

Prophylactic treatment for COVID-19 in cardiothoracic transplant recipients

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CTAG Lungs

Purpose of Presentation – Update CTAG

- Potential new prophylaxis treatment for COVID-19
- How CTPG are engaged in the approval process
- Current patient feedback and opinion on;
 - Impact COVID-19 on health and wellbeing
 - Lifestyle changes due to COVID-19
 - Potential impact of effective prophylaxis treatment for COVID-19

Potential new prophylaxis treatment for COVID-19

- AstraZeneca developed AZD 3152 – Sipavibart
- Sipavibart effectiveness being assessed through SUPERNOVA Trial
- SUPERNOVA results and MHRA approval – summer 2024?
- NICE established TA for Sipavibart, current timetable
 - Consultation submissions 17 July 2024
 - Committee meeting 4 December 2024
 - Expected publication 26 February 2025

How CTPG Engaged in Process

- Considerable interest from patients
- Registered as a consultee
- Submitting a consultation response (draft Appendix 1 COVID-19 update paper)
- To provide evidence for submission undertaken patient survey
- Held patient engagement session
- Submitted application to NICE for patient expert in appraisal process

Patient Survey – Responses

Transplant	No	UK Population	% UK Population
Hearts	173	2,852	6.1%
Lungs	79	1,228	6.4%
Total	252	4,080	6.2%

Patient Survey – Had COVID-19

Transplant	Yes	Total	%
Hearts	127	173	73.4%
Lungs	58	79	73.4%
Total	185	252	73.4%

Patient Survey – Required Hospital Admission with COVID-19

Transplant	No	Total	% Admitted
Hearts	17	127	13.4%
Lungs	14	58	24.1%
Total	31	185	16.8%

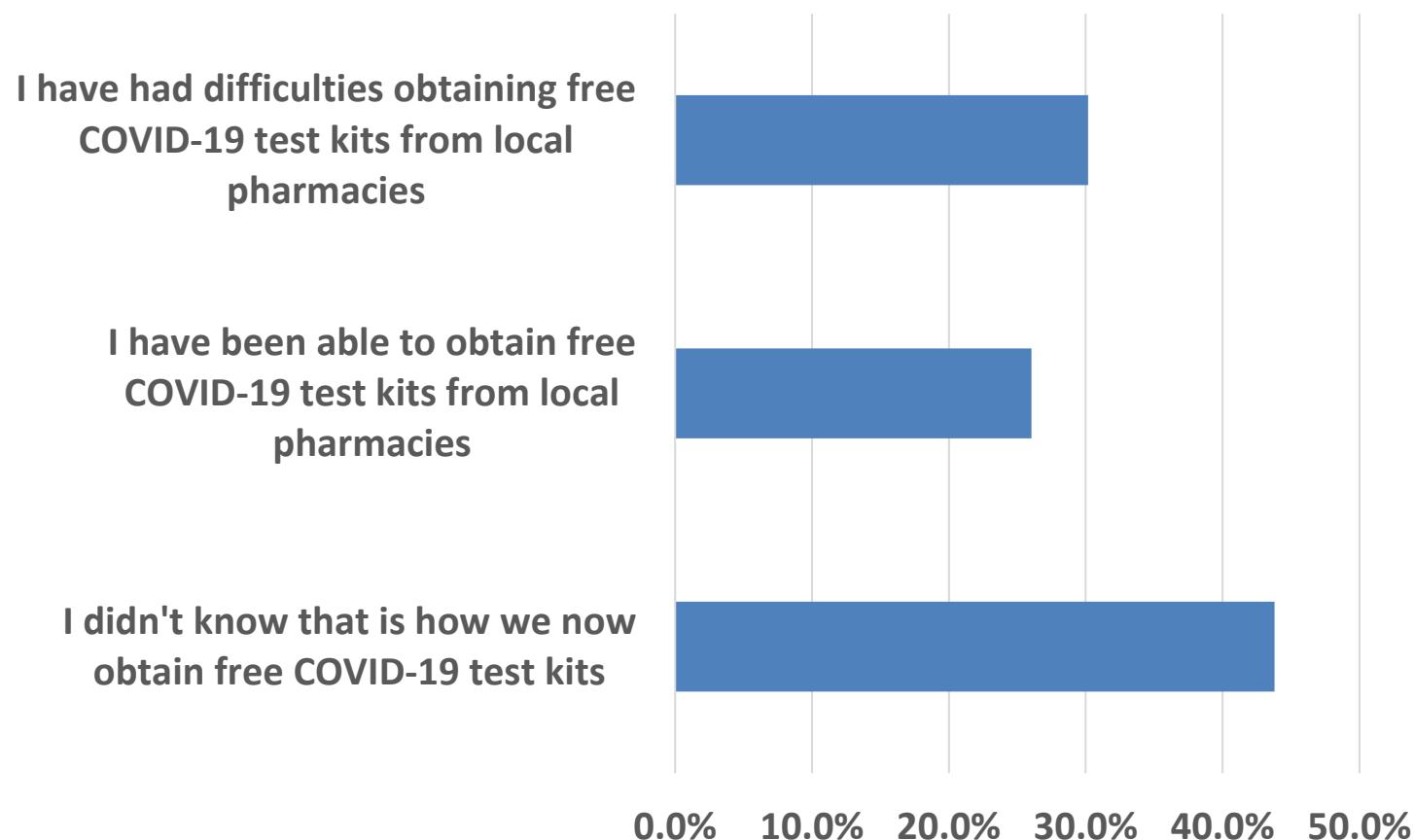
Patient Survey – Long Term symptoms from COVID-19

Transplant	No	Total	Long Term Symptoms
Hearts	21	127	16.5%
Lungs	20	58	34.5%
Total	41	185	22.2%

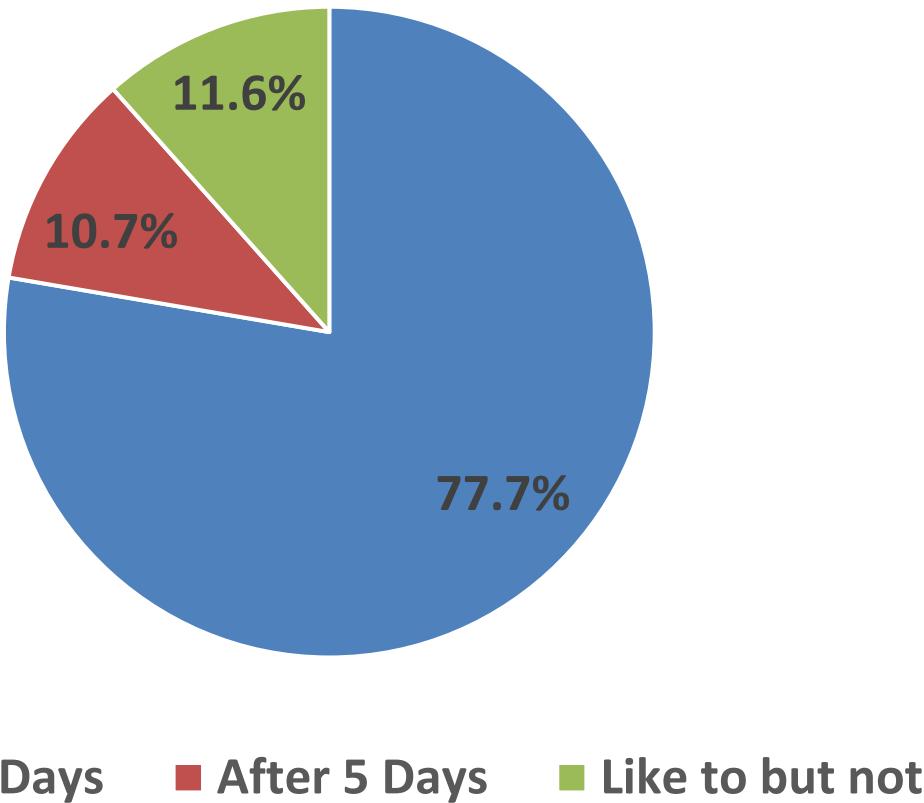
Long term symptoms from COVID-19

- Fatigue
- Tiredness
- Breathlessness
- Reduction in exercise tolerance
- Reduction in lung function
(especially in lung patients)

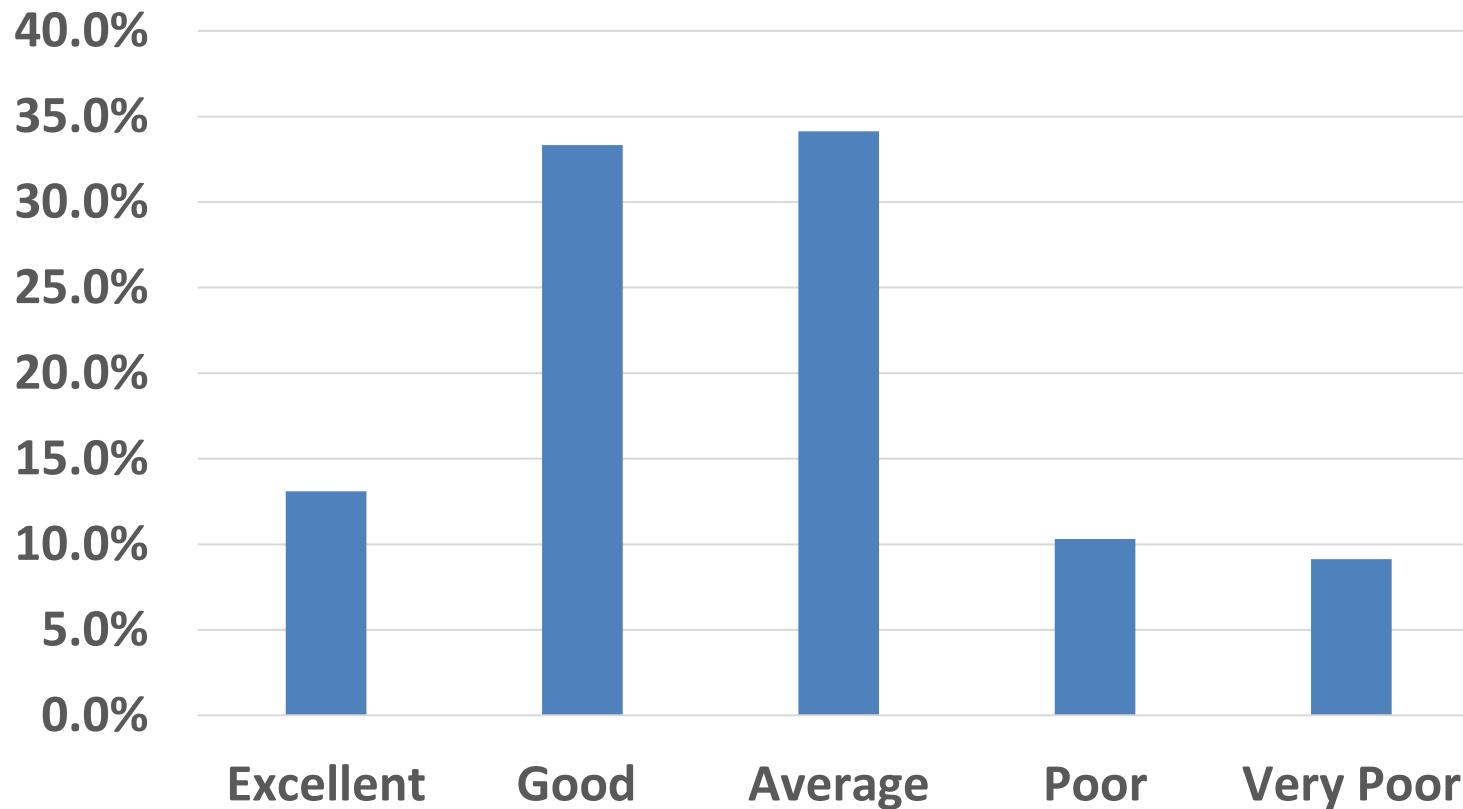
Patient Survey – Obtaining COVID-19 Test Kits



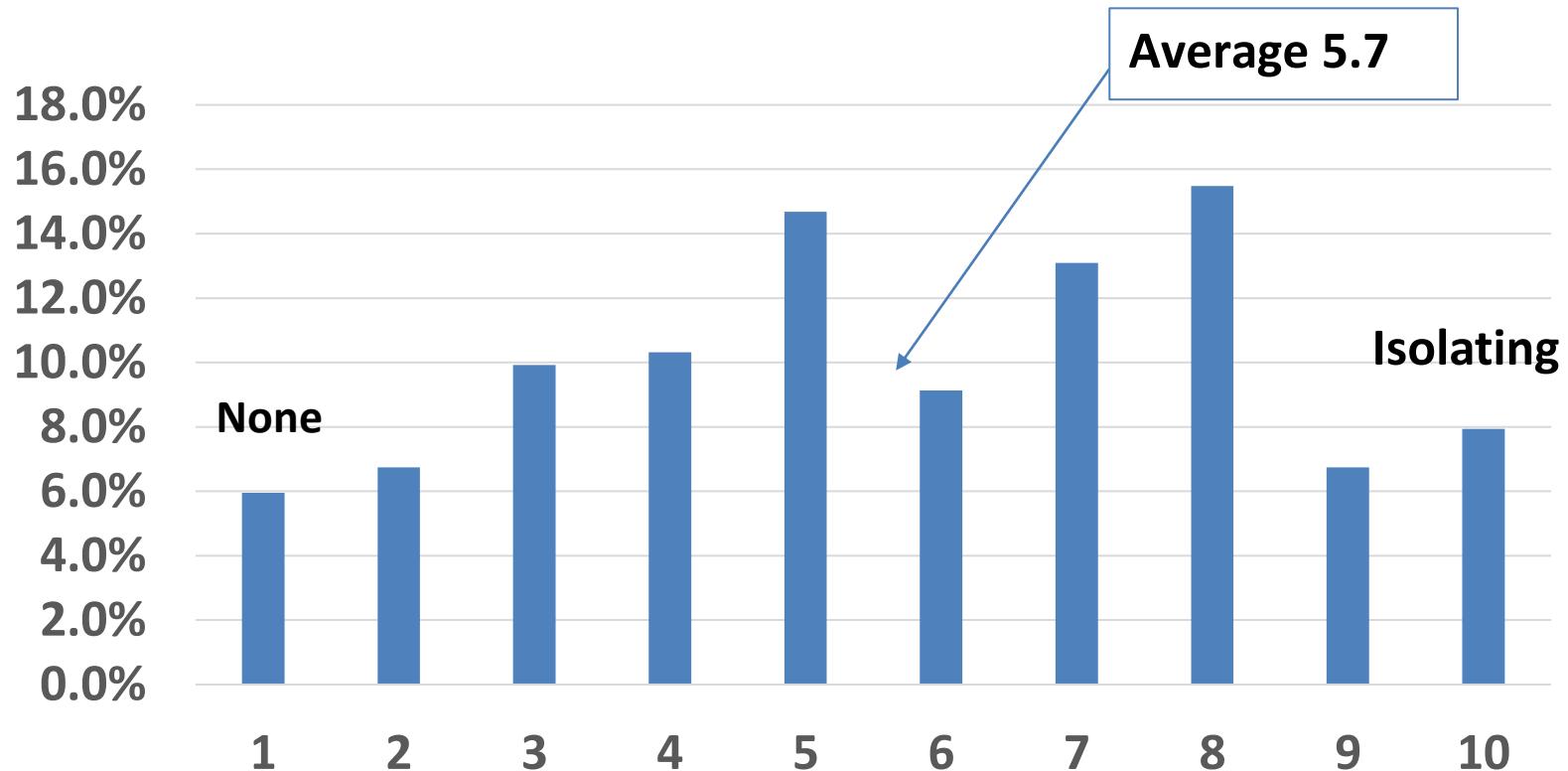
Patient Survey – Receiving Treatment for COVID-19



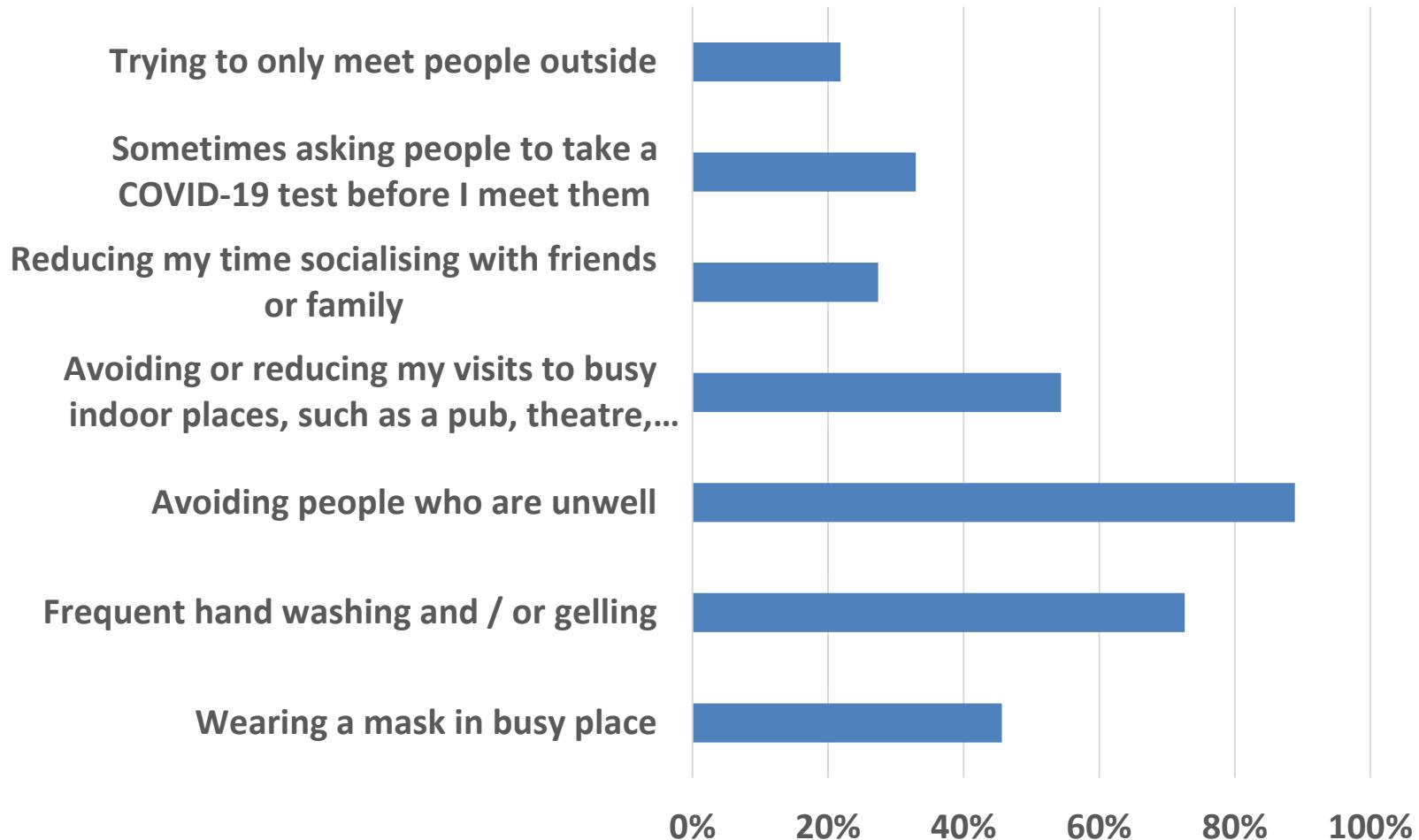
Patient Survey – Opinion of COVID-19 Treatments



Patient Survey – Lifestyle Changes



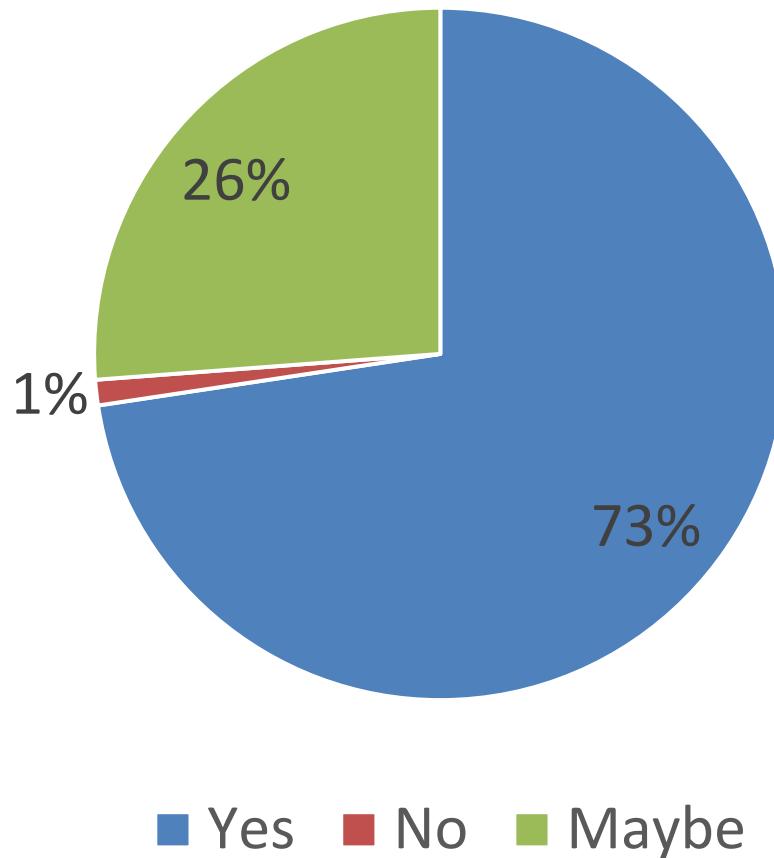
Patient Survey – Lifestyle Changes



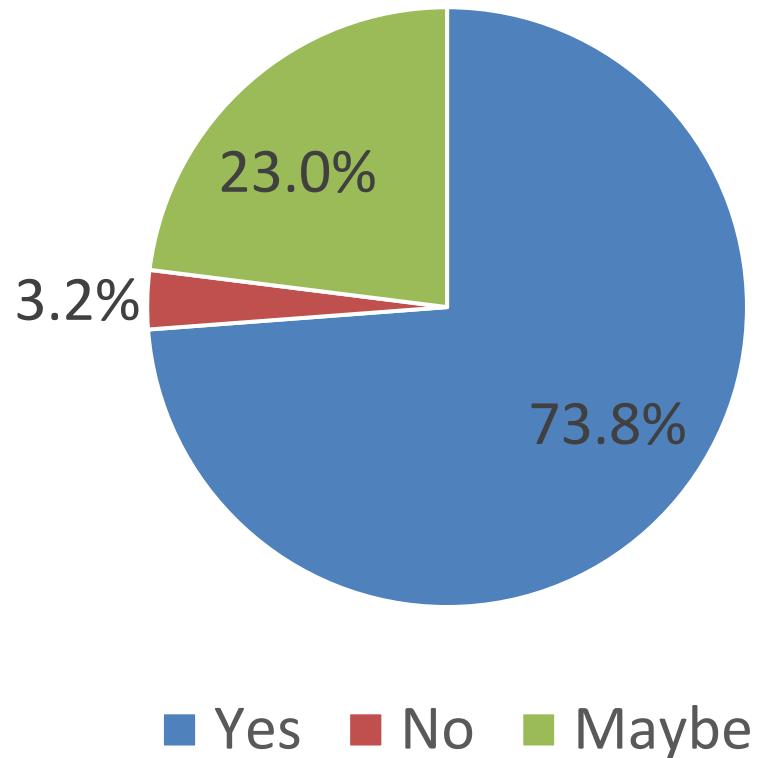
Lifestyle changes and impact

- Almost all people are making some lifestyle adjustments
- Over half report lifestyle closer to lockdown than pre COVID-19 life.
- Anxiety, fear, depression, poor quality of life
- “Shielding at home is so destroying. I am such an outgoing person and had such a wonderful social life. Now I feel like I’ve been left behind, I do the same thing more or less every day and just feel a prisoner in my own home.”
- “I don’t think I have the words to adequately describe the mental load of thinking about catching covid again.”

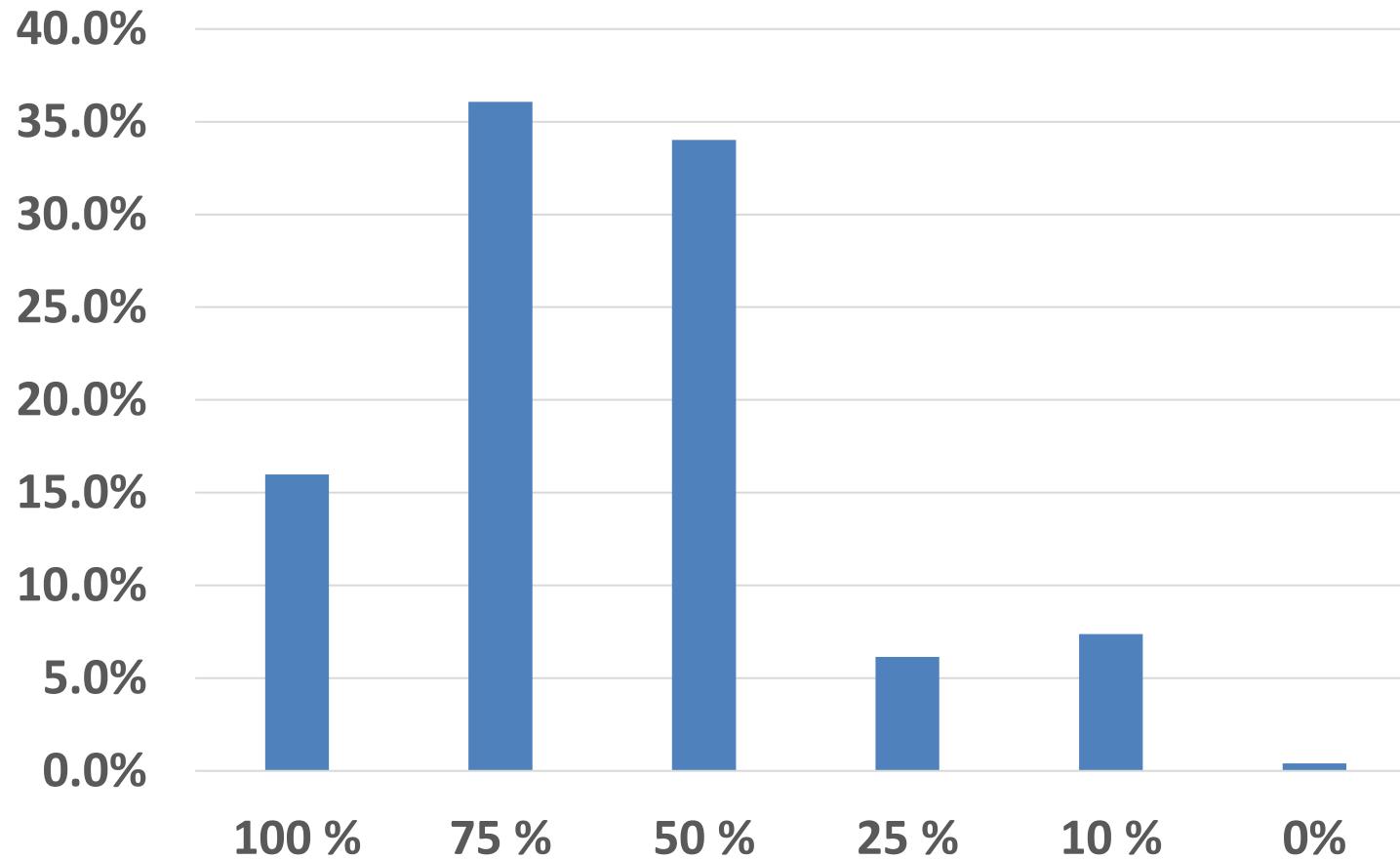
Patient Survey – Need for a Preventative Treatment



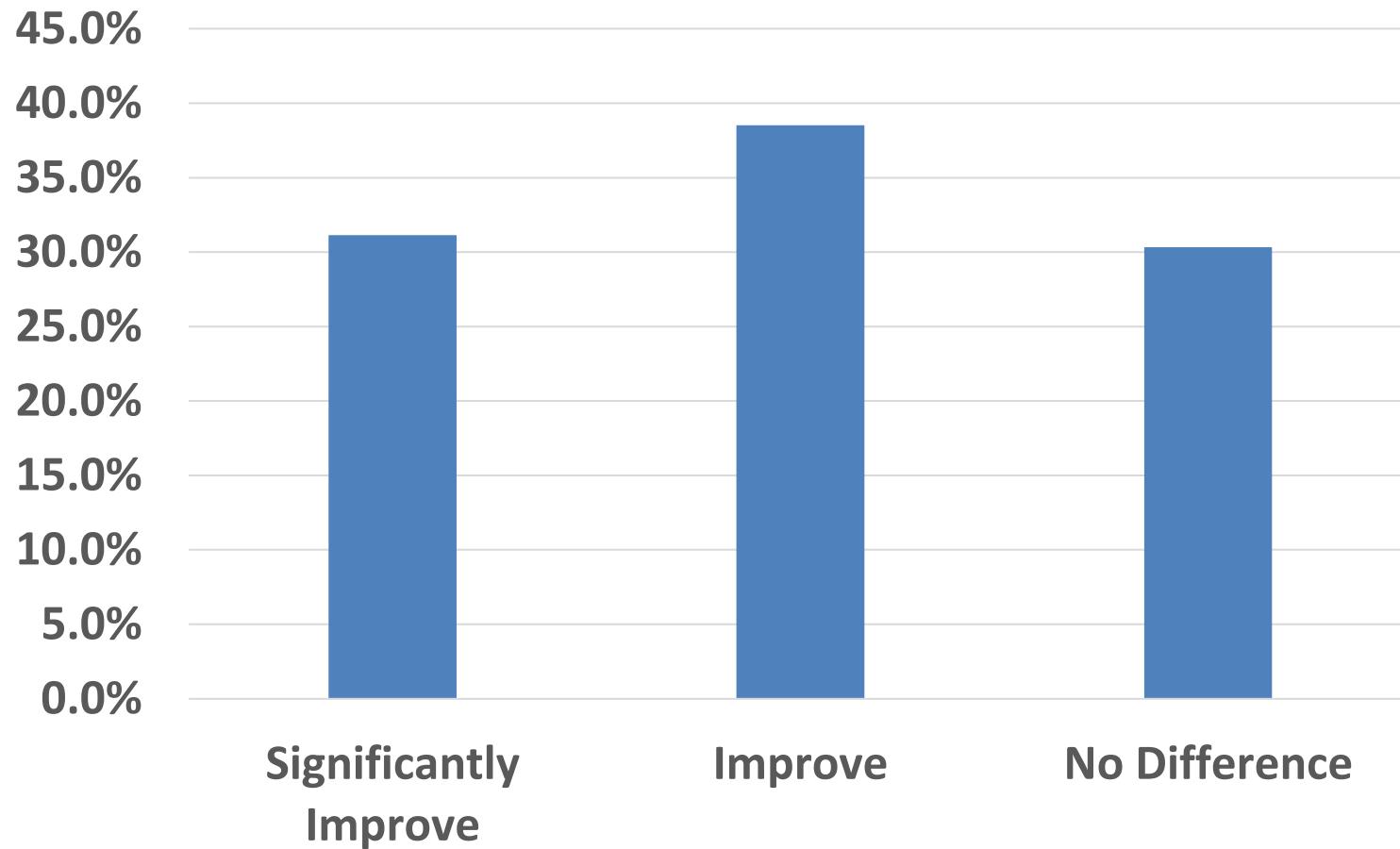
Patient Survey – Would Receive a Preventative Treatment



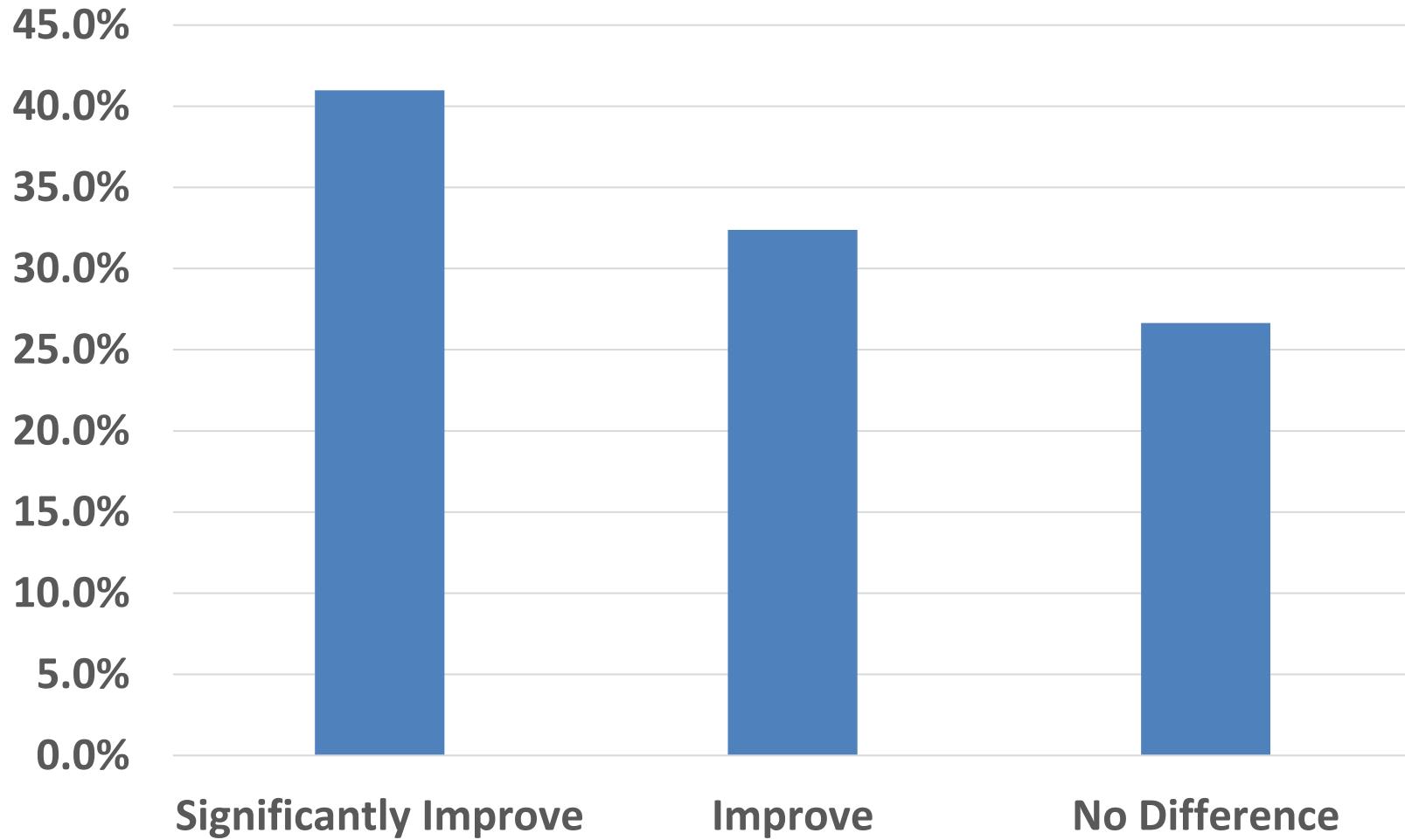
Patient Survey – Acceptable Level of Effectiveness for Preventative Treatment



Patient Survey – Impact on Physical Health of Effective Preventative Treatment



Patient Survey – Impact on Mental Health of Effective Preventative Treatment



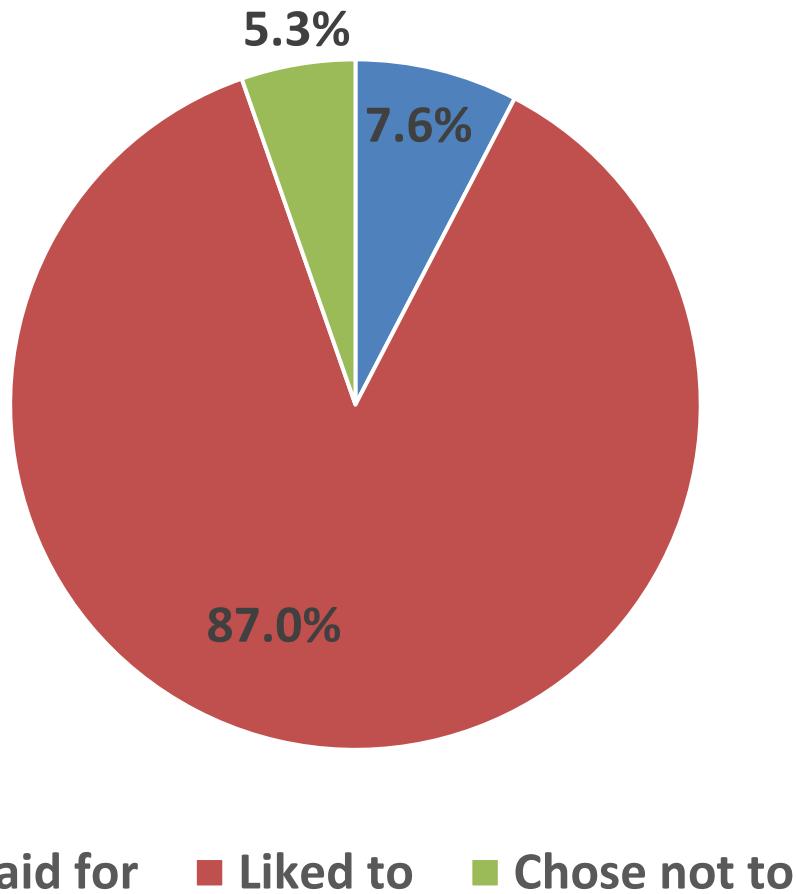
Benefit of Effective Prophylactic Treatment

- “Massively. I would have a reason to get out of bed and some kind of purpose in my life again. Right now I'm existing.”
- “Not having to risk assess everything I do all the time”
- “I would be able to continue living a normal life without becoming very anxious every single time I have to go out and mix with the general public”
- “I would be less fearful of catching it and would be able to visit theatres and use public transport. It would reduce levels of worry.”
- “I would be able to live normally without the threat of covid every time I step outside my home.”
- “I don't go to busy places anymore. If there was a preemptive treatment for covid that would open more things up again for me to enjoy”
- “Being a part of society again.”

Wider Benefits of Effective Prophylactic Treatment

- “It would reduce the stress and worry for both myself and my family”
- “I have lost friends through isolation. My wife is still careful where she goes and who she meets. My children still buy and test before they visit - they don't want to be responsible for me getting COVID. COVID-19 does not just effect the recipients of transplants, instead it is a disease that effects all those around a transplant patient, treat the patient and you treat their family and social network”
- “Opening up socially and economically in so much as it may be possible to return to some form of work.”
- “It would reduce the stress about the possibility of catching Covid, which would not only be personally harmful but would also put my donor's heart at risk -- and like many transplant patients I feel duty bound to protect it as best I can.”

Patient Survey – Evusheld



Key Messages from patient survey

- COVID-19 has and continues to have a significant impact on health and wellbeing
- Large number of people making lifestyle adjustments
- Many people reporting high levels of anxiety, depression and reduced quality of life
- Strong support for an effective prophylactic COVID-19 treatment