

BACKGROUND

- Up to **66%** Rheumatoid Arthritis (RA) patients are affected by depression ^{1,3,4}.
- Approximately **17%** of RA patients are diagnosed with major depression disorder ¹.
- It has been reported that rheumatologists rarely discuss the topic of depression with their patients during office visits ⁵.
- At Keck clinic, chart-review showed that among 167 patients, **17%** of RA patients are co-diagnosed with depression. (Figure 1)
- According to previous data, Keck clinic has not had proper intervention for patients with positive PHQ-9 ². (Figure 2)

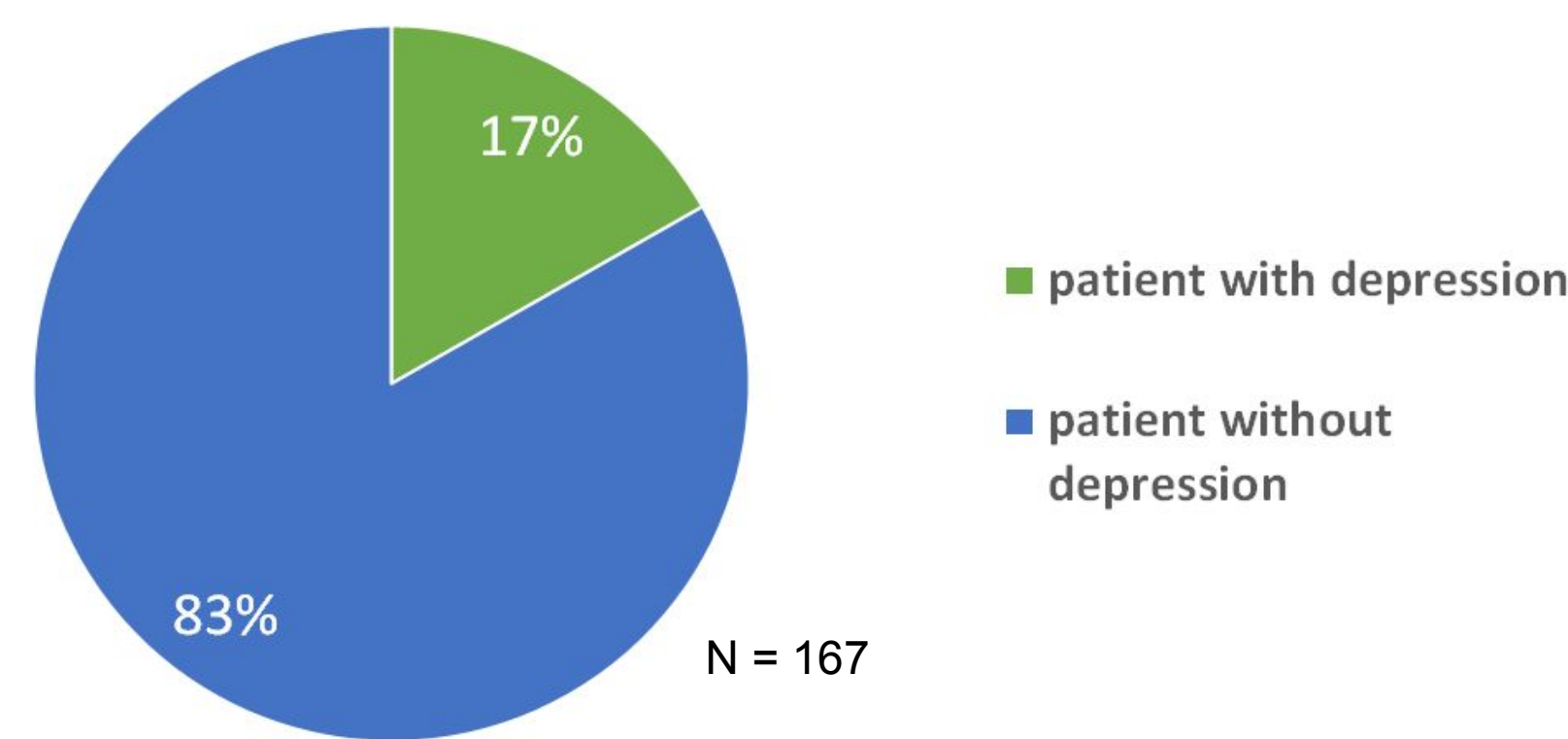


Figure 1: RA patients with depression at Keck clinic

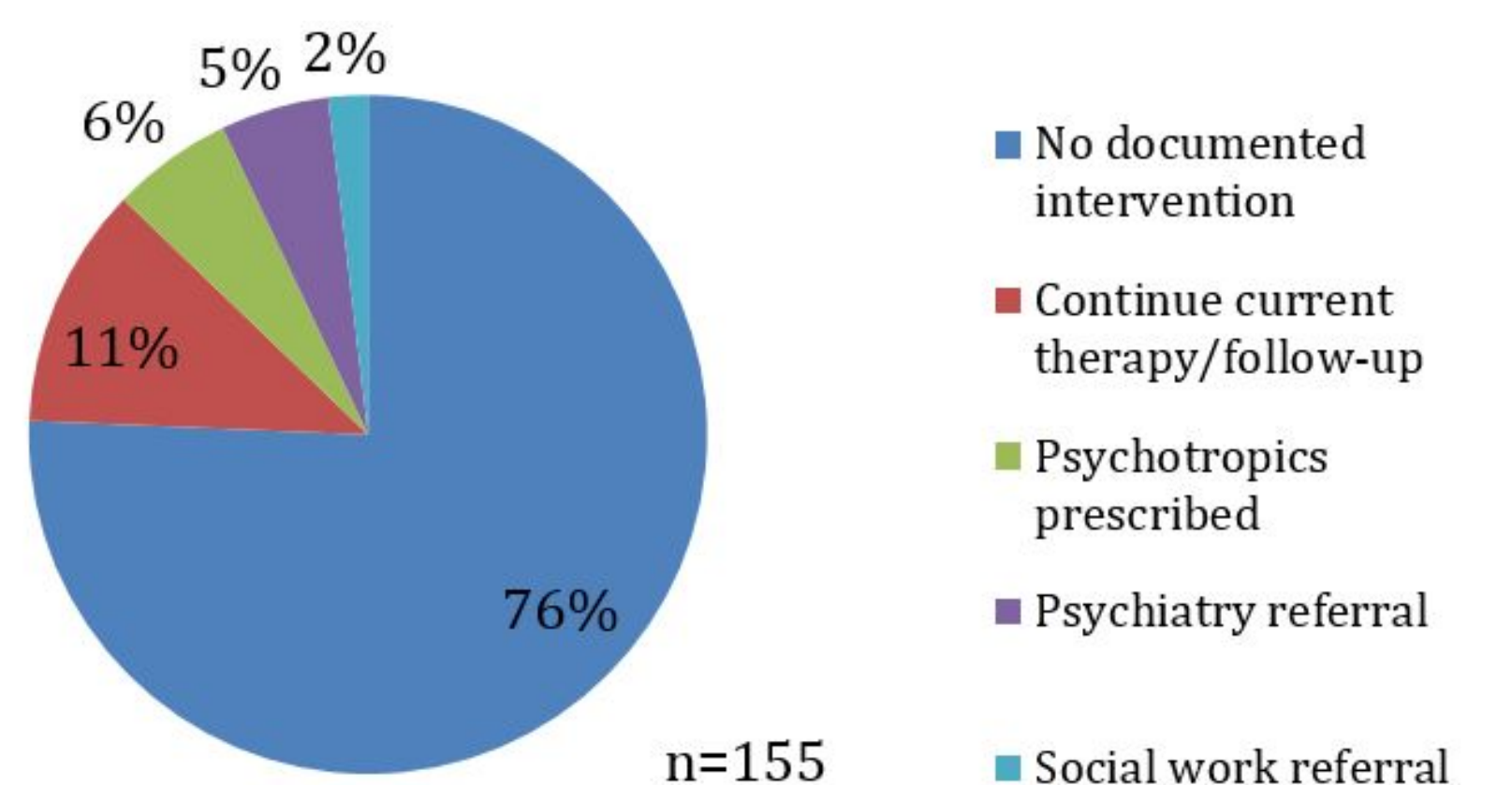


Figure 2: Keck's interventions for patients with positive PHQ-9 score

OBJECTIVES

Purpose

Incorporate clinical pharmacy into an interdisciplinary depression management program at Keck Rheumatoid Arthritic clinic

1 Primary Objective

Assess the qualitative outcomes of the program through PHQ-9 improvement and medication adherence

2 Secondary Objective

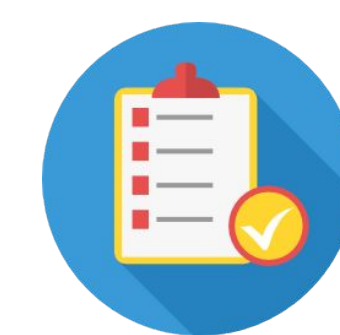
Evaluate patient's perception and satisfaction of the pharmacist-led depression management program

METHODS

1 Assess the qualitative outcomes of the pharmacy service:

- PHQ9 improvement
- Medication adherence via MMAS-8

2 Survey:



Perception Survey (Pre-implementation)

- Assess patient's perception of pharmacist managing depression



Satisfaction Survey (Post-implementation)

- Assess patient's satisfaction of pharmacy depression management service

Demographic questions asked in both surveys

Age, Gender, Race (Hispanic/Latino, Asian, Non-hispanic white, African American, Native American or Alaska Native), and the highest level of education.

Perception Survey

Pharmacy service is helpful for my depression care.

Strongly agree	Agree	Disagree	Strongly disagree
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I prefer for my depression to be managed ONLY by physician.

Strongly agree	Agree	Disagree	Strongly disagree
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I prefer my depression to be managed by other healthcare providers (psychologist, pharmacist, occupational therapist, social worker) in addition to physician.

Strongly agree	Agree	Disagree	Strongly disagree
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Using any number from 0 to 10, where 0 being the least preferred and 10 being the most preferred, how comfortable are you to have your depression managed by Keck clinical pharmacists?

0	1	2	3	4	5	6	7	8	9	10
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Satisfaction Survey

How often did you feel that the time you spent with the clinical pharmacist was appropriate?

Never	Sometimes	Usually	Always
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How often did pharmacy staff (pharmacist, pharmacy students, nurse) treated you with courtesy and respect?

Never	Sometimes	Usually	Always
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After seeing the clinical pharmacist, I understand my medications better.

Strongly agree	Agree	Disagree	Strongly disagree
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Pharmacy service is helpful for my depression care.

Strongly agree	Agree	Disagree	Strongly disagree
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METHODS (cont.)

Inclusion/Exclusion Criteria:

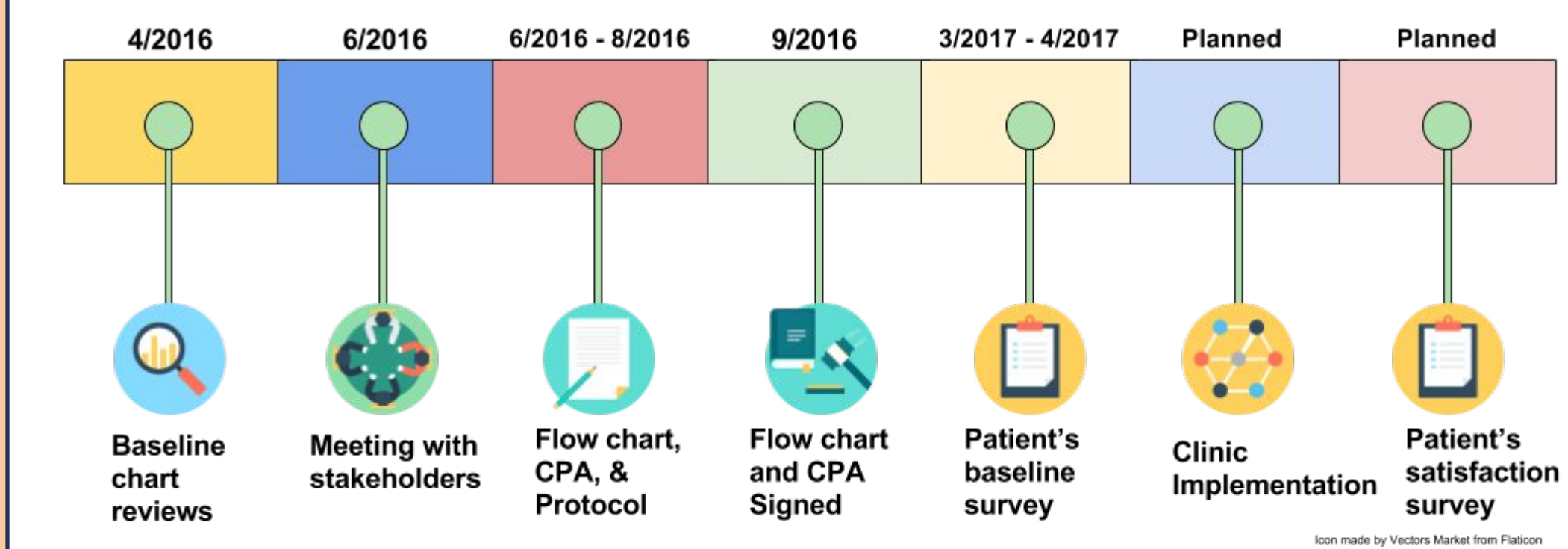
Inclusion criteria	Exclusion criteria
<ul style="list-style-type: none"> ≥ 18 years old From Keck Medical Center of USC Rheumatoid Arthritis clinic English-speaking Diagnosed with depression (with or without anxiety) Referred to pharmacy clinic by physicians or behavioral health specialists 	<ul style="list-style-type: none"> < 18 years old Refusal to participate in the study Non-English speaking Diagnosed with or history of bipolar disorder, substance abuse, psychosis symptoms and personality disorders

RESULTS

Research and data collection are currently in progress, therefore no results are currently available

FUTURE PLANS

- Administer patient's perception and satisfaction survey
- Pilot depression management services at RA clinic
- Collect outcome data: adherence improvement and PHQ-9 score improvement.



DISCLOSURE

The authors have no conflict of interest to disclose

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