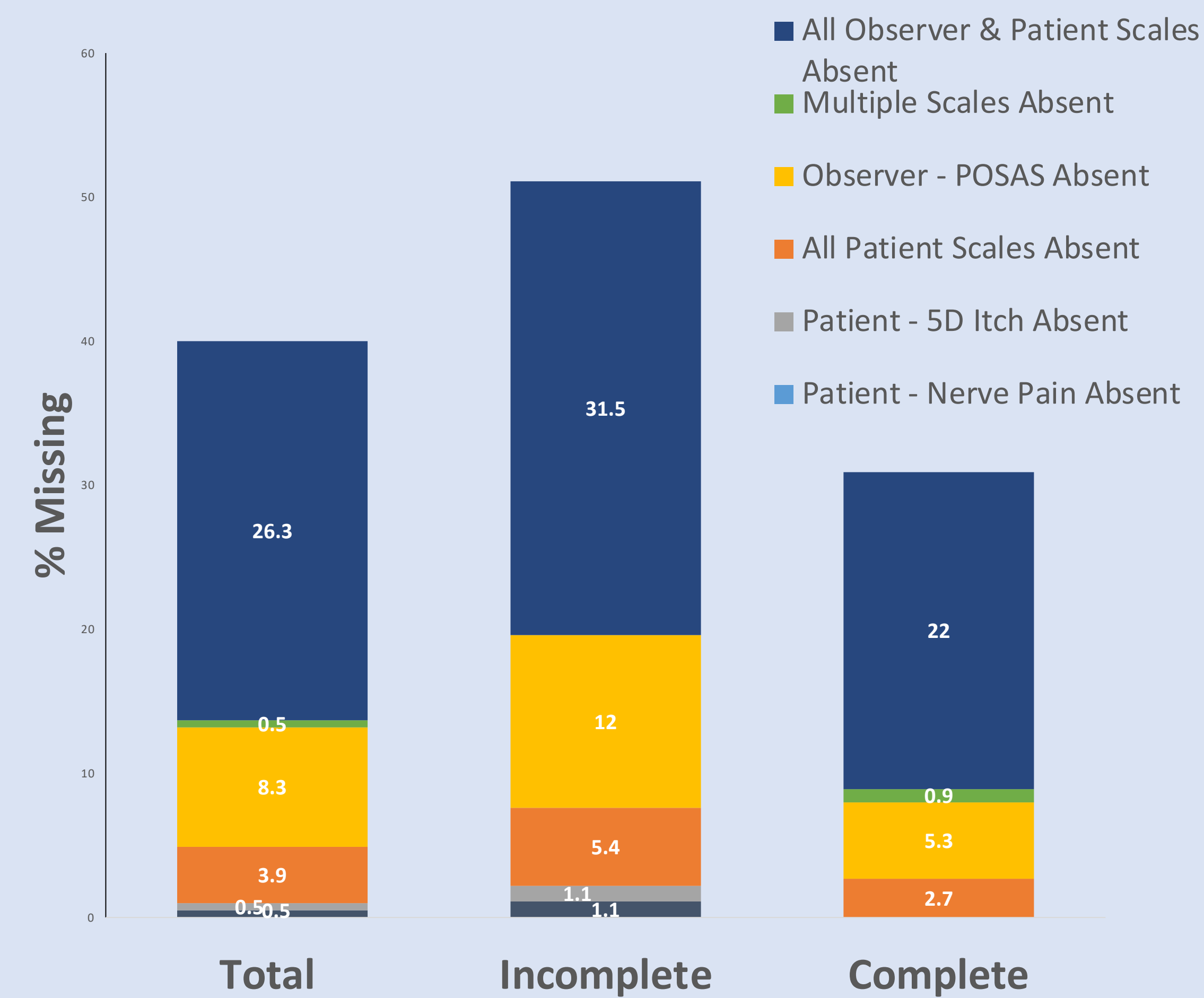
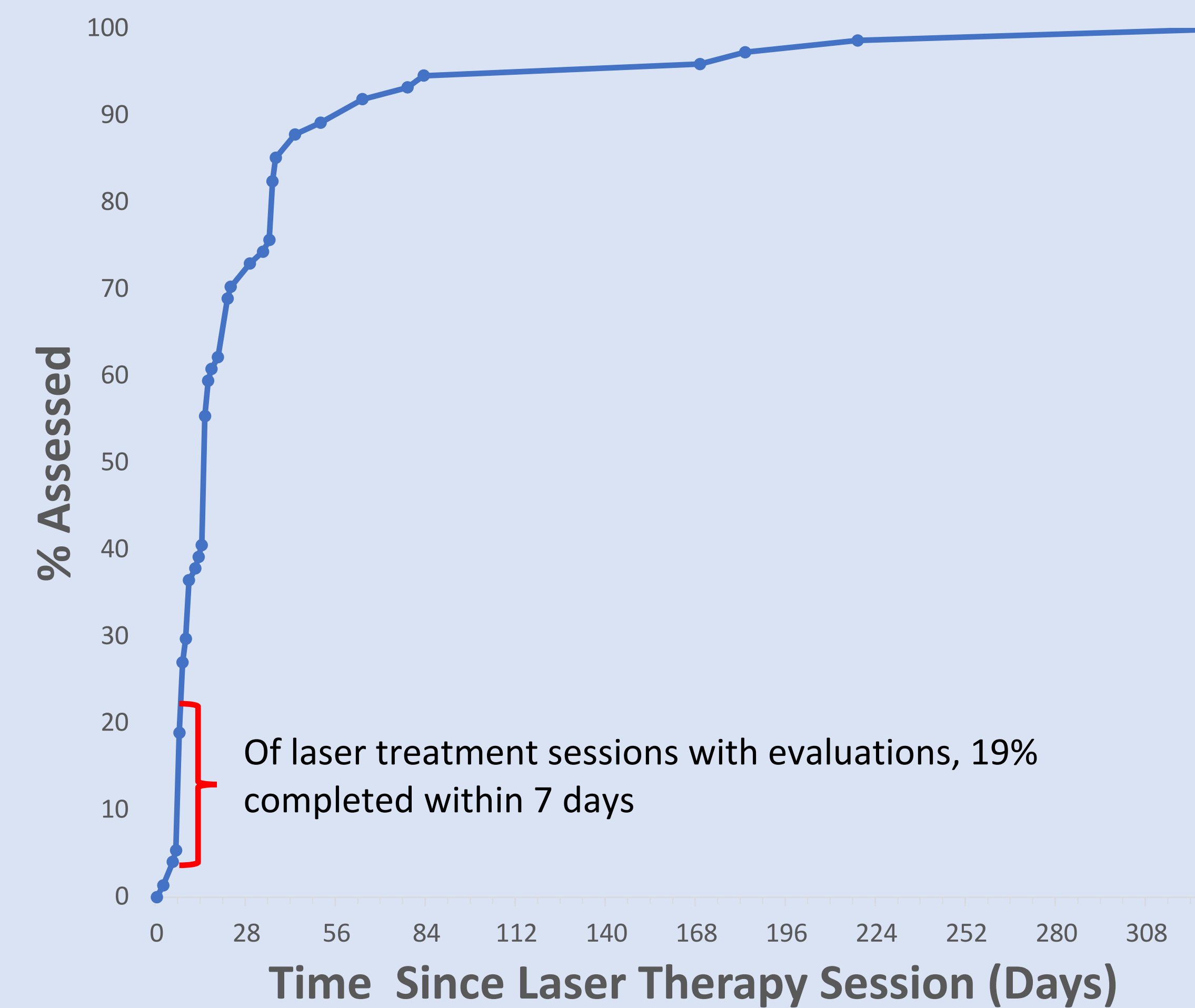


Figure 3. Time to post laser therapy evaluation



**FUTURE DIRECTIONS:**

- Process map current state workflow of data collection
- Semi-structured interviews with providers to identify barriers to timely completion
- Survey patients to assess health literacy
- Patient & provider user-center approach to re-design collection of PROMs