Online treatment may be as effective as in-person day care for eating disorders.

Professor Paul Robinson
Consultant psychiatrist Orri-UK, London
Professor, Division of Medicine UCL

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Day care in the time of Covid

- Plumley et al 2021: https://pubmed.ncbi.nlm.nih.gov/33750463/
 - Online therapy, 9 patients, positive outcomes of BMI, EDEQ and Dep/ Anx
- Catenacci and Couturier 2023. https://pubmed.ncbi.nlm.nih.gov/37563716/
 - qualitative study 12 patients, both online and in person
- Couturier et al 2021. https://pubmed.ncbi.nlm.nih.gov/33863388/
 - Scoping review recommending some online treatment for adolescents
- Van Huysse et al 2022 https://pubmed.ncbi.nlm.nih.gov/36444727/
 - Virtual vs in person OP care: no difference in outcome

Orri



I can shelter in an Orri But I can also run away if I want to



Orri at home – intensive treatment online

Orri Online has been a godsend during these uncertain times. With feelings of both physical and emotional isolation so strong, it is for many the perfect environment for an eating disorder to take control. Client

Who is it for?

Orri online is available to anyone 16+ across the UK and internationally. Typically BMIs >13.5 or <13 if not losing weight.



How does it work?

Clients book sessions which are either morning (9.30-1.30) or afternoon (1.30-5.30). Clients can choose to book 2 sessions in a day and do a full day.



What does treatment look like?



Group Therapy



Group work is an important part of the day the themes of which are set across the week to ensure clients cover a wide variety of different therapies. Groups are ED focused and include body image, emotional processing, creative arts alongside body work.



Supported Mealtimes

A therapeutic lunch and snack supported by our expert team who deliver at the table support and post meal / snack processing.

What's included



Group Therapy exploring different themes across the week



1:1 weekly therapy, bi-weekly dietetics and OT



1x snack and 1 x lunch per session, meal planning



Online physical monitoring



Care plans, treatment reviews & MDT reviews



Access to Orri's online recovery community



Individual therapy and support



Clients engage in individual sessions spread across their week. Each client is assigned a dedicated therapist dietician and OT and use this one to one time to explore personal issues deeply and work through barriers to recovery.

Integrated family therapy and



Psychiatric oversight and physical health monitoring

Each client undergoes a full Therapeutic, Trauma, Dietetic and OT Assessment. Physical observations are monitored according to each clients individual needs throughout treatment. Frequency is constantly reviewed.



A thriving community



Orri is committed to providing Recovery For All and has built a thriving social engagement programme – Nurturing Hope. It includes outreach to Schools, Uni's, GPs & Healthcare professionals, our Instagram community (via Lives and updates), regular Webinars, CPD events and open days plus free 'all welcome' Nurturing Hope groups and events.

carer support

Clients can be offered family therapy alongside carer support groups and practical sessions delivered through webinars and drop in sessions that ensure families are included in recovery and supported through out their loved ones recovery.



Case management and tailored treatment

All clients are allocated a case manager and receive individualised treatment plans, care plans and have regular multi disciplinary team reviews.

Example timetable – 5 days

Time	Monday	Tuesday	Wednesday	Thursday	Friday	
09:30	Checkin	Check in	Checkin	Checkin	Check in	
10:00	Break/Snack Prep					
10:15	Snack	Snack	Snack	Snack	1:1 Dietetics	
10:45	Break	Break	Break	Break	Break	
11:00	Group	1:1 Therapy	Group	Group	Group	
	Motivation		Core values & Beliefs	Body Image	Weekend Planning	
12:15	Lunch prep					
12:30	Lunch	Lunch	Lunch	Lunch	Lunch	
13:15	Processing	Processing	Processing	Processing	Processing	
13:30	Lunch (afternoon group) Therapeutic group if full day					
	Processing	Processing	Processing	Processing	Processing	
14:30	Break	Break	Break	Break	Break	
	Group Identity	Group Comparison	1:1 OT	Group Body & Mind	Group Identity	
	Break/Snack prep					
	Snack	Snack	Snack	Snack	Snack	
16:45	Check out					
17:30	Day ends					

Morning Sessions: 9.30 to 13.30 includes lunch

> Afternoon Sessions: 13.30 to 17.30 includes lunch

Key

1:1 Therapy
Group Therapy
Check in/out/processing
Food processing
Break
6

Example online timetable – 5 days

	MORNING ((M)							AFTERNOON	(004)						
									AFTERNOON	Afternoon	Full Day		_			
		Break	Snack	Break	Group	Lunch Prep		Break/Ends		Lunch		Break		Break		Ends
Change	09:30	10:00	10:15	10:45	11:00	12:15	12:30	13:30		13.3	14:00	14:30	14:45	16:00	16:20	17:30
Monday	Check in	Snack Prep	Snack Unda	Break	Parts Justine	Lunch Prep	Lunch	Break			Motivation Max	Break	Anxiety	Break	Check out & snack	
	Check in		Snack		Change	Lunch Prep	tunch			tunch	Motivation		Parts		Check out & Snack	
	Jas	Snack Prep	Joanna	Break	Linda	Offline	Liz			Zuza	Linda		Justine		Rhawann	
Tuesday	check in Jas	Snack Prep	Snack Paula	Break	Body Image Piape	Lunch Prep Offline		Break		NA.	Breathe Pippa	Break	Body Awaren	Break	Check out & snack Pippa	
Wednesday	Check in Viktoriya	Snack Prep	Snack Viktoriya	Break	Identity Romy	Lunch Prep Offline		Break		NA.	Journal Victoria	Break	Change Joanna	Break	Check out & snack Victoria	
Thursday	Check in		Snack		Body Image	Lunch Prep	Lunch / Checkout			NA.	routine setting		Relationship		Check out & snack	
	Victoria	Snack Prep	Linda	Break	Piope	Offline	Victoria	Break		Pippa	Linda	Break	Anandi	Break	Pippa	
Friday - 2	Check in		Snack		Journalling		Lunch / Checkout			NA.	Review		Freedom		Check out & snack	
	Viktoriya	Snack Prep	Paula	Break	Victoria	Lunch Prep	Vilktoriya	Break		Lunch Liz	Max	Break	Paula	Break	Kendra	
Streams	Check in		Snack		Freedom		Lunch / Checkout			NA.	Compassion		Choice		Check out & snack	
	Paula	Snack Prep	Viktoriya	Break	Paula	Lunch Prep	Anandi	Break		Lunch Zuza	Kendra	Break	Anandi	Break	Paula	

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Integrated family therapy and carer support



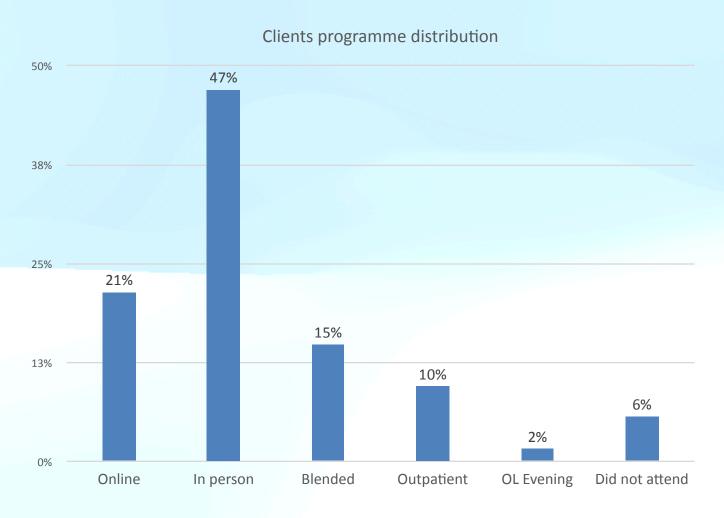
Clients can be offered family therapy alongside carer support groups and practical sessions delivered through webinars and drop in sessions that ensure families are included in recovery and supported through out their loved ones recovery.



Case management and tailored treatment

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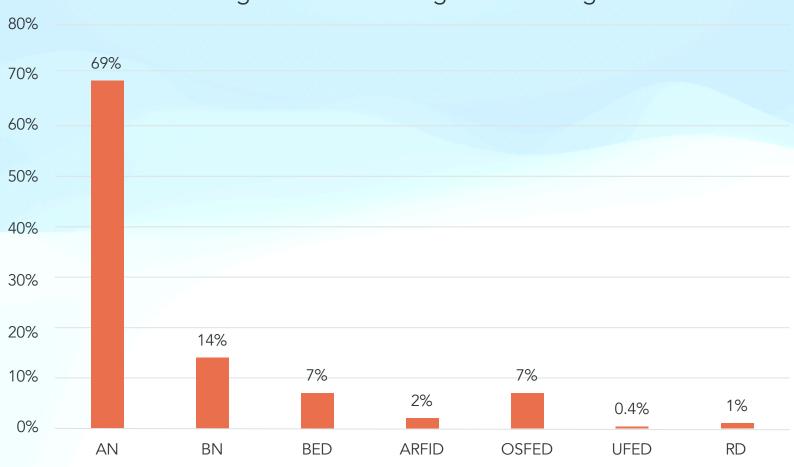
Programme distribution:



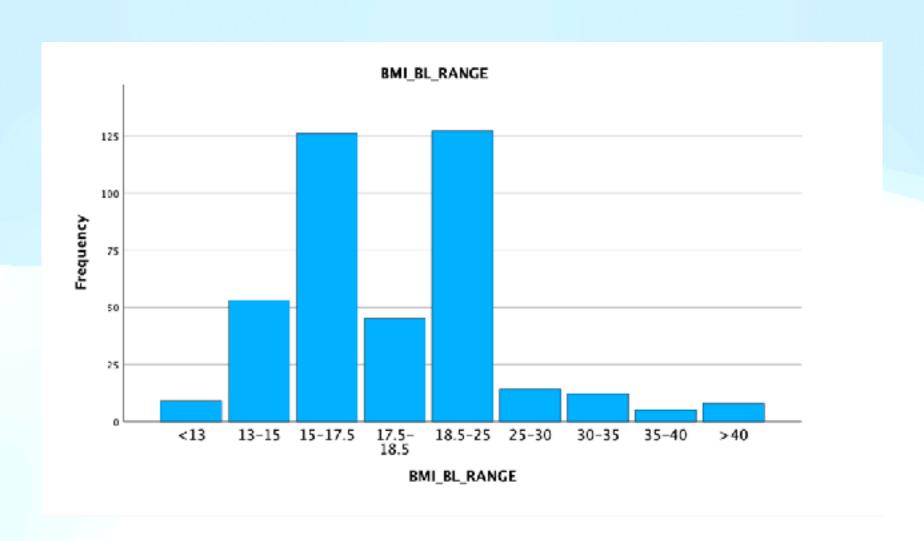
 Online treatment remains substantial, with 21.4% of the total. The outpatient numbers of clients are growing. (Dec 2023:10%, 1.5% in June 2023).

Diagnosis split across 457 clients

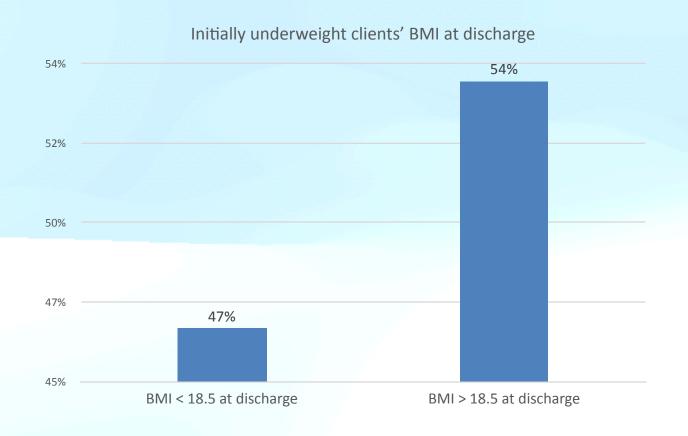
Percentage of clients among different diagnoses



Range of BMI levels on admission



Initially underweight clients with BMI > 18.5 at discharge:



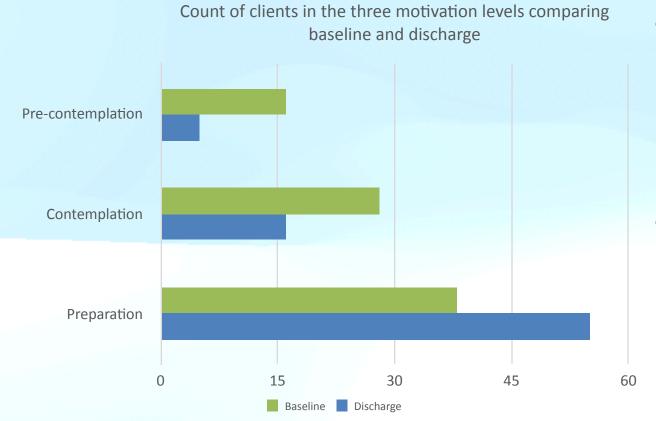
This shows that of clients who were initially underweight, 54% had increased to above the lower limit of the normal BMI by discharge time. One client increased to the obese range (38.3). No significant change from June 2023

Clients initially underweight who were admitted to inpatient:



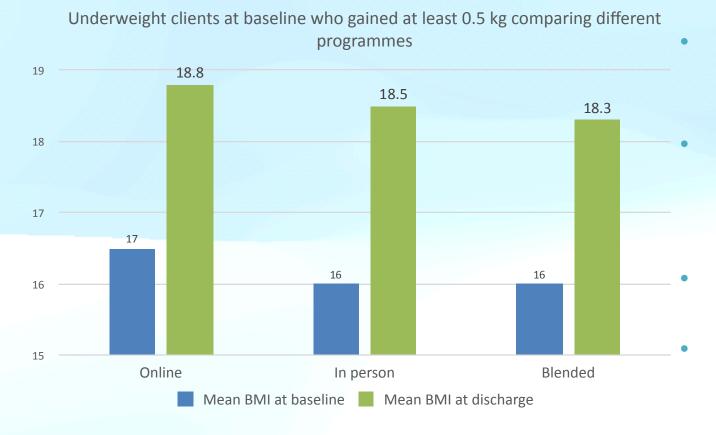
9% of clients were discharged to an inpatient service (7.3% in June 2023).
 The rest (91%) completed treatment at Orri and were discharged to their GP or to outpatient services.

Motivation to change (Eating Disorder Stage of Change -Questionnaire):



- This shows three levels of motivation, the lowest is pre-contemplation (I don't have a problem), the next is Contemplation (I should do something about this), and the best is Preparation (I am going to do something about this).
- The data show that from Baseline (grey) to Discharge (orange), motivation improves, and the change is significant (P<.01). The numbers are rather small (83 at baseline, 14 at follow-up) and increased numbers will be more persuasive.

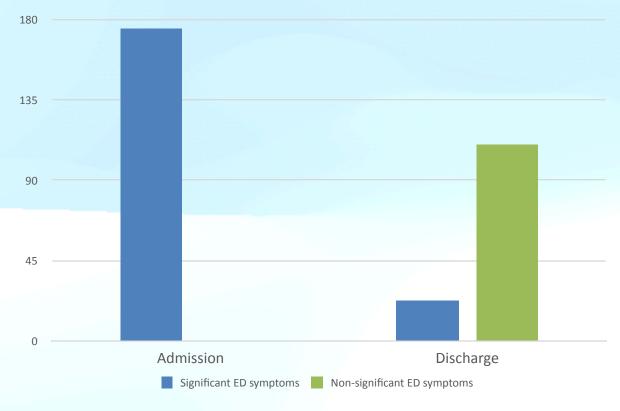
Underweight clients at baseline who gained at least 0.5 kg: comparison of different programmes:



- This analysis includes only the clients who gained at least .5kg, the "underweight responders"
- It shows that the programmes were effective in increasing BMI, and there was no significant difference between them (p < 0.05).
- These results show that Orri is effective in producing weight gain.
- The effect size (size of change) was "Very Large".

Eating Disorder Symptoms score changes during treatment for all clients. Restriction, shape, weight and eating concerns, according to the EDE-Q.

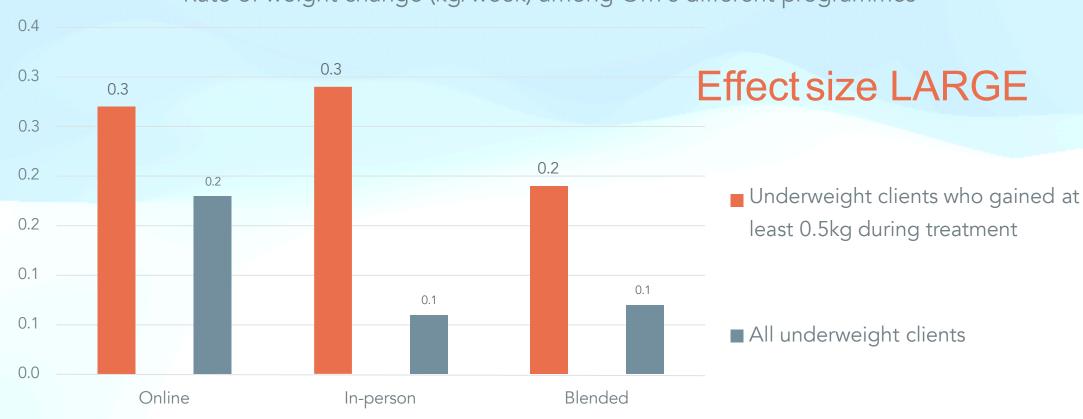




This shows that while, on admission, all Orriclients scored above the normal range for EDEQ-Global score, by the time of discharge, 83% of clients had reduced their scores to within the normal range (defined as the mean plus 2 standard deviations).

Outcomes: Weight gain – Improvement but no significant difference between programmes





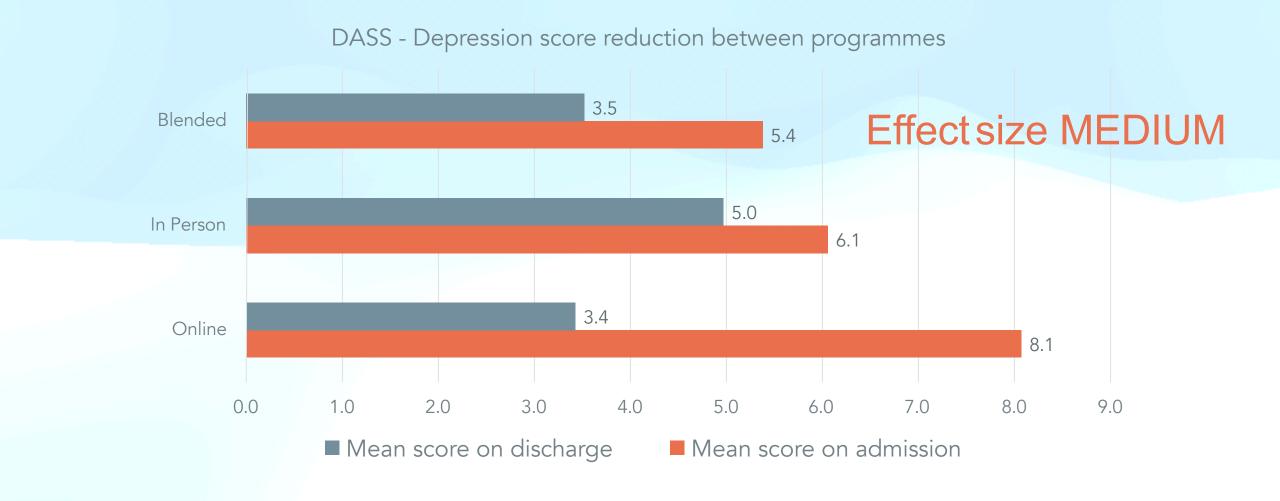
Statistics

All outcome measures are calculated using:

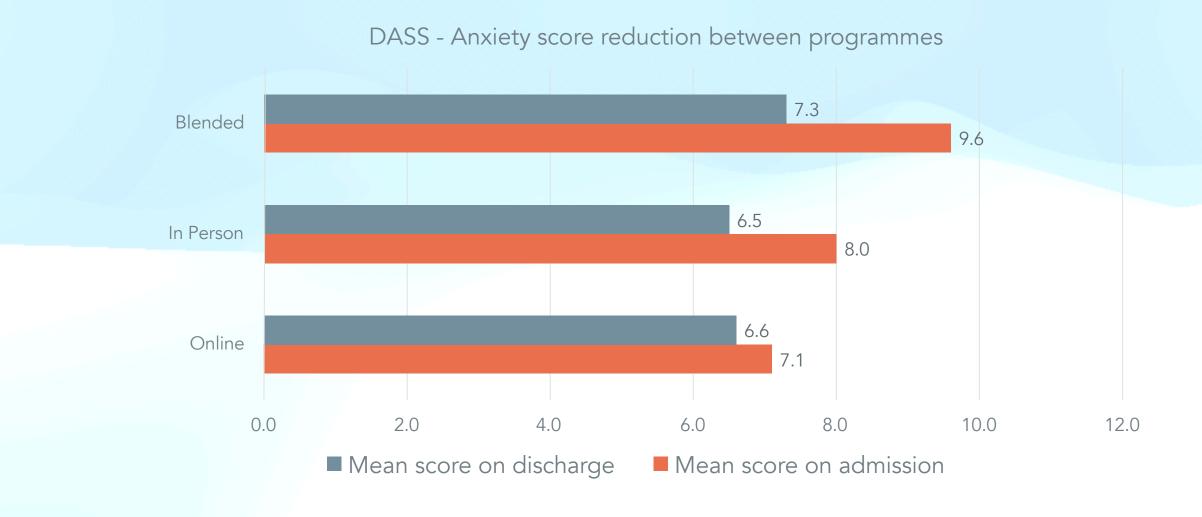
 REPEATED MEASURES ANALYSIS of VARIANCE (SPSS 27)

- T1=Initial assessment
- T2=Pre-discharge

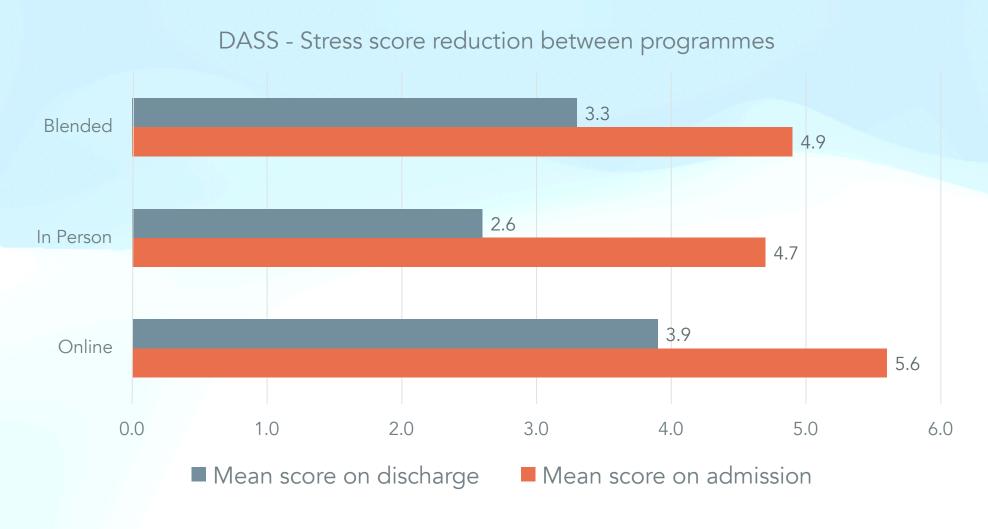
DASS Depression score – Improvement across all programmes but no significant difference between programmes



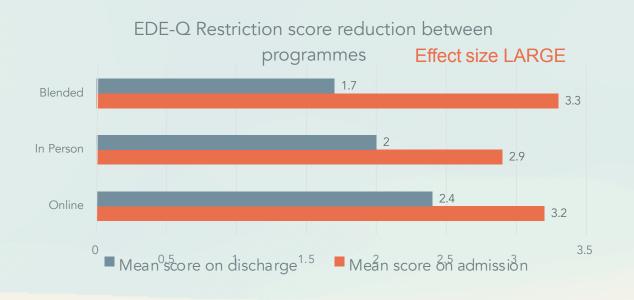
DASS Anxiety score – Improvement across all programmes but no significant difference between programmes

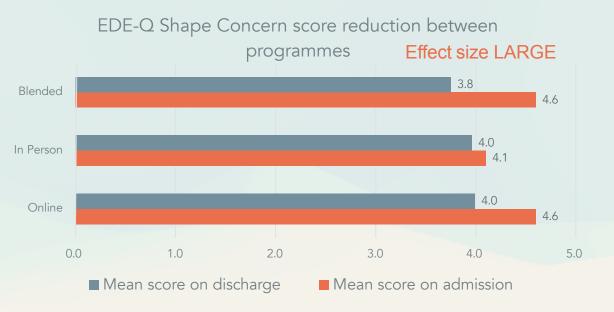


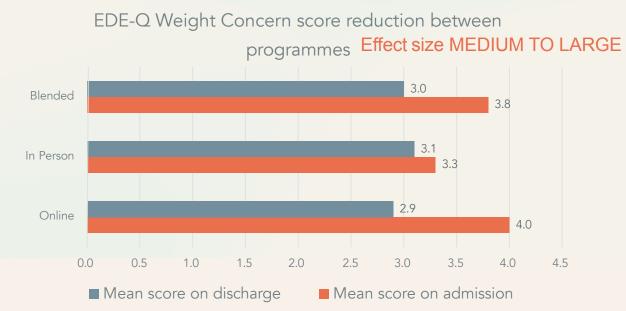
DASS Stress score – Improvement across all programmes but no significant difference between programmes

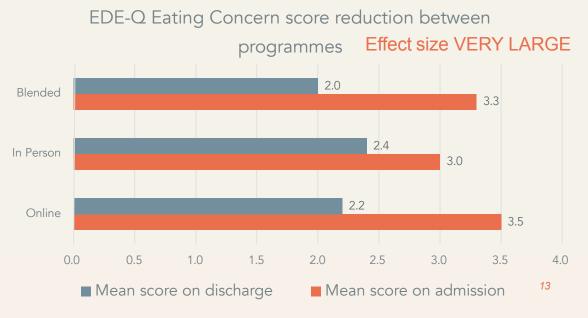


EDE-Q scores by subscale

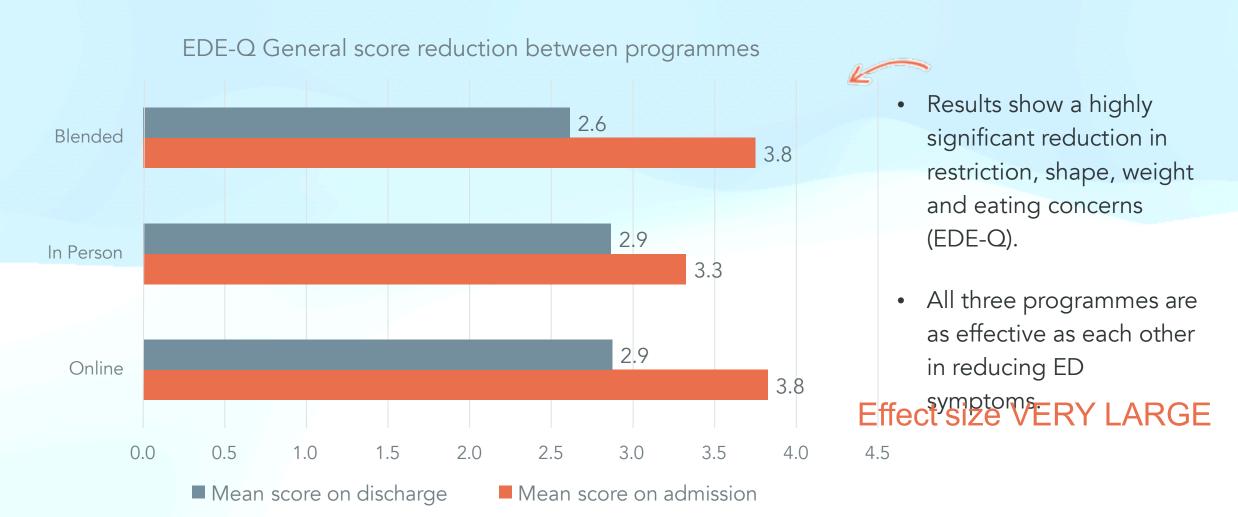






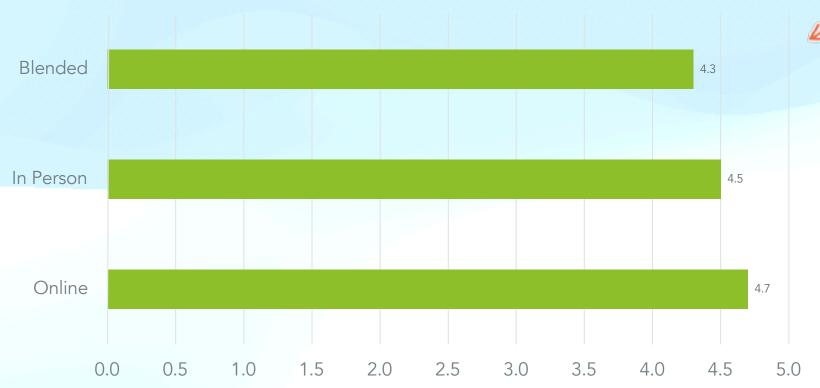


EDE-Q Global Score – Highly significant improvement, but no significant difference between programmes



Client satisfaction: no difference between programmes







The vast majority of clients were either satisfied or very satisfied with all aspects of treatment.

Score legend:

- 5 = Very satisfied
- 4 = Satisfied
- 3 = Neither satisfied not dissatisfied
- 2 = Not very satisfied
- 1= Not at all satisfied

Outcomes Summary

- Orri has similar improvements in weight gain across in person and online
- •Depression, anxiety and stress significantly improve but there is no significant difference between programmes
- Eating Disorder symptoms improve to a similar extent in all programmes
- •Satisfaction across both programmes is equally high. 90% of Orri clients are satisfied with the service and would recommend us to a friend

General summary

- Ours is the largest (as far as I know) study of day care online
- It looks as though the impact was statistically indistinguishable between in person and online for both AN and other EDs
- Overall, about 2/3 of underweight patients gain weight on the programmes and 83% reduce EDEQ scores to normal.
- The key features of the service are:
 - A large number of highly motivated staff
 - Highly intense day programme both online and in person
 - Close attention to medical monitoring and safety