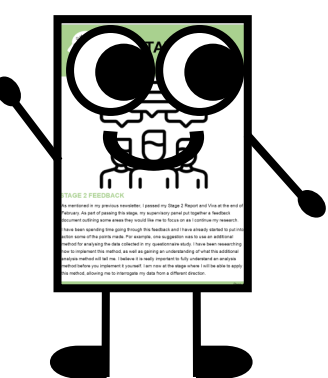
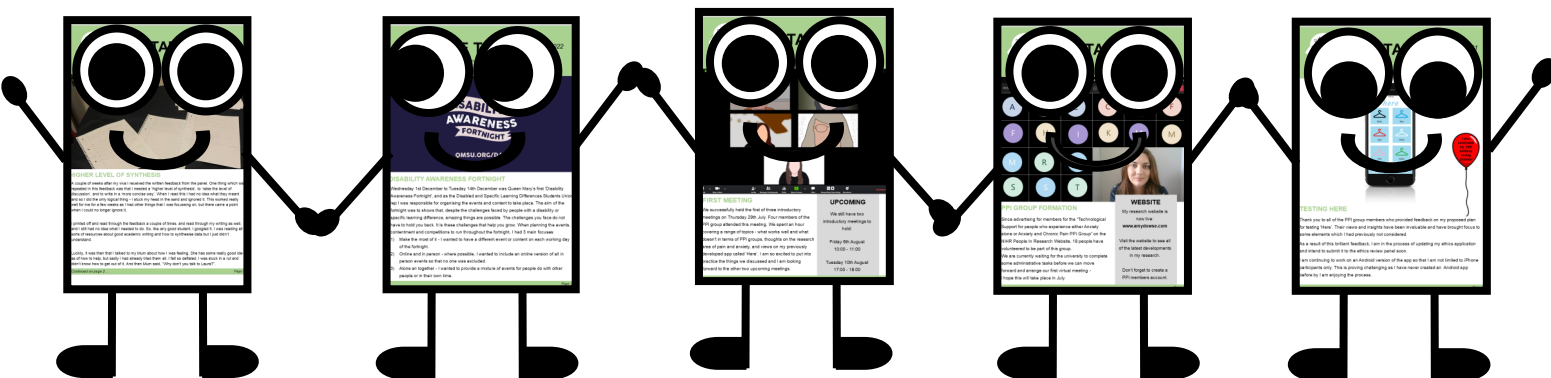




# THE TAP

July 2022  
Issue 12

Technology, Anxiety, Pain



# THE TAP IS 1!



This newsletter marks 1 year of The Tap!

Anniversaries are always a great opportunity to look back and appreciate just how far you have come. The past year has had some really amazing highs, and some heart-breaking lows (both professionally and personally) but when I look back over the previous year I am really proud of all that I have done. I have made some fantastic progress with my research, and I feel confident in my plans going forward. I am excited to see what the next year has in store for me.

# PROGRESS

I have written in previous newsletter how I was struggling with the statistical analysis of my questionnaire study write up. This has been very stressful for me as it has massively held me back from finishing my chapter and has therefore had a knock on effect on subsequent projects. For example, I want to submit a journal paper on this study but haven't felt able to as I hadn't finished my analysis, therefore I didn't have a conclusion.

I am very happy to say that I have found someone who has helped me immensely with my statistical analysis!

Although I had a very basic knowledge on the techniques I was using, I lacked the in-depth knowledge of what different results meant. I could run the analysis but then didn't know how to interpret my results.

I was able to have some really interesting discussions about different types of analysis, the justification for using one over another, how to interpret results, how to deal with 'odd' results, and how to explain my findings.

This enabled me to make huge progress on my questionnaire chapter. I felt confident in what I was saying and the conclusions I was drawing which I think really helped in the process of writing my results and discussion.

Once I had this level of understanding I really enjoyed the process of analysing my data. Although a lot of the steps were very repetitive, it was really interesting to see the results emerge and identify areas which were statistically significant.

I have finished the first complete draft of my chapter and have sent it to my supervisor for their comments and guidance. Usually I get nervous about the prospect of getting constructive feedback, but this time I am quite looking forward to it. I in no way believe my chapter is perfect but I really feel as though I am moving in the right direction and it won't be long until I am happy with what I have got.

Once I have written a strong chapter I will begin to work on adapting it for journal paper submissions and hopefully have my first published paper in the near future.

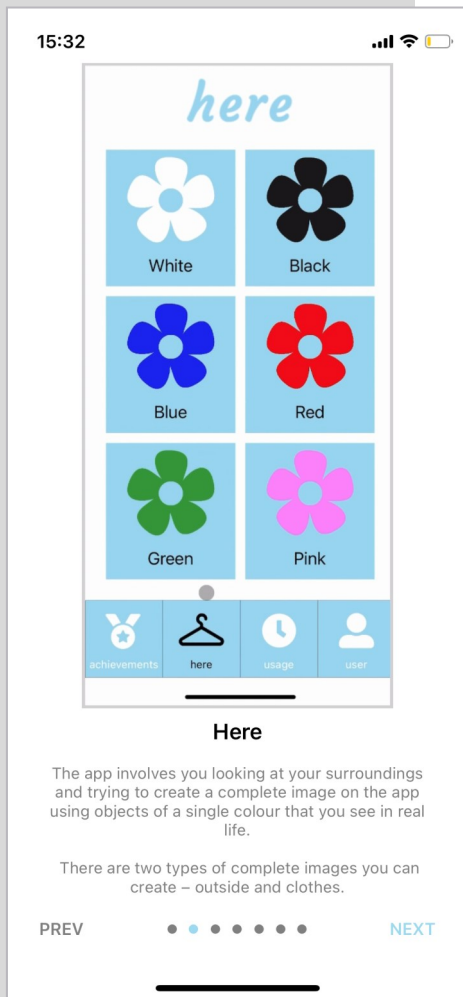
```
> pairs(em.wl,inf=T) #ODDS RATIO
contrast odds.ratio SE df lower.LCI upper.LCI null g.variance p.value
Female / Male 1.73 0.786 Inf 0.713 2.22 1 1.215 0.2245

Results are averaged over the levels of: gender, Anxiety_Type, Anxiety_Years, Pain
Confidence level used: 0.95
Intervals are back-transformed from the log odds ratio scale
Tests are performed on the log odds ratio scale
> # REPEAT FOR anxiety type & pain

> # ORDERED PREDICTORS
> em.wl <- glm(wl~age.group,type="response") #
> em.wl #PROPORTIONS AGREE
contrast SE df lower.LCI upper.LCI null g.variance p.value
18-24 / (25-34) 0.718 0.0893 Inf 0.537 0.898
25-34 / (45-54) 0.725 0.0772 Inf 0.552 0.849
35-44 / (55+) 0.714 0.0920 Inf 0.508 0.858
45-54 / (55+) 0.552 0.1131 Inf 0.335 0.751
55+ / (55+) 0.671 0.1042 Inf 0.447 0.837

Results are averaged over the levels of: gender, Anxiety_Type, Anxiety_Years, Pain
Confidence level used: 0.95
Intervals are back-transformed from the logit scale
>
> pairs(em.wl,inf=T) #ODDS RATIO, ALL COMPARED PAIRWISE
contrast odds.ratio SE df lower.LCI upper.LCI null g.variance p.value
(18-24) / (25-34) 0.946 0.512 Inf 0.227 4.10 1 -0.065 1.0000
(18-24) / (35-44) 1.015 0.602 Inf 0.201 5.12 1 0.025 1.0000
(18-24) / (45-54) 2.062 1.227 Inf 0.407 10.46 1 1.216 0.7421
(18-24) / (55+) 1.245 0.896 Inf 0.213 7.28 1 0.339 0.9972
(25-34) / (35-44) 1.051 0.555 Inf 0.249 4.44 1 0.094 1.0000
(25-34) / (45-54) 2.135 1.097 Inf 0.525 8.67 1 1.475 0.5786
(25-34) / (55+) 1.289 0.759 Inf 0.259 6.42 1 0.432 0.9928
(35-44) / (45-54) 2.031 1.142 Inf 0.438 9.41 1 1.261 0.7154
(35-44) / (55+) 1.227 0.764 Inf 0.223 6.70 1 0.328 0.9975
(45-54) / (55+) 0.604 0.366 Inf 0.116 3.15 1 -0.832 0.9206
```

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1	This sheet shows the anova for 5 of the predictors. For the ones that showed significance emmans was calculated.																
2																	
3	p-value	W1	W2	W3	W4	W5	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11
4	age.group	0.6536	0.326	0.40244	0.15568	0.54836	0.7516	0.82217	0.1776	0.2978	0.6075	0.4705	0.3181	0.00597	0.14083	0.2638	0.17232
5	gender	0.1831	0.24455	0.37644	0.02534	0.23559	0.2592	0.08823	0.3547	0.8186	0.2752	0.816	0.5483	0.81142	0.00849	0.5138	0.35604
6	Anxiety_Type	0.2208	0.35205	0.42894	0.23965	0.66647	0.8082	0.48653	0.5786	0.9541	0.1566	0.9712	0.8545	0.82081	0.85368	0.6164	0.93439
7	Anxiety_Years	0.6453	0.05452	0.06015	0.0344	0.06552	0.0222	0.43441	0.7271	0.7372	0.6731	0.8935	0.3927	0.27153	0.24316	0.1298	0.67435
8	Pain	0.7441	0.75981	0.73686	0.40692	0.17281	0.6157	0.12191	0.6239	0.4536	0.5352	0.9813	0.3417	0.74557	0.47967	0.6204	0.04665
9																	
10																	
11	Resid.Dev	204.69	217.18	234.41	229.22	159.95	194.09	116.84	237.91	159.62	222.87	221.69	231.73	230.71	233.45	240.63	159.92
12	Resid.Df	171	171	171	171	171	171	171	171	171	171	171	171	171	171	171	171
13		1.19702	1.27006	1.37082	1.34047	0.93538	1.13503	0.68327	1.39129	0.93345	1.30333	1.29643	1.35515	1.34918	1.3652	1.40719	0.9352
14																	
15																	
16																	
17																	
18																	
19	M8, Age	(18-24) / (25-34)	0.516	0.139	1.92	0.6455											
20		(18-24) / (35-44)	1.452	0.358	5.89	0.9503											
21		(18-24) / (45-54)	1.492	0.337	6.61	0.9486											
22		(18-24) / (55+)	3.215	0.607	17.04	0.3118											
23		(25-34) / (35-44)	2.813	0.79	10.02	0.1714											
24		(25-34) / (45-54)	2.891	0.772	10.83	0.1824											
25		(25-34) / (55+)	6.228	1.314	29.53	0.0118											
26		(33-44) / (45-54)	1.028	0.26	4.06	1											
27		(35-44) / (55+)	2.214	0.455	10.77	0.6471											
28		(45-54) / (55+)	2.154	0.432	10.74	0.6894											
29																	
30	M9, Gender	Female/Male	3.09	1.24	7.7	0.0157											
31																	



## TESTING 'HERE'

Thank you so much to everyone who volunteered to test 'Here'. I have had some really useful feedback which has helped me to improve the app.

The main thing to come from this phase of testing is that it can be unclear how to use the app. I had planned to put an explanation into the App Store description section, but I've since realised it would be useful to be part of the app.

Therefore, I have spent some time creating an introduction section with short videos which explain how to use the app. This is shown when the user first registers, and they can then revisit this section from the log in screen in future.

## STARTING MY NEXT STUDY

My next study involves the use of 'Here' in the real world and then interviewing users. I believe 'Here' is now ready to be submitted to the Apple app store and so I am beginning the process of supplying all of the necessary information.

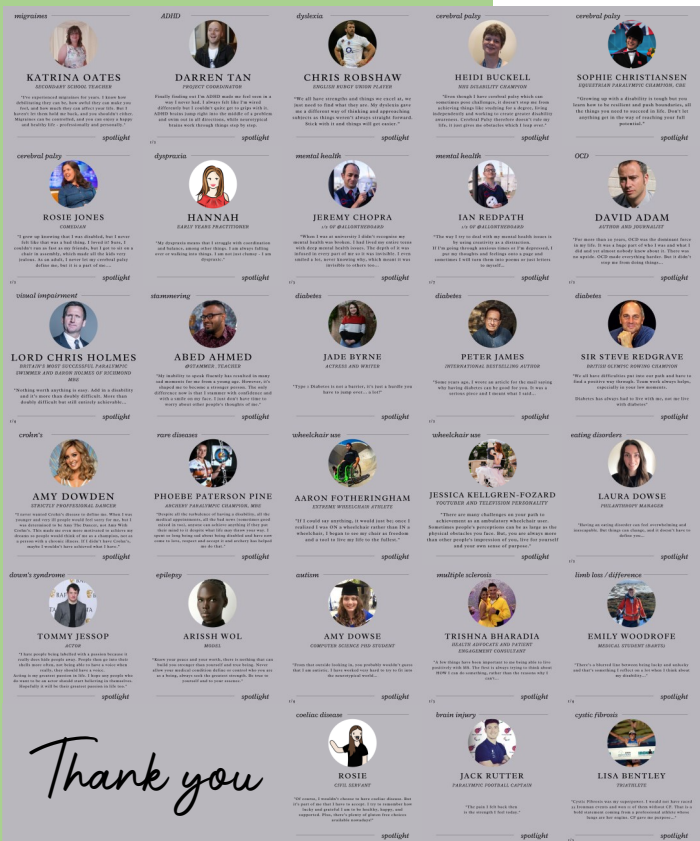
This means that I will be able to start recruitment for my study very soon. It is always nerve wracking when you launch a new study but I am learning to deal with these nerves and push on. I know that once I get started it won't seem as daunting as it does now.

As long as there are no major issues (fingers crossed), in the next newsletter I will be telling you all about the launch of my study.



# DISABLED AND SLD REP

June saw me post my final Disability Spotlight and quote. I have really enjoyed researching a huge range of disabilities, illnesses, and learning differences to create these posts. I have learnt a lot and I hope others have too. I also loved talking to the people who kindly provided quotes - everyone was so kind and generous with their time and were so supportive of what I was trying to do. You can look at all of my spotlights and quotes on Instagram: @disabled\_sld\_rep\_qmsu



## DOING WHAT I LOVE

June started with a fantastic weekend celebrating the Queen's Platinum Jubilee. The village where I live hosted a vintage car show, lit a beacon, and had a fireworks display. I loved having four days to spend time with my family out in the sunshine.

I also took a couple of mornings off from working to learn to ski! We live near to an indoor ski centre which has real snow so we took a few hours off to give it a go. It was such a fun experience, but also very tiring on the legs. We hope to continue to have lessons (we are still novices) as I would love to go on a skiing holiday and see the northern lights one day.

During June I also had a day in London with my Mum to attend The Autism Show and spent the afternoon at the Natural History Museum seeing 'Dippy' the dinosaur - Dippy is a firm favourite of ours and has just returned from his tour around the country.

June ended with us watching SIX at Hampton Court Palace. I adore the show so to see it in such amazing surroundings, which are so strongly connected to Henry VIII, was fantastic.

