



Matching for Support: A Scenario Based Design on Creating a Platform for the Rare Disease Population



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Why create an application for the rare disease population?



10% of the world's population has a rare disease



Even if they have different diseases, they all share common problems, like:

- Not receiving correct diagnosis
- Lack of medical information and resources
- Social consequences
- Few existing drugs and care with high cost.



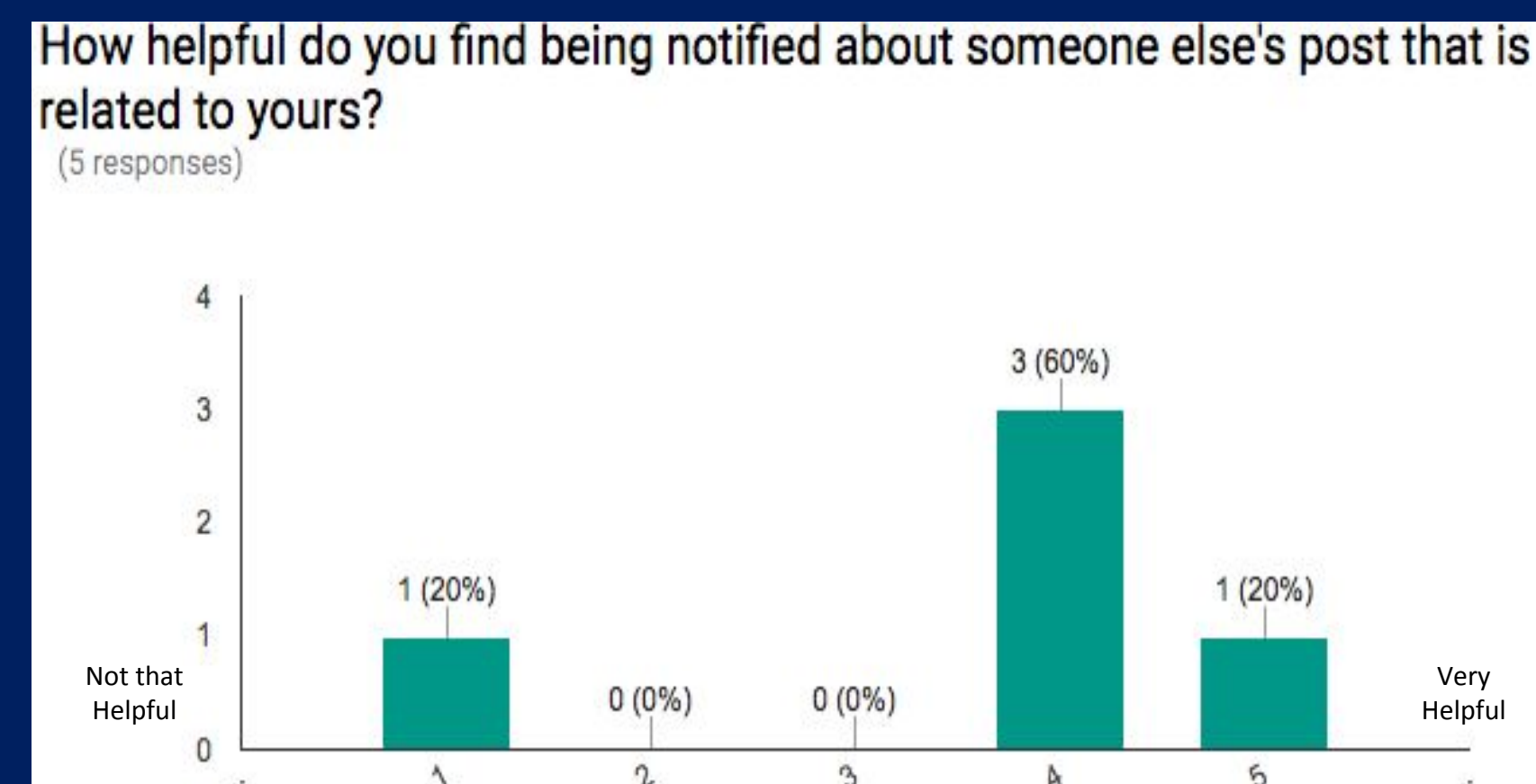
There is a lack of overall awareness of rare diseases, and few solutions exist for the population to receive sufficient support.

Purpose: We present a **scenario based method** for evaluating what features would be **most beneficial** in creating a platform where those with rare diseases can provide one another with **support**. Using the rare disease population's insights, a **future platform** can be developed to **eliminate the challenges** they face in their everyday lives.



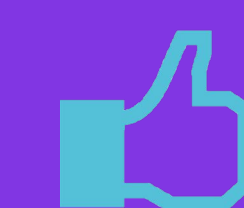
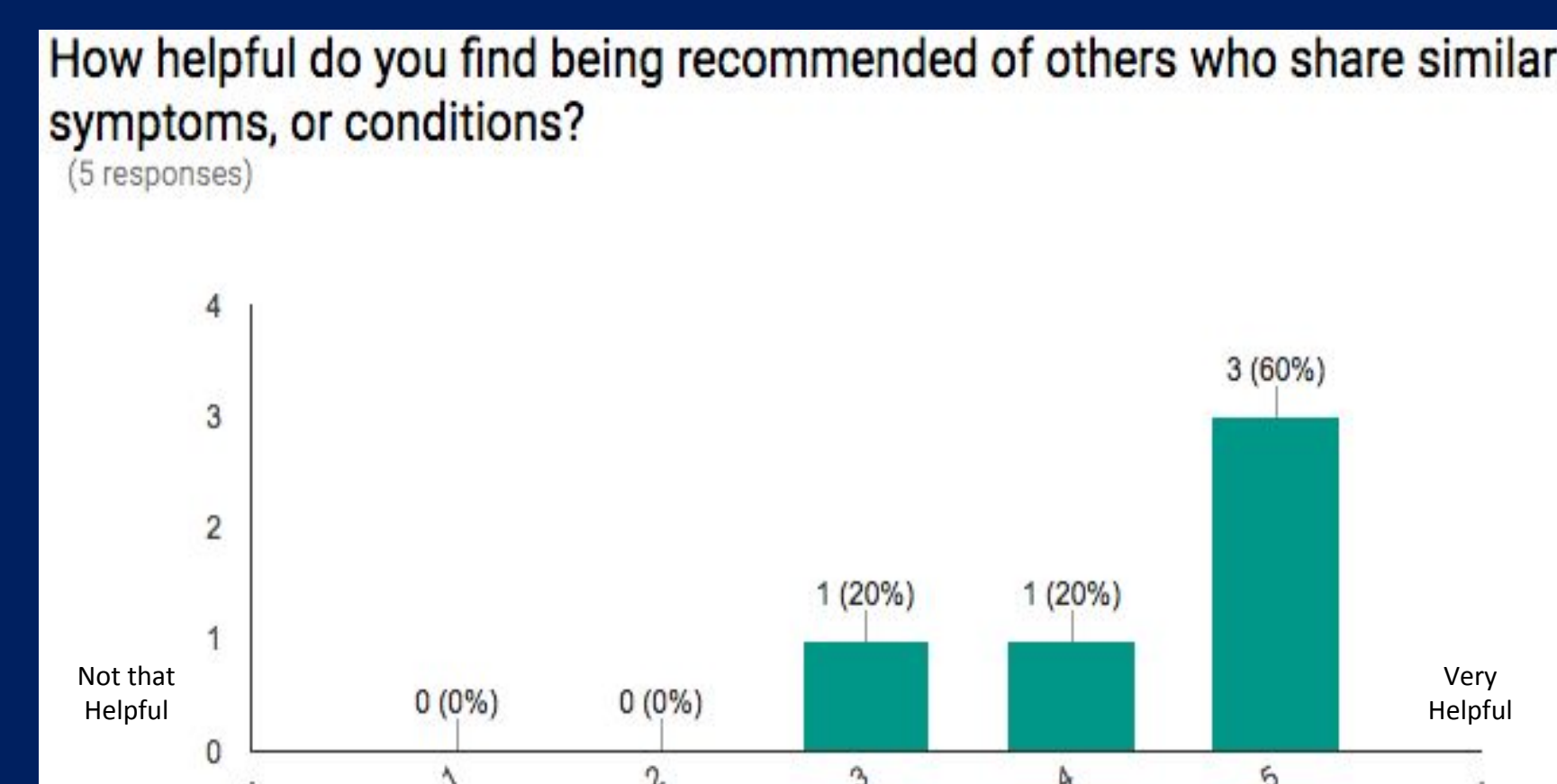
Scenario 1 Direct Notification to User:

Direct Notification to User Based on Similar Facebook Posts to Encourage Communication



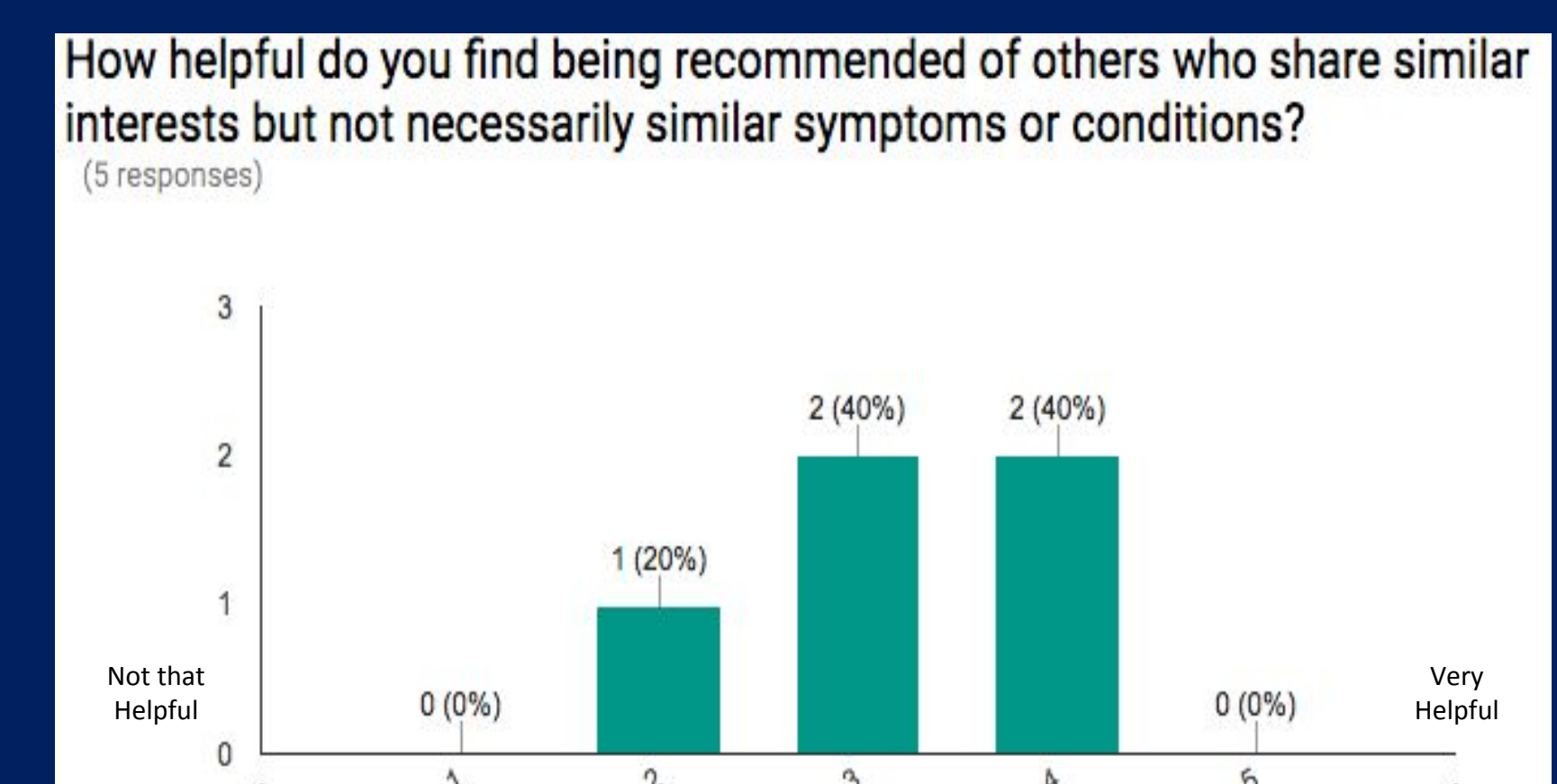
Scenario 2 Symptoms Recommendation:

Suggesting Other Users to Friend Based on Similar Conditions/Symptoms



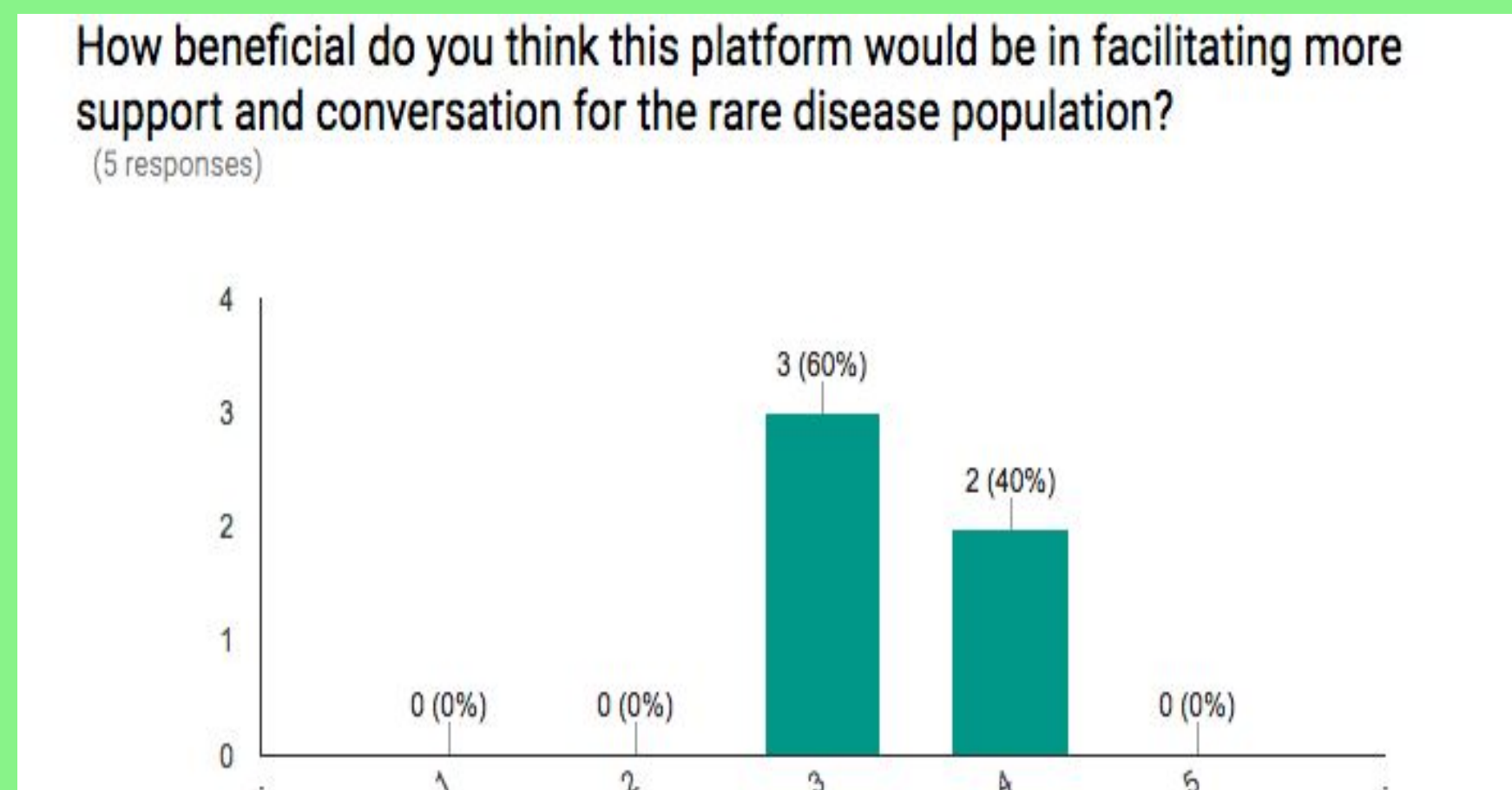
Scenario 3 Interest Recommendation:

Suggesting Other Users to Friend Based on Similar Interests or Facebook Likes



Expected Final Results

- Surveys have been distributed, graphs above based on received responses.
- Graph on the right represents review of overall plan for the application.



Future Work

- Analyze final data
- Investigate Caretakers POV
- Develop Application/Matching Algorithm

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