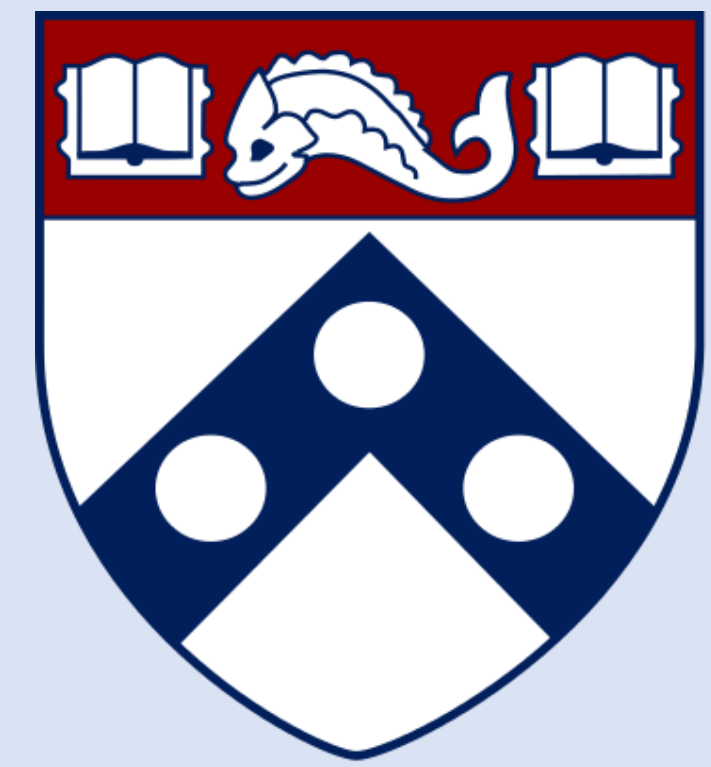


Dermatologist Preferences for Strategies to Improve Statin Use in Psoriasis Patients



John Barbieri, Rinad Beidas, George Gondo, Nathaniel Williams,
April Armstrong, Alexis Ogdie, Nehal Mehta, Joel Gelfand

john.barbieri@pennmedicine.upenn.edu

Twitter: @DrJohnBarbieri



PURPOSE

- Patients with psoriasis are at increased risk of cardiovascular disease, but are less likely to be prescribed medications such as statins
- What are the most promising implementation strategies to improve statin use among psoriasis patients?

METHODS

- A survey consisting of a best-worst scaling choice experiment of 8 implementation strategies and items on willingness to screen and manage cardiovascular risk factors was fielded among dermatologists and rheumatologists.
- Recruited through the National Psoriasis Foundation and Group for Research and Assessment of Psoriasis and Psoriatic Arthritis from October-January 2020.
- Ratio-scaled preference scores for each strategy were generated using hierarchical Bayes analysis in Lighthouse Studio.

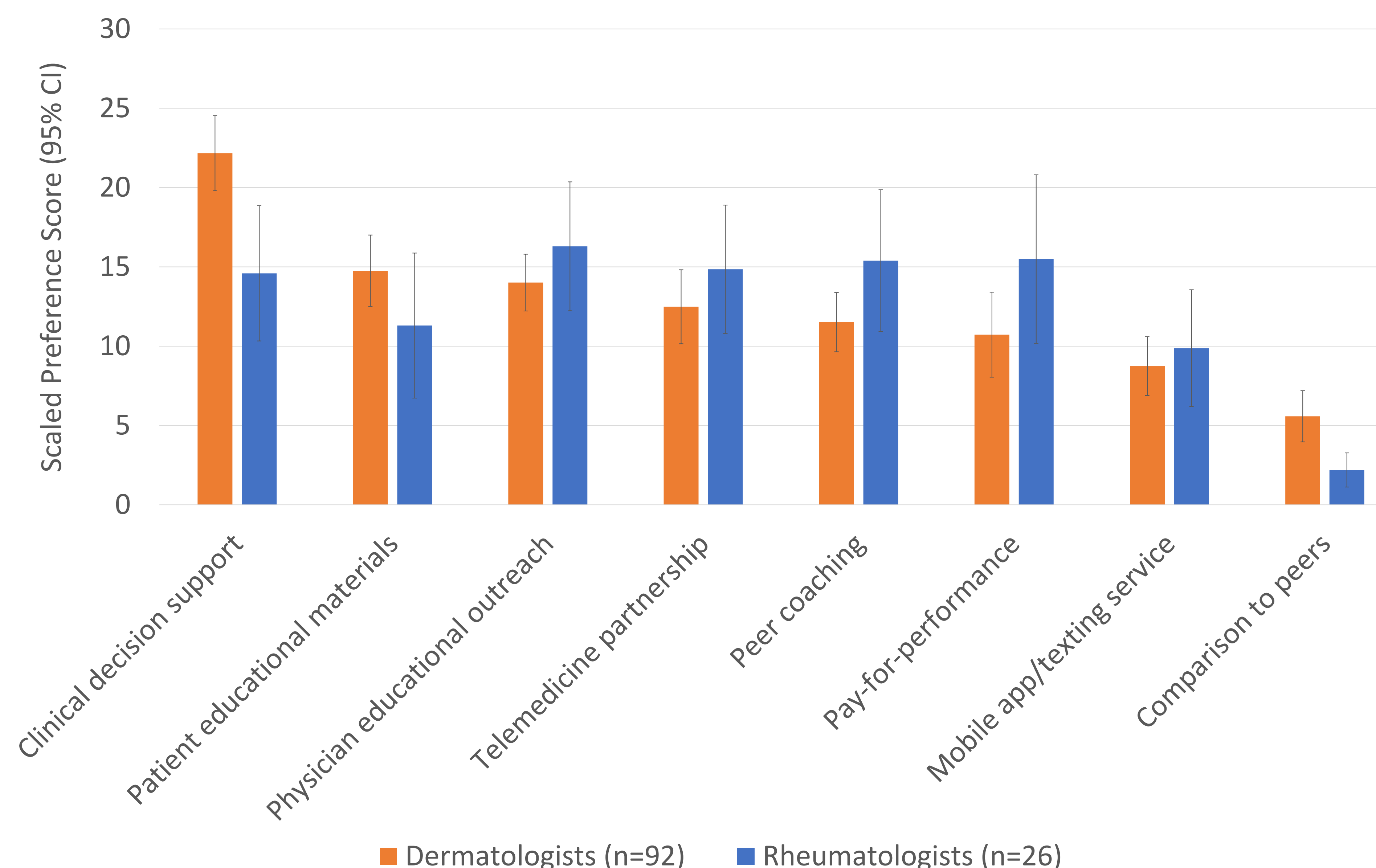
Table 1. Participant Demographics

Characteristic	Dermatology	Rheumatology
N	92	26
Sex		
Male	45%	52%
Female	54%	37%
Declined to Answer	1%	11%
Years in Practice		
≤5 years	19%	15%
6-10 years	11%	19%
11-15 years	13%	7%
16-20 years	11%	22%
>20 years	46%	30%
Practice Setting		
Academic practice	28%	52%
Multispecialty group practice	10%	11%
Single specialty group practice	43%	19%
Solo practice	17%	7%
Other/Declined to Answer	2%	11%

Table 2. Willingness to screen and manage cardiovascular risk factors

Characteristic	Dermatology	Rheumatology
Check lipids doable?		
Completely Disagree	9%	4%
Disagree	5%	15%
Neither Agree Nor Disagree	16%	11%
Agree	41%	33%
Completely Agree	29%	37%
Prescribing statins doable?		
Completely Disagree	8%	7%
Disagree	28%	11%
Neither Agree Nor Disagree	24%	15%
Agree	27%	41%
Completely Agree	14%	26%
Change practice if trial?		
Completely Disagree	4%	0%
Disagree	11%	15%
Neither Agree Nor Disagree	13%	19%
Agree	45%	37%
Completely Agree	27%	30%

Figure 1. Preference Scores for Each Implementation Strategy



RESULTS

- 70% of dermatologists and 70% of rheumatologists agreed checking lipids was doable.
- 41% of dermatologists and 67% of rheumatologists agreed prescribing statins was doable.
- 72% of dermatologists and 67% of rheumatologists agreed they would change practice based on a trial demonstrating improved outcomes.
- The highest ranked implementation strategies were clinician decision support (preference score: 22.2, 14.6), patient education (12.5, 11.3), and physician education (12.2, 16.3).
- The lowest ranked strategies were peer comparisons (5.6, 2.2), a mobile app (8.7, 9.9), and pay-for-performance (10.7, 15.5)

DISCUSSION

- Dermatologists are willing to consider lipid screening and prescribing statins in psoriasis patients.
- These findings will guide the design of a future trial to evaluate strategies to improve lipid screening and statin use among psoriasis patients.