



Optimising your Website to Make more Sales

With Farhan Hussain

Who am I?



Who am I?

- Web Development
- Web Design
- Search Engine Optimisation
- Paid Media
- Conversion Rate Optimisation



What to expect from today...

- 1. Quantitative/Qualitative Research
- 2. CRO Testing Process
- 3. Tests & Results



Tell me about you..

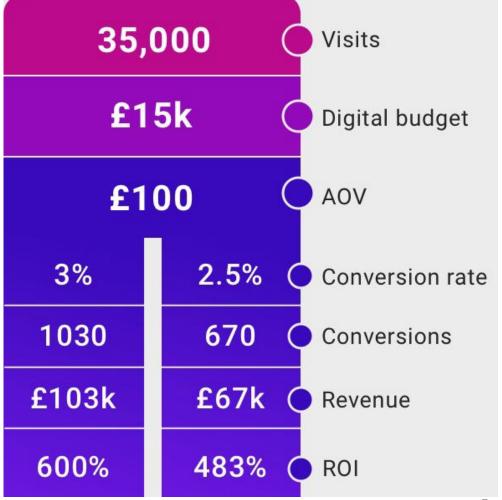
- 1. Your name
- 2. Your current job/project/startup
- 3. What you want to get from today



What's the benefit for your business?

In a nutshell, the benefits for your business will be huge. As CRO is relevantly young discipline, we see more organisations to apply it over time.

- By helping you understand your clients, it will get you more clients.
- Will lower your customer acquisition cost.
- Be your secret weapon to beat out the competition - because you will know what your ideal clients need.
- Improves your brand perception.

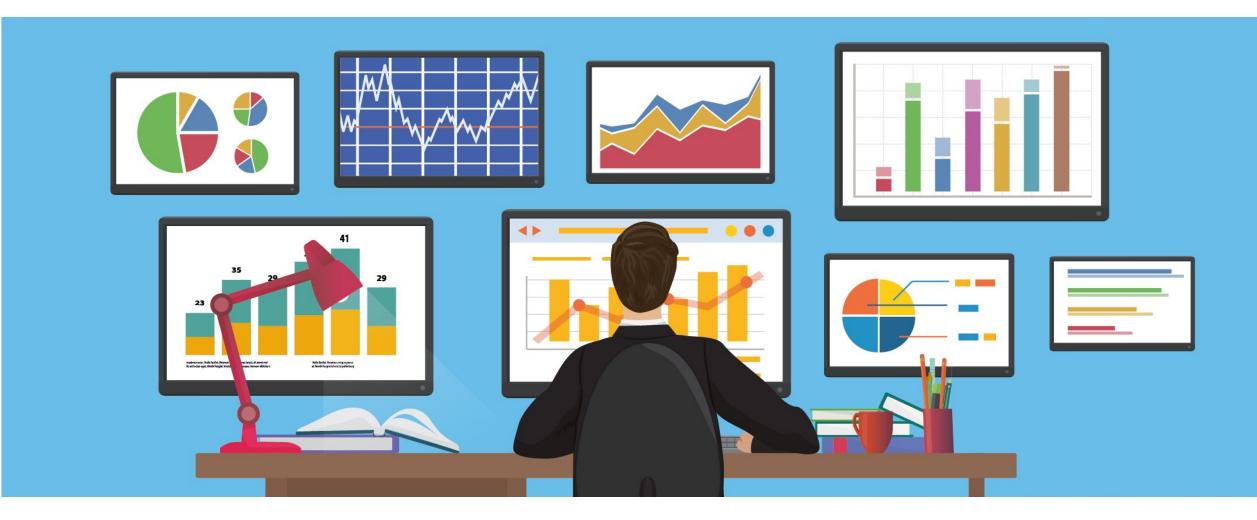




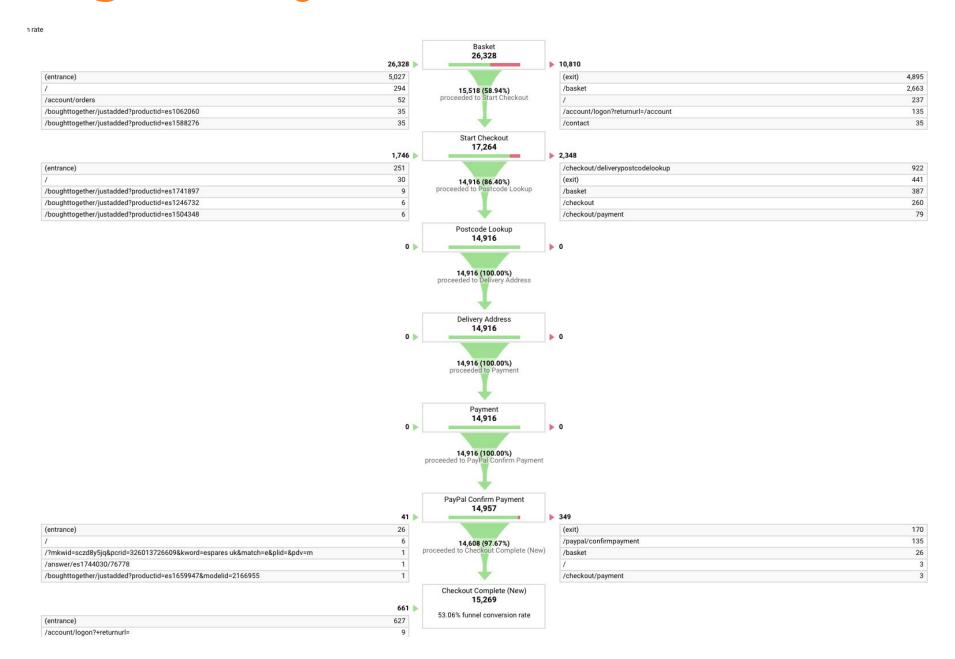


#1: Quant & Qual Research

Accurate Data



Google Analytics - Funnel Visualisation



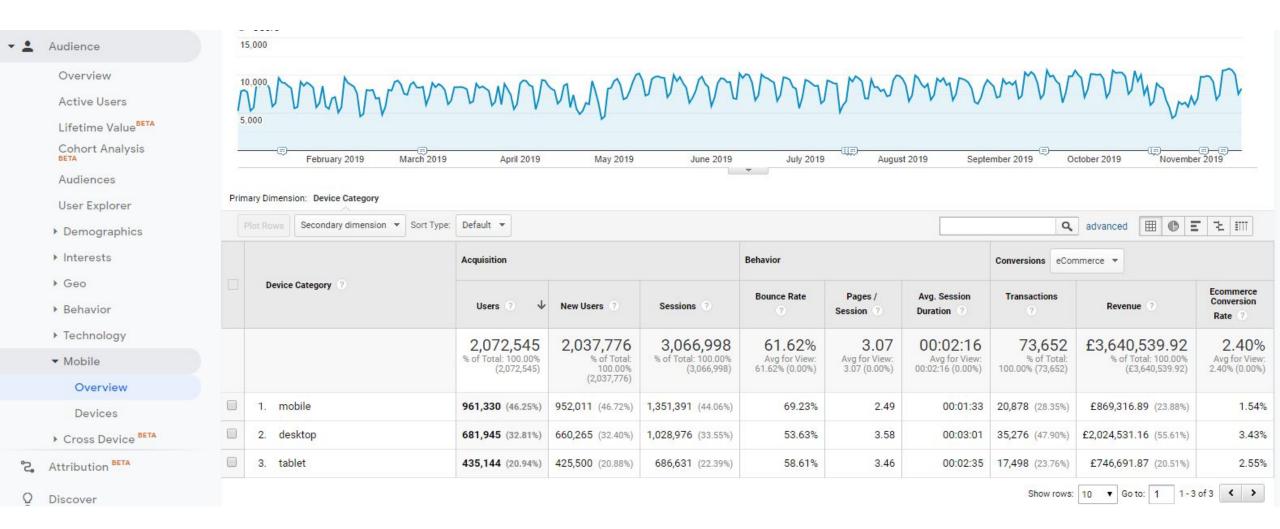
Google Analytics - Browser CR

Realtime		\/	\	(-,,-,					(,,,	/
	1. Chrome									
Audience	All Users	832,482 (40.58%)	823,037 (40.55%)	1,225,330 (39.84%)	62.18%	3.07	00:02:13	31,157 (42.31%)	£1,418,078.34 (40.87%)	2.54%
Overview	Desktop Traffic	345,625 (51.19%)	341,452 (51.61%)	511,399 (49.20%)	56.32%	3.47	00:02:49	19,180 (54.18%)	£944,903.53 (50.30%)	3.75%
Active Users	Tablet Traffic	97,077 (22.25%)	94,189 (22.17%)	157,886 (22.95%)	58.02%	3,53	00:02:37	3,747 (21.21%)	£172,556.68 (22.47%)	2.37%
Lifetime Value ^{BETA} Cohort Analysis	Mobile Traffic	395,103 (41.37%)	387,396 (41.07%)	556,045 (41.25%)	68.74%	2.57	00:01:33	8,230 (40.01%)	£300,618.13 (36.51%)	1.48%
Audiences	2. Safari			,						
User Explorer	All Users	782,228 (38.13%)	778,610 (38.36%)	1,140,567 (37.09%)	64.48%	2.88	00:01:59	25,304 (34.36%)	£1,107,108.50 (31.91%)	2.22%
► Demographics	Desktop Traffic	63,607 (9.42%)	62,412 (9.43%)	85,765 (8.25%)	56.73%	3.56	00:02:31	3,088 (8.72%)	£157,107.54 (8.36%)	3.60%
► Interests	Tablet Traffic	292,219 (66.99%)	285,642 (67.22%)	451,914 (65.69%)	59.01%	3.41	00:02:33	12,416 (70.28%)	£540,786.17 (70.42%)	2.75%
▶ Geo	Mobile Traffic	433,909 (45.44%)	430,557 (45.65%)	602,888 (44.72%)	69.68%	2.40	00:01:30	9,800 (47.64%)	£409,214.79 (49.70%)	1.63%
▶ Behavior	3. Internet Explorer			d la		- Ju				
▼ Technology	All Users	134,778 (6.57%)	129,959 (6.40%)	247,909 (8.06%)	47.29%	3.77	00:04:00	4,942 (6.71%)	£345,830.31 (9.97%)	1.99%
Browser & OS	Desktop Traffic	129,287 (19.15%)	124,138 (18.76%)	236,959 (22.80%)	47.35%	3.77	00:04:03	4,748 (13.41%)	£335,763.58 (17.87%)	2.00%
Network	Tablet Traffic	6,318 (1.45%)	5,582 (1.31%)	10,595 (1.54%)	45.55%	3.83	00:03:05	168 (0.95%)	£9,539.84 (1.24%)	1.59%
► Mobile	Mobile Traffic	278 (0.03%)	239 (0.03%)	355 (0.03%)	58.31%	2.89	00:02:33	26 (0.13%)	£526.89 (0.06%)	7.32%
2. Attribution BETA	4. Samsung Internet									
Q Discover	All Users	109,060 (5.32%)	109,112 (5.38%)	178,643 (5.81%)	66.38%	2.84	00:01:53	2,933 (3.98%)	£126,809.85 (3.65%)	1.64%
Admin Admin	Desktop Traffic	233 (0.03%)	213 (0.03%)	336 (0.03%)	63.39%	1.85	00:01:22	0 (0.00%)	£0.00 (0.00%)	0.00%
	Tablet Traffic	12 475 /2 060)	12 002 /2 020)	22 077 (2 470)	56 57%	2 60	00-02-42	607 (2 440)	E3U 33U U4 (3 CEW)	2 54%

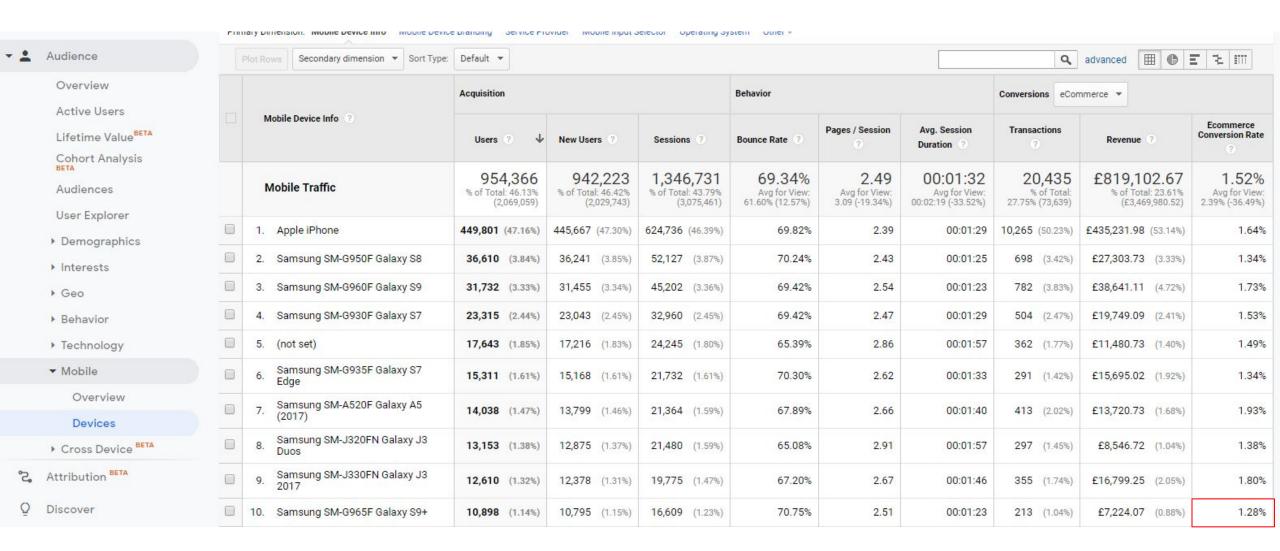
Google Analytics - Browser CR

Realtime			(-)1)	((-111				(, -,)	V1	,
		1. 11.0									
▼ ≜ Audience		All Users	132,052 (97.92%)	127,278 (97.94%)	244,084 (98.46%)	47.06%	3.79	00:04:02	4,942 (100.00%)	£345,830.31 (100.00%)	2.02%
Overvie		Desktop Traffic	126,638 (97.96%)	121,619 (97.97%)	233,380 (98.49%)	47.13%	3.79	00:04:05	4,748 (100.00%)	£335,763.58 (100.00%)	2.03%
Active U		Tablet Traffic	6,286 (99.51%)	5,549 (99.44%)	10,562 (99.71%)	45.45%	3.83	00:03:06	168 (100.00%)	£9,539.84 (100.00%)	1.59%
	Value ^{BETA}	Mobile Traffic	129 (46.57%)	110 (46.03%)	142 (40.00%)	45.77%	3.92	00:05:10	26 (100.00%)	£526.89 (100.00%)	18.31%
Cohort A	Analysis		127 (40.07 0)	110 (40.65.0)	142 (40.00%)	45.77-0	0.92	00.00.10	20 (100.00%)	2020.09 (100.00%)	10.01%
Audienc	es	2. 8.0			To Foot						
User Exp	olorer	All Users	1,079 (0.80%)	1,072 (0.82%)	1,163 (0.47%)	76.70%	1.68	00:01:06	0 (0.00%)	£0.00 (0.00%)	0.00%
▶ Demog	raphics	Desktop Traffic	1,047 (0.81%)	1,047 (0.84%)	1,131 (0.48%)	75.95%	1.70	00:01:08	0 (0.00%)	£0.00 (0.00%)	0.00%
▶ Interest	ts	Tablet Traffic	0 (0.00%)	0 (0.00%)	0 (0.00%)	0.00%	0.00	00:00:00	0 (0.00%)	£0.00 (0.00%)	0.00%
▶ Geo		Mobile Traffic	32 (11.55%)	26 (10.88%)	32 (9.01%)	100.00%	1.00	00:00:00	0 (0.00%)	£0.00 (0.00%)	0.00%
▶ Behavio	or	3. 9.0									
▼ Techno		All Users	691 (0.51%)	652 (0.50%)	1,008 (0.41%)	57.64%	3.13	00:02:17	0 (0.00%)	£0.00 (0.00%)	0.00%
	ser & OS	Desktop Traffic	665 (0.51%)	627 (0.51%)	982 (0.41%)	57.23%	3.18	00:02:20	0 (0.00%)	£0.00 (0.00%)	0.00%
Netw		Tablet Traffic	6 (0.09%)	6 (0.11%)	6 (0.06%)	100.00%	1.00	00:00:00	0 (0.00%)	£0.00 (0.00%)	0.00%
▶ Mobile		Mobile Traffic	19 (6.86%)	19 (7.95%)	19 (5.35%)	68.42%	1.37	00:00:16	0 (0.00%)	£0.00 (0.00%)	0.00%
2 Attribution	n BETA	4. 10.0									
Q Discover		All Users	523 (0.39%)	504 (0.39%)	756 (0.30%)	56.35%	2.11	00:01:18	0 (0.00%)	£0.00 (0.00%)	0.00%
Admin		Desktop Traffic	478 (0.37%)	452 (0.36%)	659 (0.28%)	55.84%	2.18	00:01:23	0 (0.00%)	£0.00 (0.00%)	0.00%
	<	Tablet Traffic	19 (0.30%)	19 (0.34%)	19 (0.18%)	68.42%	1.37	00:00:37	0 (0.00%)	£0.00 (0.00%)	0.00%

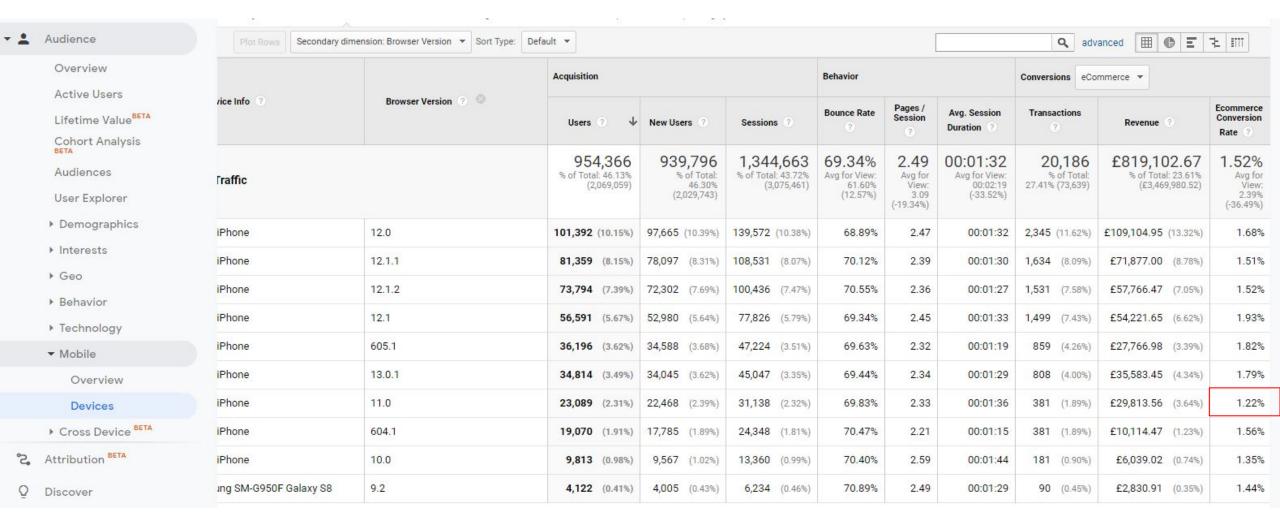
Google Analytics - Mobile



Google Analytics - Mobile



Google Analytics - Mobile

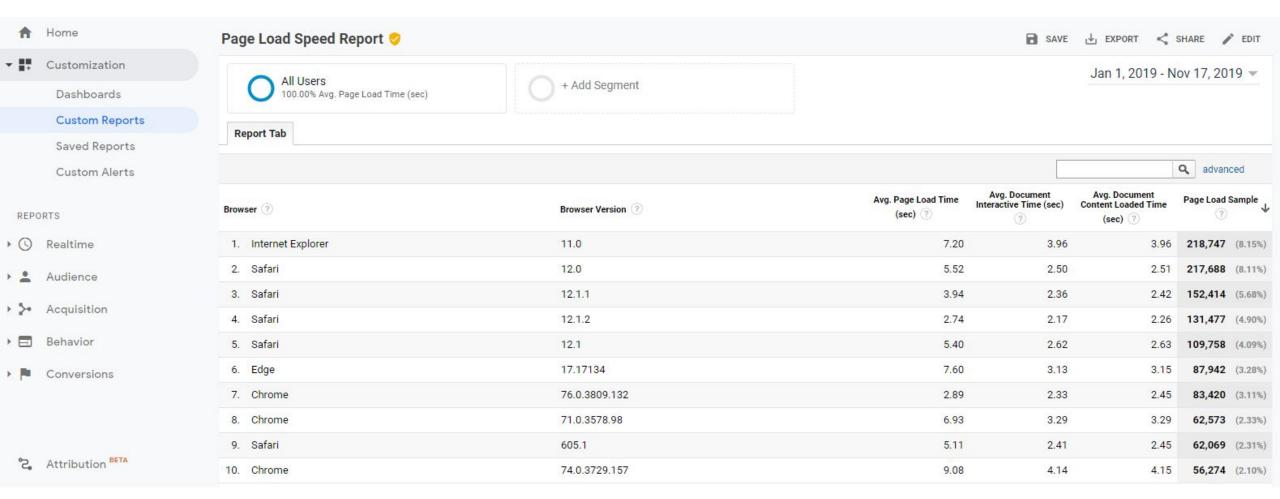


Google Analytics - Channels

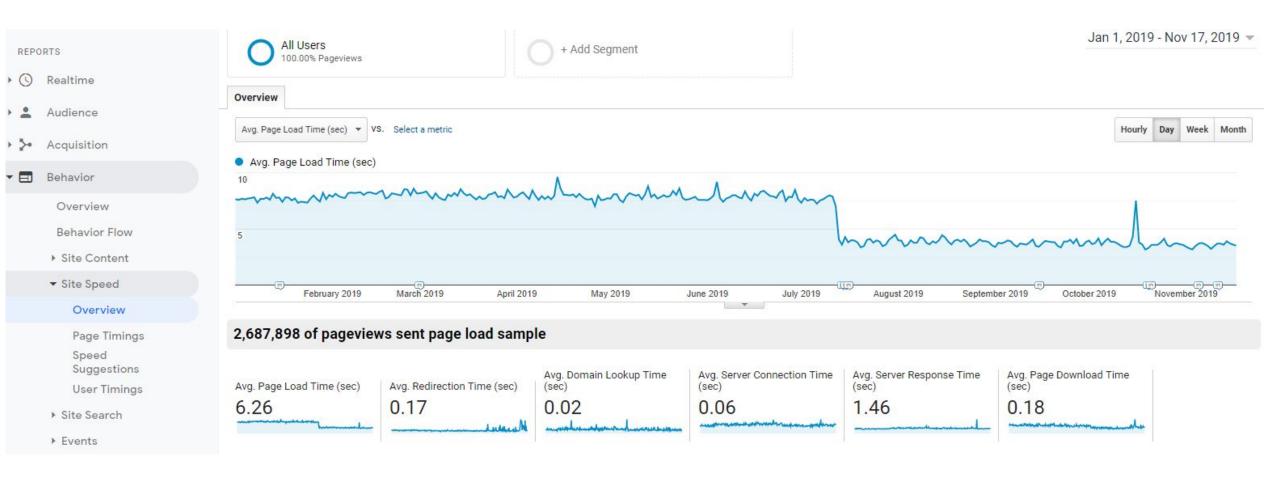
Tablet Traffic	438,289 % of Total: 21.18% (2,069,059)	424,916 % of Total: 20.93% (2,029,743)	687,922 % of Total: 22.37% (3,075,461)	58.48% Avg for View: 61.60% (-5.06%)	3.46 Avg for View: 3.09 (12.01%)	00:02:35 Avg for View: 00:02:19 (11.88%)	2.57% Avg for View: 2.39% (7.27%)
Mobile Traffic	954,947 % of Total: 46.15% (2,069,059)	943,190 % of Total: 46.47% (2,029,743)	1,348,029 % of Total: 43.83% (3,075,461)	69.34% Avg for View: 61.60% (12.56%)	2.49 Avg for View: 3.09 (-19.32%)	00:01:32 Avg for View: 00:02:19 (-33.46%)	1.53% Avg for View: 2.39% (-36.27%)
Google Paid Search			10				
All Users	1,079,357 (48.91%)	1,015,188 (50.02%)	1,511,070 (49.13%)	70.11%	2.40	00:01:35	2.53%
Desktop Traffic	275,997 (37.56%)	250,570 (37.87%)	374,754 (36.05%)	64.39%	2.78	00:02:09	3.75%
Tablet Traffic	256,410 (54.11%)	235,608 (55.45%)	376,698 (54.76%)	65.17%	2.72	00:01:57	2.76%
Mobile Traffic	556,594 (55.30%)	529,009 (56.09%)	759,618 (56.35%)	75.38%	2.06	00:01:07	1.82%
2. Organic Search							
All Users	803,514 (36.41%)	719,623 (35.45%)	1,080,190 (35.12%)	53.30%	3.67	00:02:55	1.71%
Desktop Traffic	314,086 (42.74%)	280,694 (42.42%)	450,170 (43.31%)	47.33%	4.05	00:03:32	2.32%
Tablet Traffic	149,611 (31.57%)	127,717 (30.06%)	200,846 (29.20%)	49.73%	4.38	00:03:23	2.06%
Mobile Traffic	338,932 (33.67%)	311,212 (33.00%)	429,174 (31.84%)	61.22%	2.94	00:02:02	0.91%
3. Direct							
All Users	140,263 (6.36%)	137,291 (6.76%)	190,807 (6.20%)	55.46%	3.55	00:03:07	2.94%
Desktop Traffic	52,702 (7.17%)	52,159 (7.88%)	76,462 (7.36%)	47.56%	3.87	00:04:01	4.17%
Tablet Traffic	25,996 (5.49%)	25,595 (6.02%)	35,311 (5.13%)	54.78%	4.10	00:03:19	3.13%
Mobile Traffic	61,107 (6.07%)	59,537 (6.31%)	79,034 (5.86%)	63.42%	3.00	00:02:10	1.65%



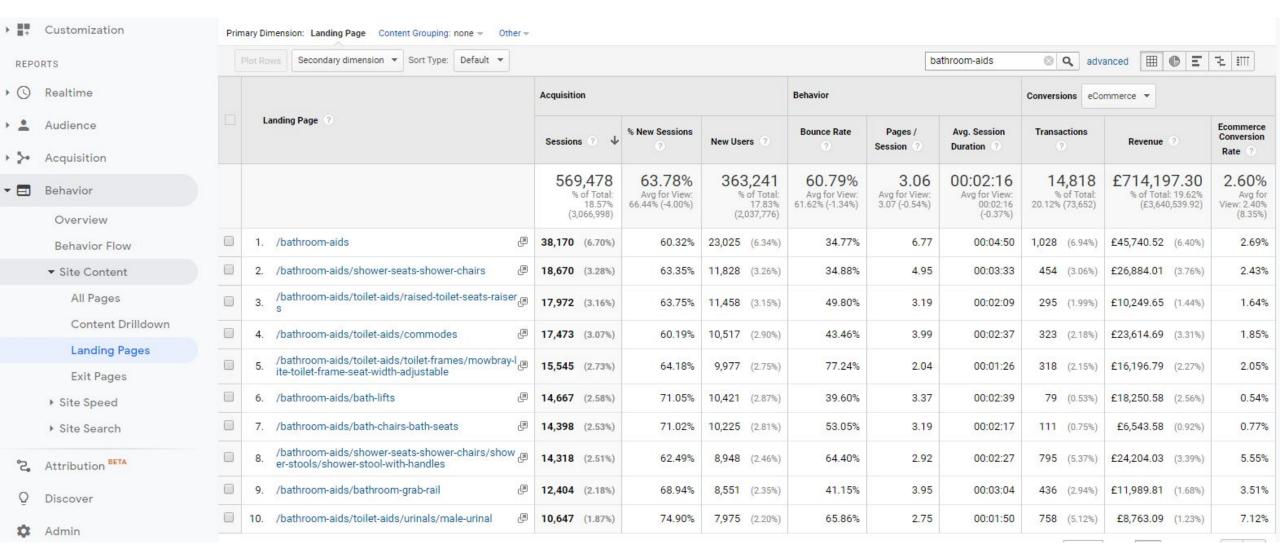
Google Analytics - Page Load



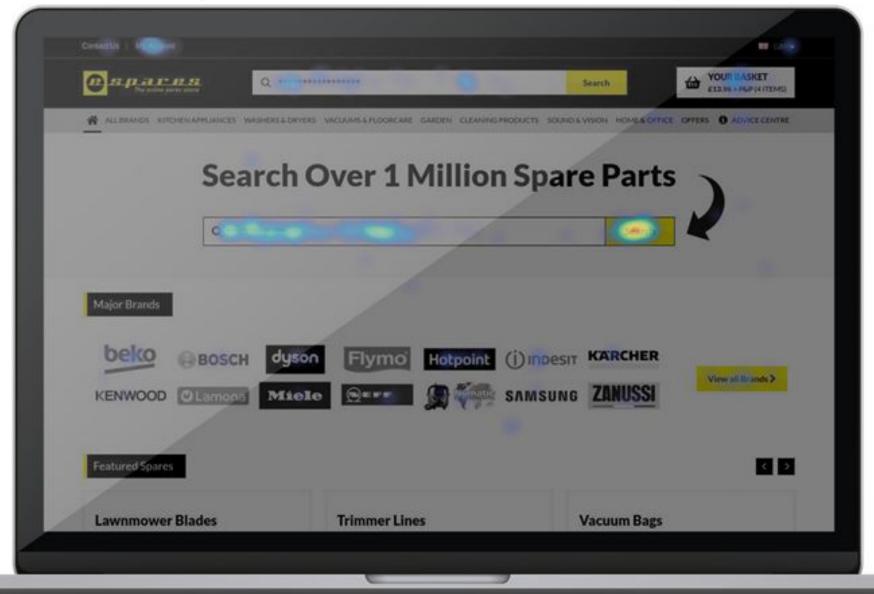
Google Analytics - Site Speed



Google Analytics - Landing Page

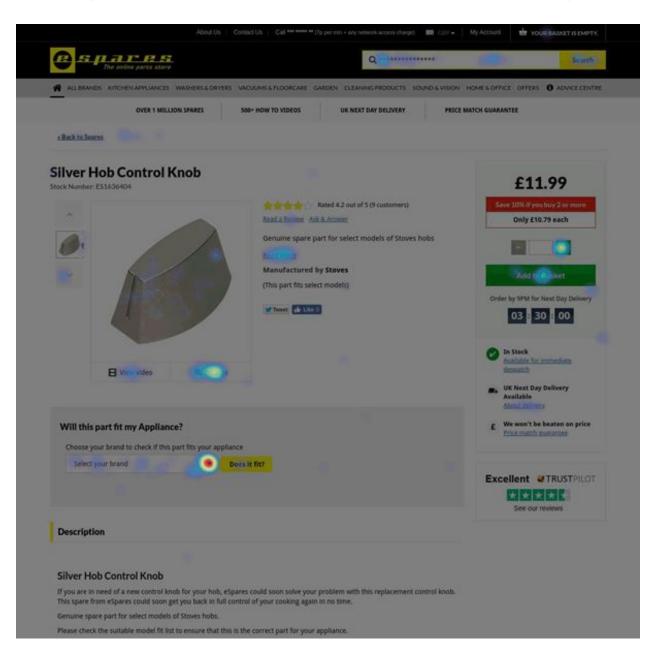


Hotjar - Heatmap Analysis

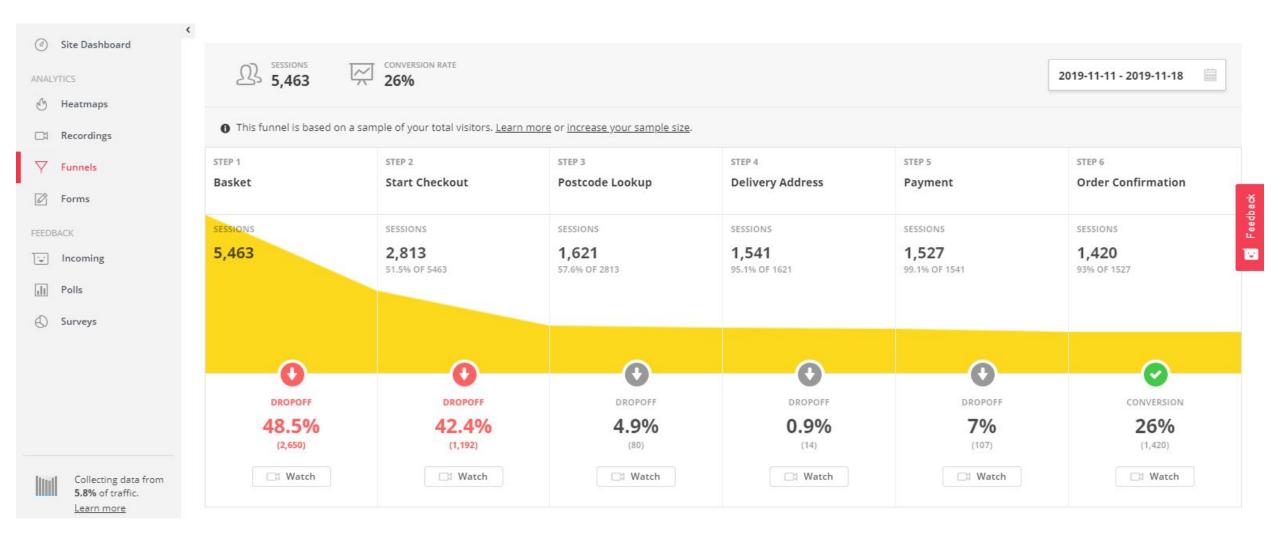




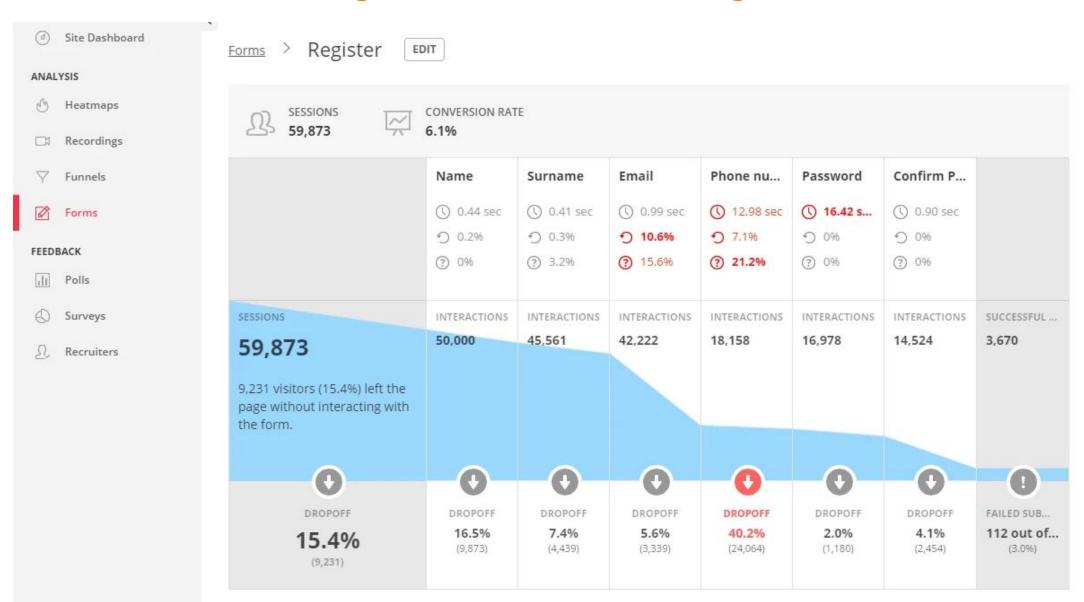
Hotjar - Heatmap Analysis



Hotjar - Funnel Analysis



Hotjar - Form Analysis



Quick Q&A



#2: A/B Testing

Platforms













Hypothesis

"IF _____, THEN ____

[Variable]

The Variable:

A website element that can be modified, added, or taken away to produce a desired outcome. [Result]

Result:

The predicted outcome. (More email sign-ups, clicks on a call to action, or another type of behavior.) [Rationale]

Rationale:

DUE TO

Demonstrate that you have informed your hypothesis with research: what do you know about your visitors from your qualitative and quantitative research that indicates your hypothesis is correct?



Goals

Primary

Sales (Online)
Phone Calls
Newsletter Sign Up

Secondary

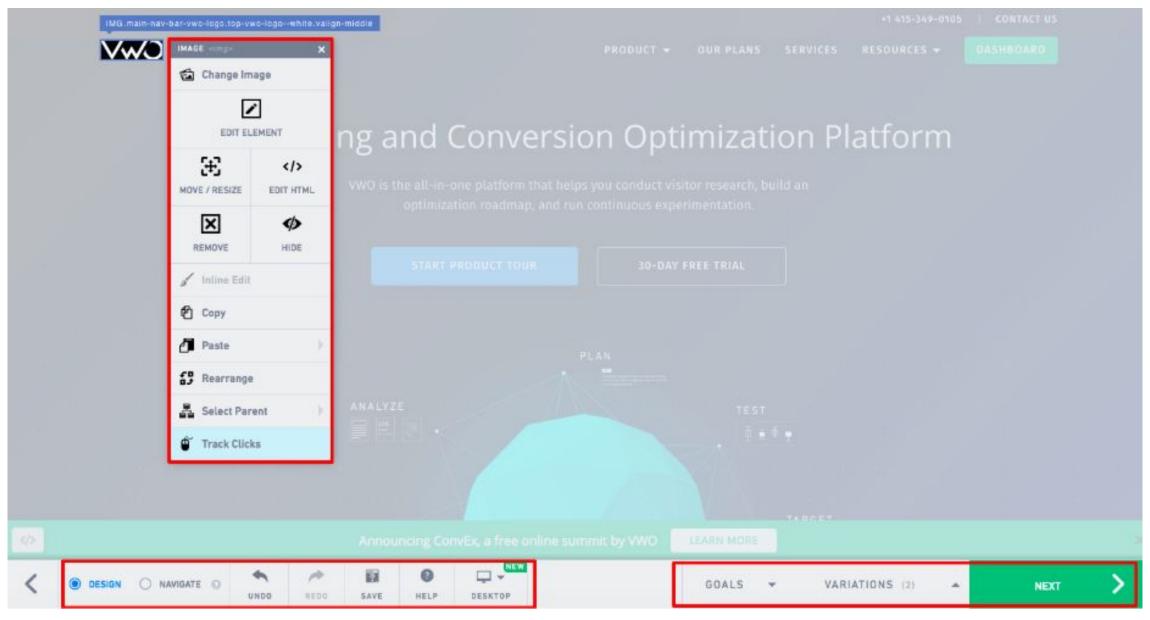
Visit Category Page
Visit Product Page
Click Add to Basket
Visit Basket Page



Design



Development



Test Duration

Estimated existing conversion rate (%) 30 % Minimum improvement in conversion rate you want 20 to detect (%) Number of variations/combinations (including control) Average number of daily visitors 200 Percent visitors included in test? 100 **CALCULATE TEST DURATION**

Launch

Launch @ 10% Traffic (Mon-Thu) 24hrs @ 50% Traffic 48hrs @ 100 Traffic

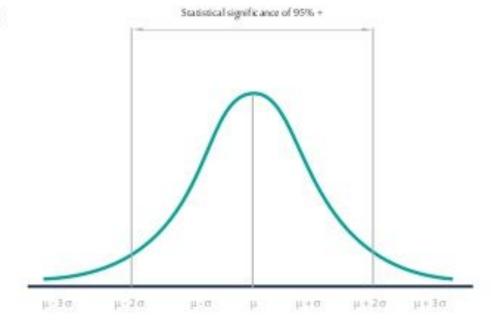


Statistical Significance

Importance of Statistical Significance

Statistical significance proves the level of certainty that the results of a given test are not due to a sampling error.





Statistical Power - Will share in resources!

The statistical power of an A/B test refers to the test's **sensitivity to certain magnitudes of effect sizes**. More precisely, it is the probability of observing a statistically significant result at level alpha (α) if a true effect of a certain magnitude (MEI) is in fact present.

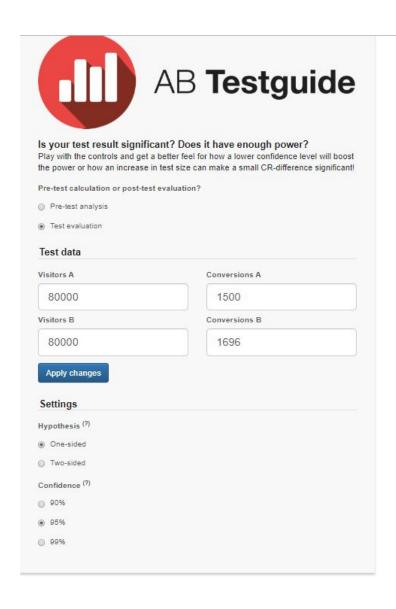
When communicated as a single number statistical power is evaluated at a specific alternative hypothesis (magnitude of the difference between the null). However, it recommended to communicate it by presenting the entire **power function** over all possible values of the parameter of interest (e.g. all possible absolute or relative differences between the variant(s) and the control).

Statistical power is equal to $1-\beta$ where beta is the type II error, or the false negative rate of the test procedure. Thus, power is inversely related to statistical significance while being positively related to the sample size and the minimum effect of interest. Increasing the sample size increases the power against all possible alternatives, increasing the MEI results in a higher power given fixed sample size and significance threshold while increasing the α results in lower power.

Statistical power is also inversely related to the variance and the standard deviation of the metric of interest: higher variance results in lower power, assuming fixed sample size, significance threshold and MEI.

All of these relation become apparent once we consider the full notation of statistical power: $POW(T(\alpha); \mu 1) = P(d(X) > c(\alpha); \mu 1)$ for any $\mu 1$ greater than $\mu 0$, where $c(\alpha)$ is the significance threshold, d(X) is a test statistic (distance function), and $\mu 1$ is the magnitude of the effect under a particular alternative hypothesis H1).

Calculators:)



Test result

99.94%

0.00048

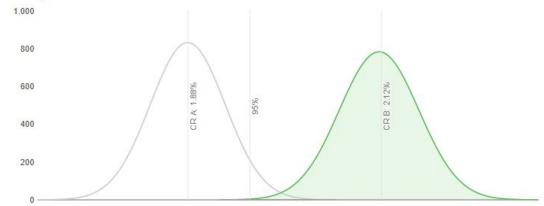
(CRA * (1-CRA) / Visitorsa) 1/2

Significant test result!

Variation B's observed conversion rate (2.12%) was 13.07% higher than variation A's conversion rate (1.88%). You can be 95% confident that this result is a consequence of the changes you made and not a result of random chance.



The expected distributions of variation A and B.



Conversion Rate Control Conversion Rate B Conversions A / Visitors A Conversions B / Visitors B 1.88% 2.12%

Relative uplift in Conversion Rate CRB - CRA / CRA 13.07%







Quick Q&A



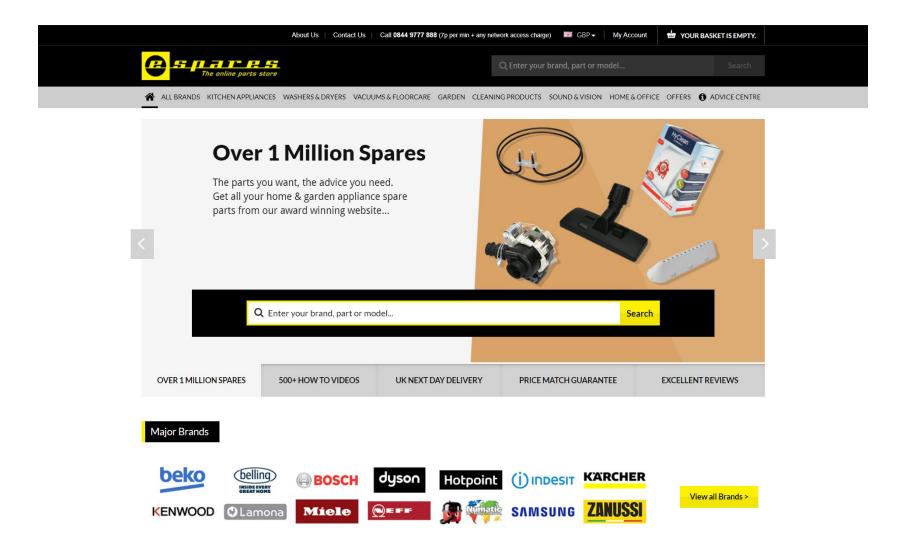
#3: Tests & Results

Winning Tests



Home Page



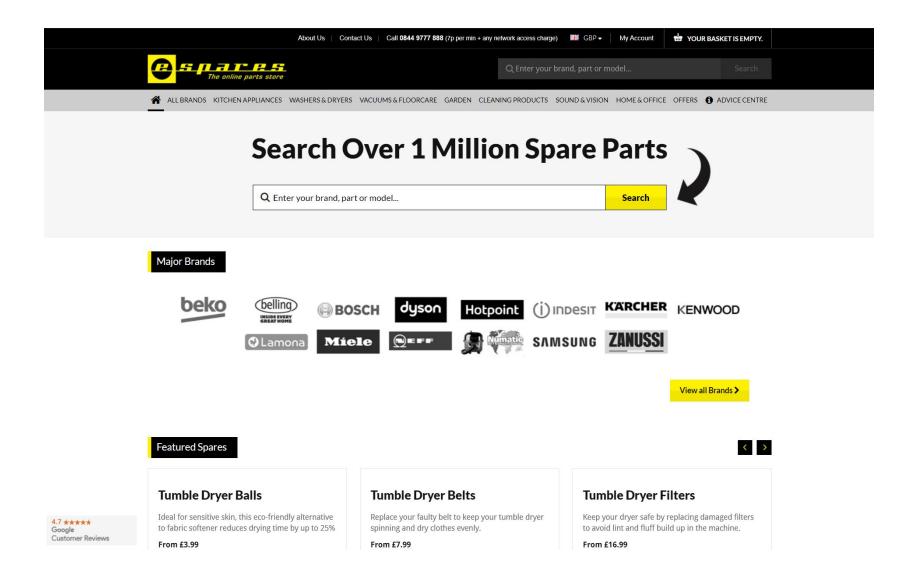




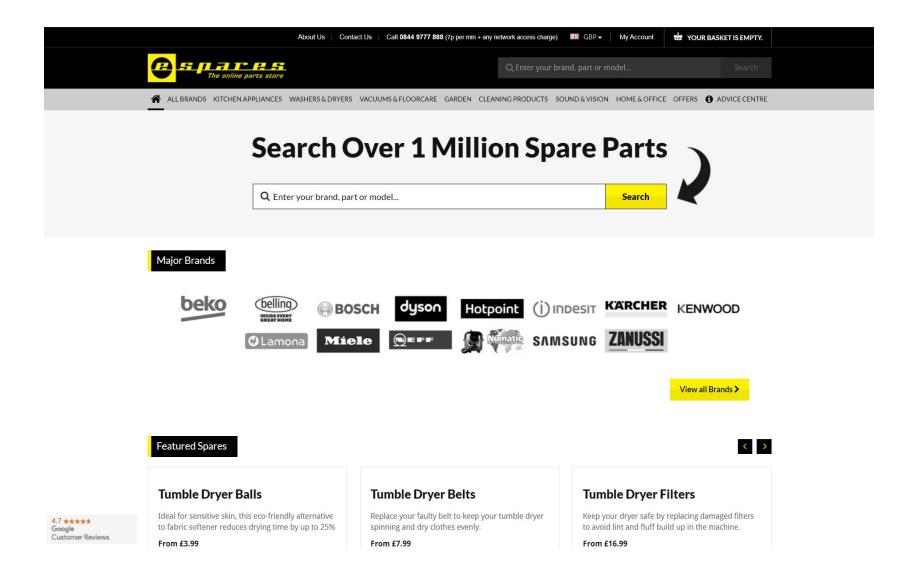


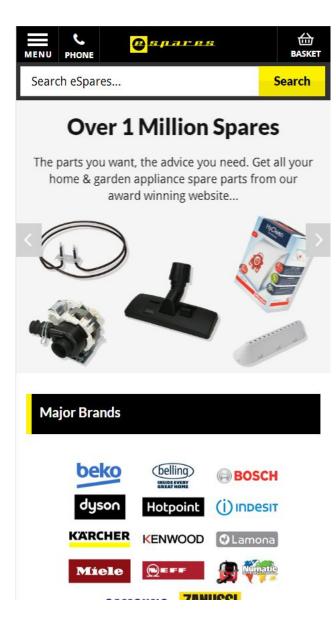


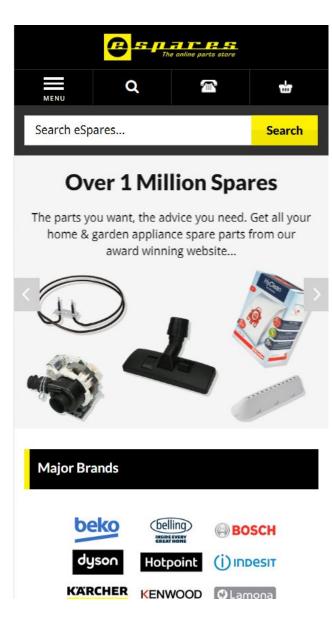




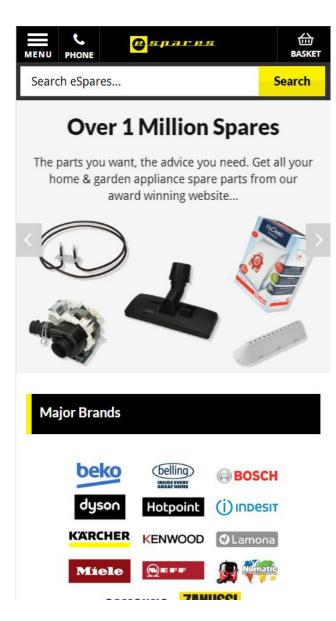
Variation B Won





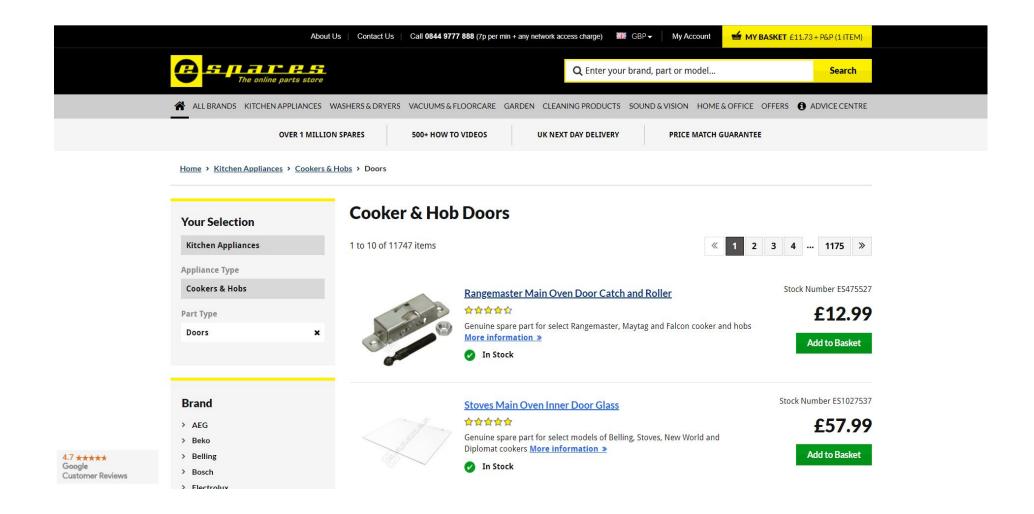


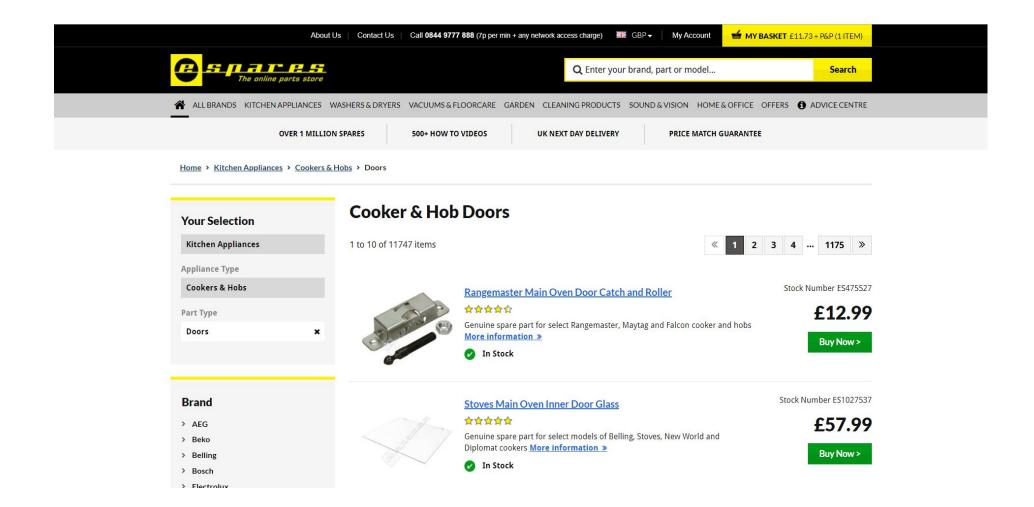
Variation A Won



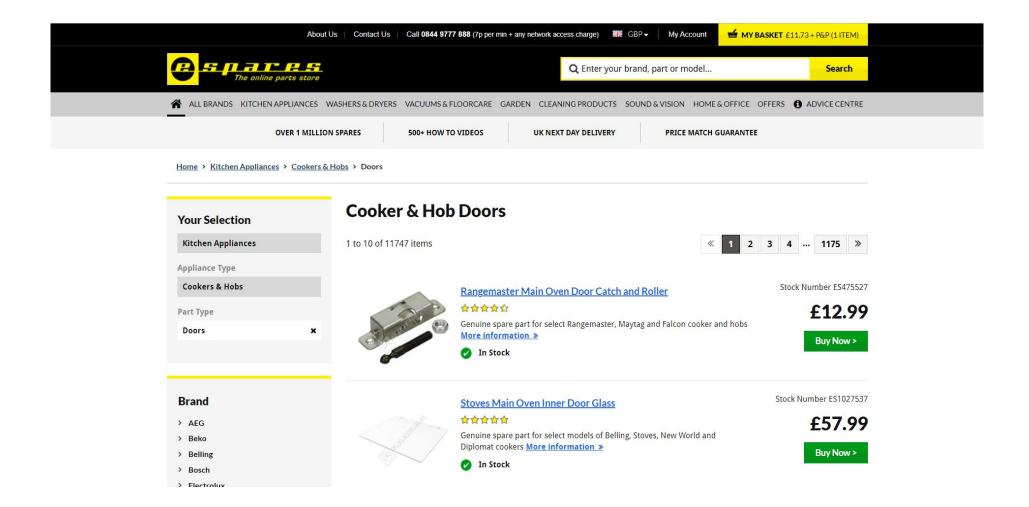
Category Page

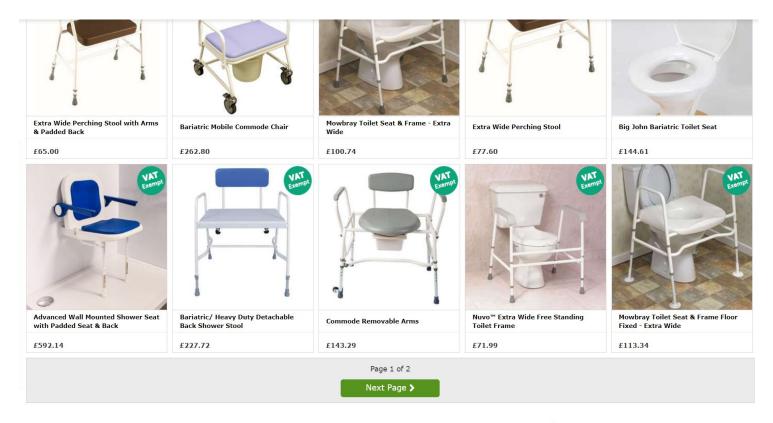






Variation B Won





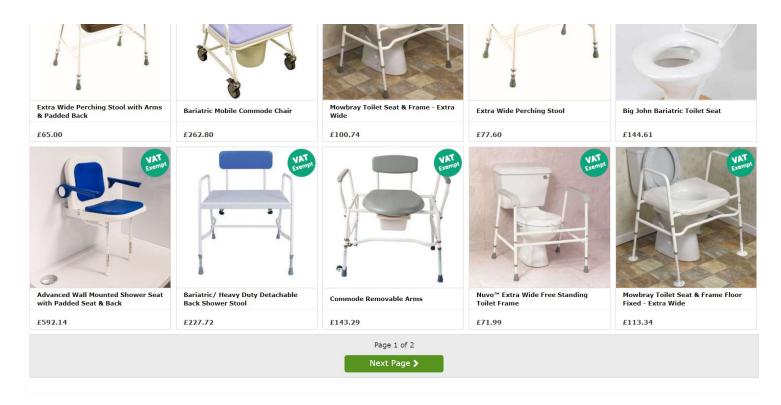
Our customers say Excellent * * * * * 9.3/10 based on over 8000 reviews * Trustpilot

What are bariatric and obesity bathroom aids?

Bariatric and obesity bathroom aids include toilet frames, steps and shower chairs that help make the bathroom more accessible for anyone with a higher user weight.

My Account





What are bariatric and obesity bathroom aids?

Bariatric and obesity bathroom aids include toilet frames, steps and shower chairs that help make the bathroom more accessible for anyone with a higher user weight.

What are the benefits of bariatric and obesity bathroom aids?

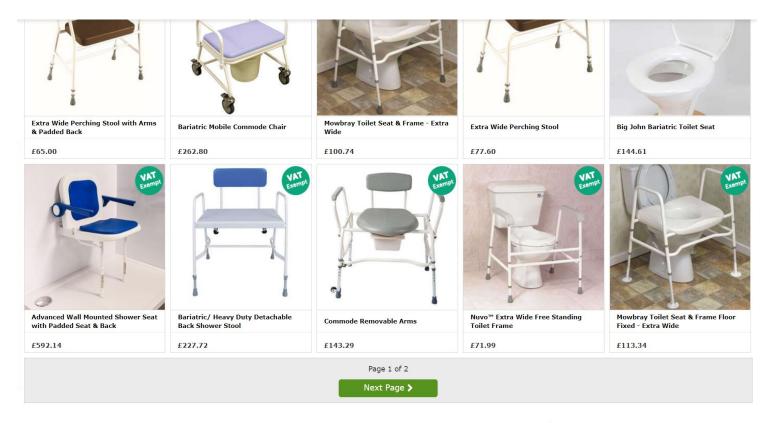
Bariatric bathroom aids reduce any discomfort or difficulty during your bathing routine and can give you independence in the place where you most want it.

What different bariatric and obesity bathroom aids do you offer?

Commodes – we offer mobile and static commodes that have attachable pans with lids. They have strong seats and frames and a water-resistant design so they can be used in the bathroom or shower. All the commodes we provide have detachable arms for increased comfort during transfers, and we also have a commode with fold in foot rests.

My Account Your Basket

Variation A Won



Our customers say Excellent * * * * * 9.3/10 based on over 8000 reviews * Trustpilot

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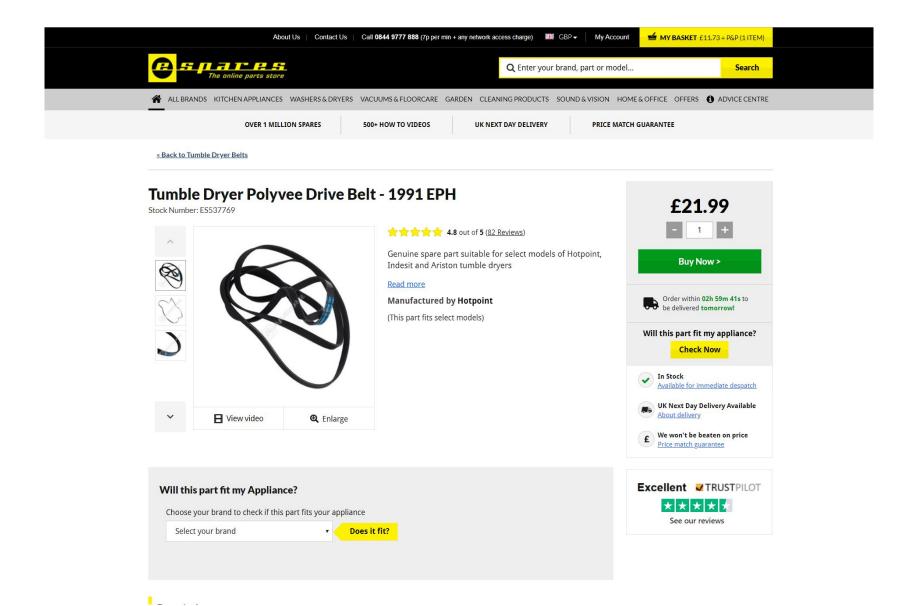
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My Account

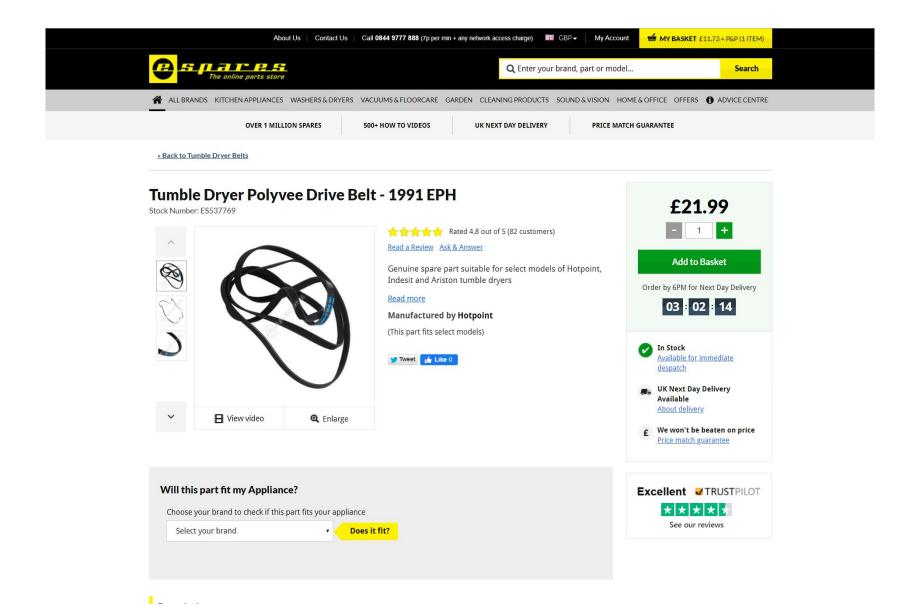


Product Page

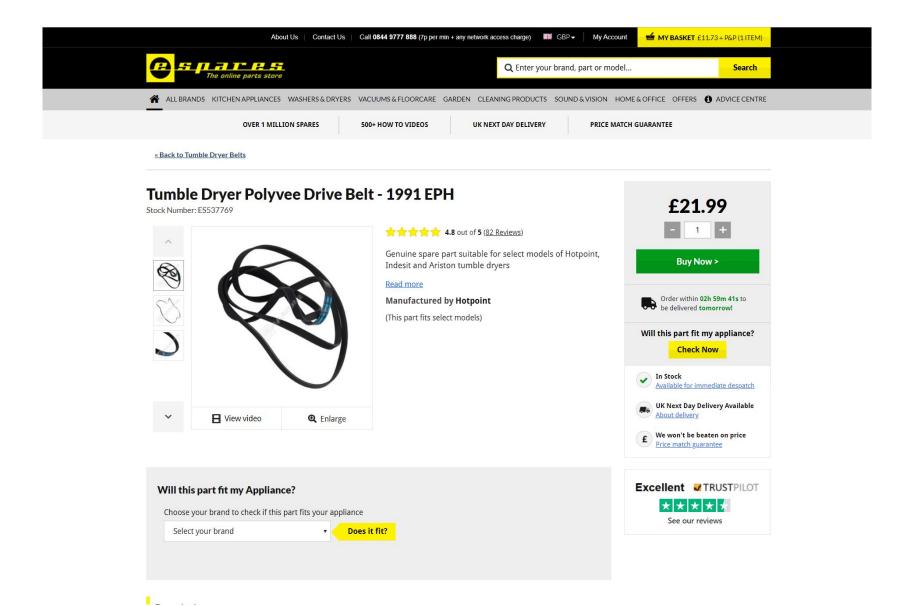








Variation A Won



Description

Hoover H-Free 500 HF522UPT Pets Cordless Vacuum Cleaner - Black/Blue

Introducing the H-Free 500 Pets Cordless Vacuum cleaner from Hoover, the most compact stick vacuum in the Hoover range! Weighing only 2.2kg and measuring just 69cm in storage mode, it is ideal for small houses short on space. Boasting a turbo boost function giving extra power to easily remove pet hairs that are embedded into carpets, cushions and car seats.

The H-Free 500 is compact and agile, making light work of moving around furniture and in tight spaces. Achieve outstanding cleaning results with the "H-Lab Brushless Compact Motor", thanks to a combination of motor power, airflow and a powerful agitator to pick up hairs and all types of dust matter. The brushless motor gives you consistent power of 25 minutes when using the motorised floor head or 40 minutes of use with the supplied accessories. An added benefit is the on board LED battery indicator that lights up when the battery is running low, so that you won't run out of power unexpectedly during your cleaning routine

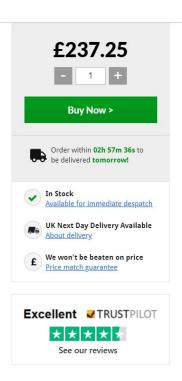
Included with the H-Free 500 is an integrated 2in1 dusting and furniture tool which is ideal for delicate surfaces such as ornaments or upholstery. You can use the integrated crevice tool for skirting boards or spot cleaning tight corners. A mini motorised turbo brush is included which is perfect for removing pet hairs and fluff all around the house.

Removing tangled hairs from the brush roller couldn't be any easier as the floor roller easily detaches without any tools. The H-Free 500 boasts front LED lights into the floor nozzle, giving you greater visibility in low light situations perfect for use under furniture.

Specifications:

- Model Number: HF522UPT
- Auto Run Time: 40 minutes
- Standard Run Time: 25 minutes
- Turbo Run Time: 8 minutes
- Charge Time: 6 Hours
- Voltage: 22V
- Bin Capacity: 0.45L
- Battery Type: Li-Ion

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Hoover H-Free Pets 500 HF522UPT Pets Cordless Vacu... £237.25

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■ Description ★ Reviews

See our reviews

Description

Hoover H-Free 500 HF522UPT Pets Cordless Vacuum Cleaner - Black/Blue

Introducing the H-Free 500 Pets Cordless Vacuum cleaner from Hoover, the most compact stick vacuum in the Hoover range! Weighing only 2.2kg and measuring just 69cm in storage mode, it is ideal for small houses short on space. Boasting a turbo boost function giving extra power to easily remove pet hairs that are embedded into carpets, cushions and car seats.

The H-Free 500 is compact and agile, making light work of moving around furniture and in tight spaces. Achieve outstanding cleaning results with the "H-Lab Brushless Compact Motor", thanks to a combination of motor power, airflow and a powerful agitator to pick up hairs and all types of dust matter. The brushless motor gives you consistent power of 25 minutes when using the motorised floor head or 40 minutes of use with the supplied accessories. An added benefit is the on board LED battery indicator that lights up when the battery is running low, so that you won't run out of power unexpectedly during your cleaning routine.

Included with the H-Free 500 is an integrated 2in1 dusting and furniture tool which is ideal for delicate surfaces such as ornaments or upholstery. You can use the integrated crevice tool for skirting boards or spot cleaning tight corners. A mini motorised turbo brush is included which is perfect for removing pet hairs and fluff all around the house.

Removing tangled hairs from the brush roller couldn't be any easier as the floor roller easily detaches without any tools. The H-Free 500 boasts front LED lights into the floor nozzle, giving you greater visibility in low light situations perfect for use under furniture.

Specifications:

- Model Number: HF522UPT
- Auto Run Time: 40 minutes
- Standard Run Time: 25 minutes
- Turbo Run Time: 8 minutes

CI T' CII

Variation B Won

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Buy Now >

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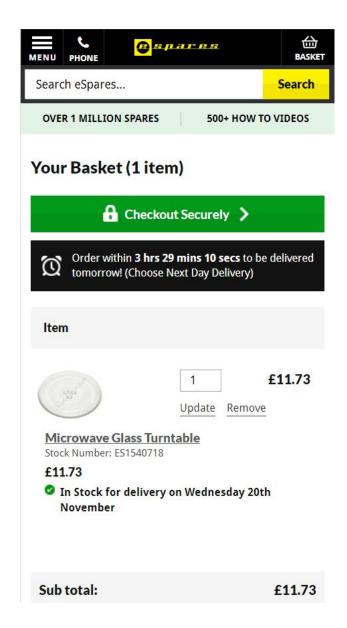
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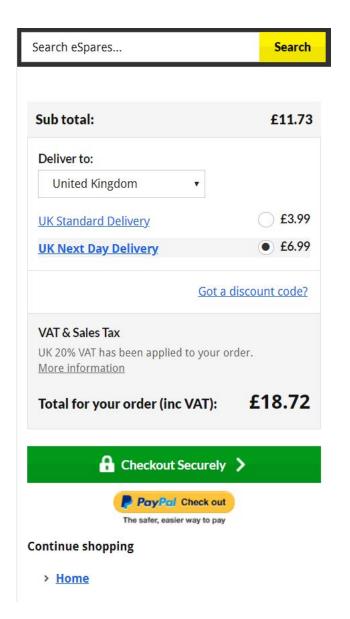
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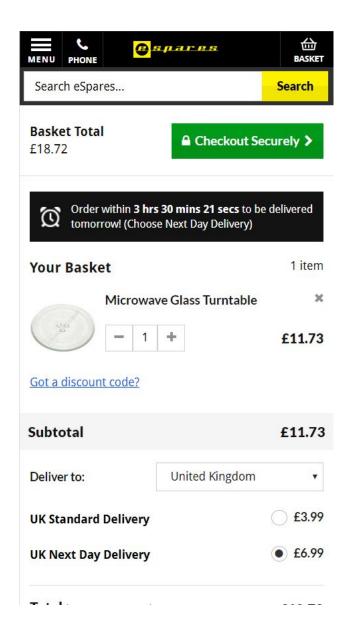
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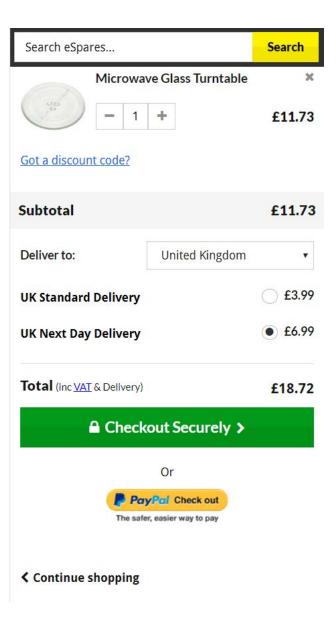
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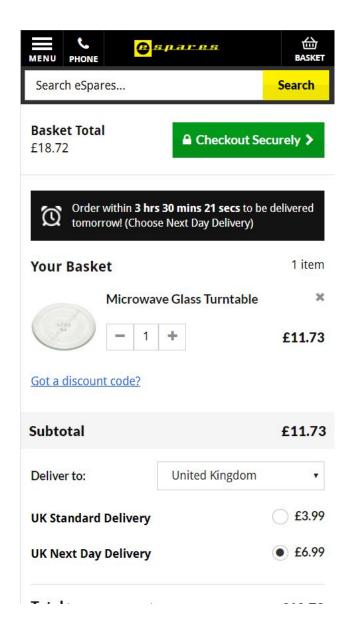


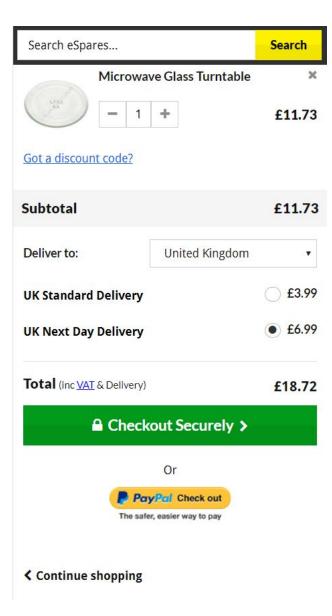


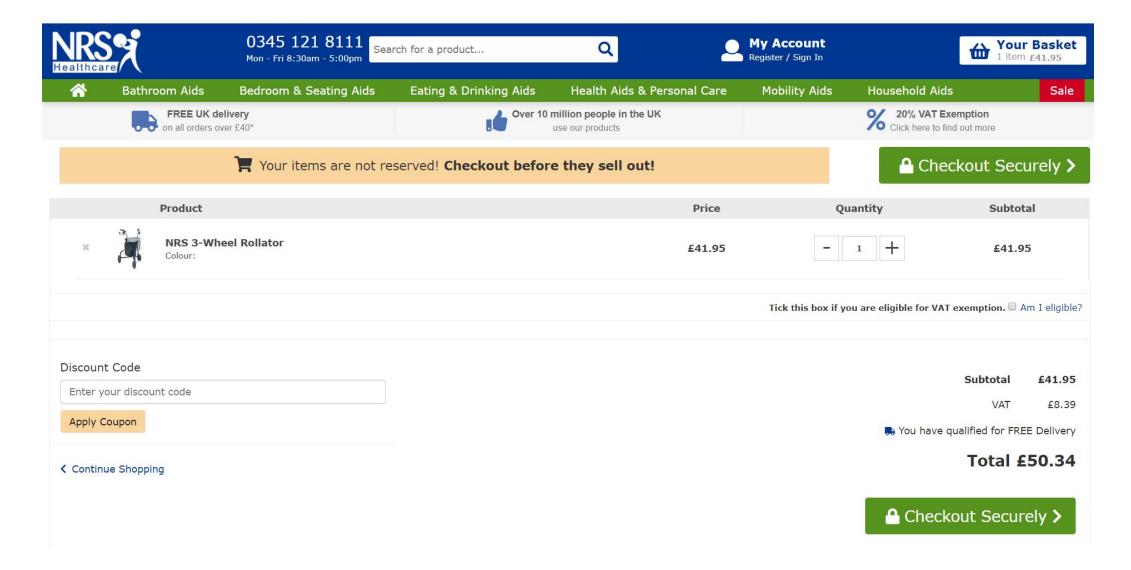


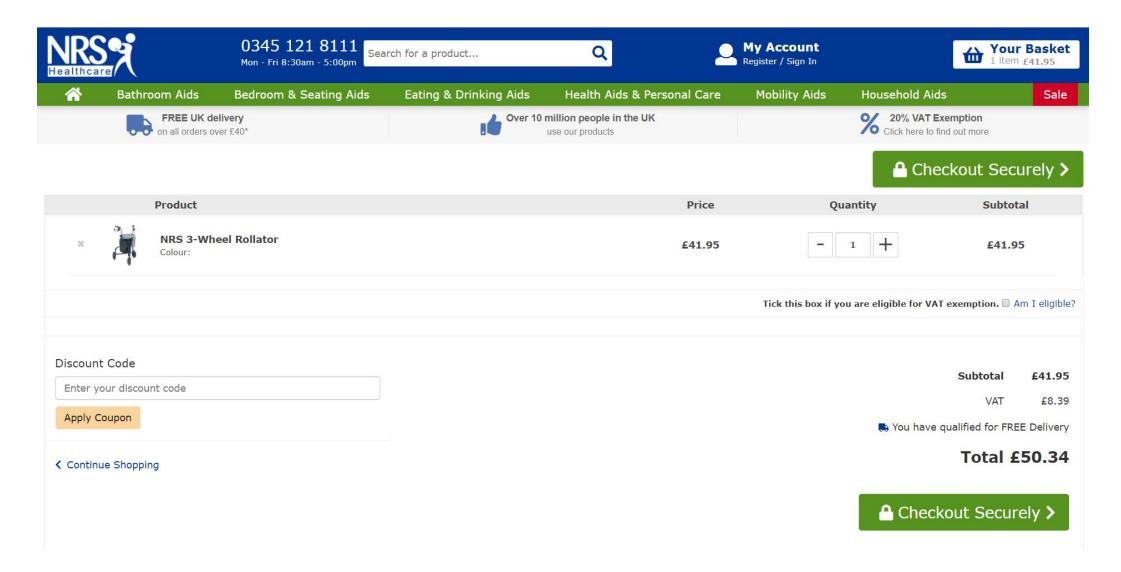


Variation B Won

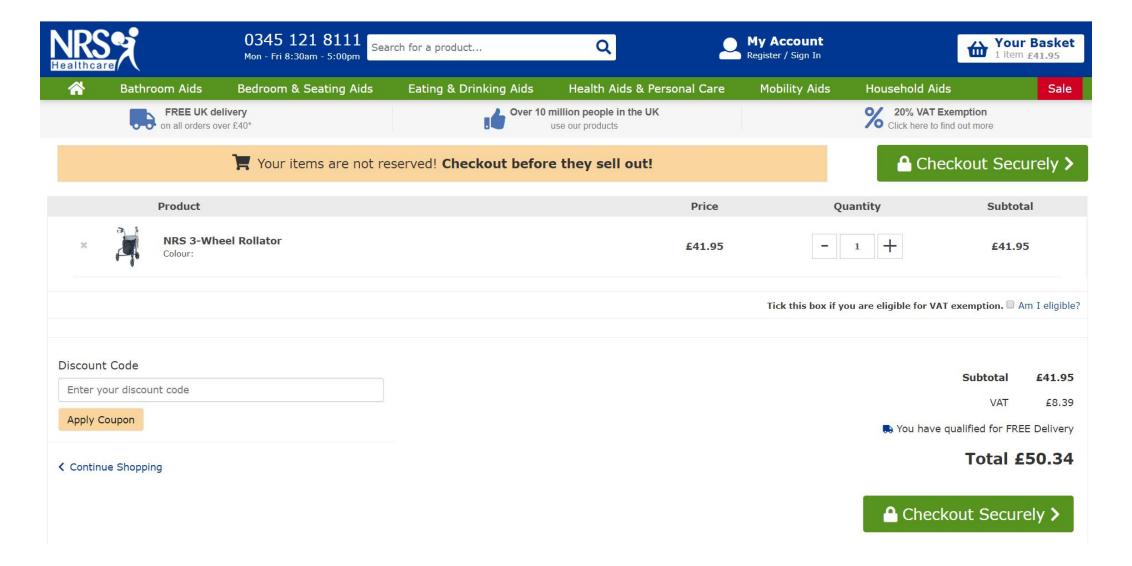






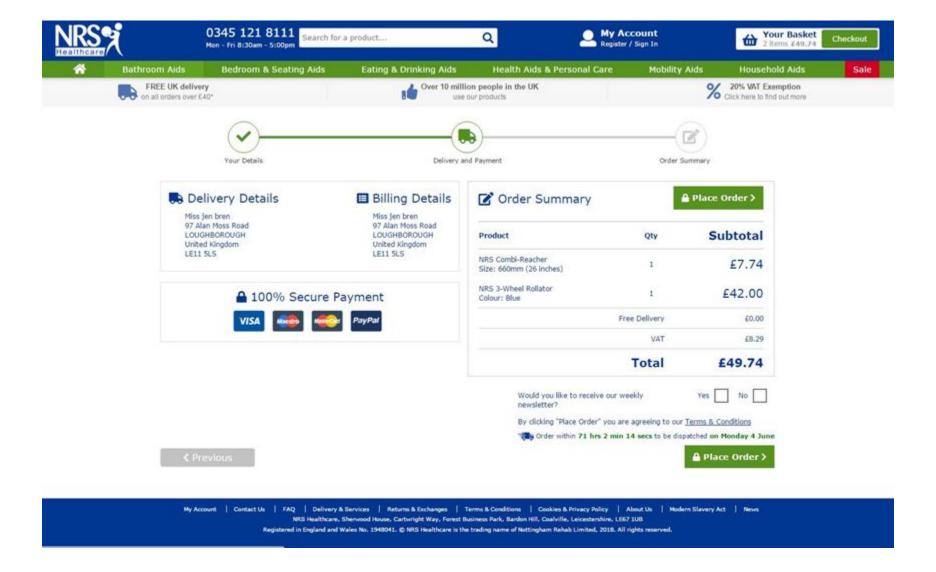


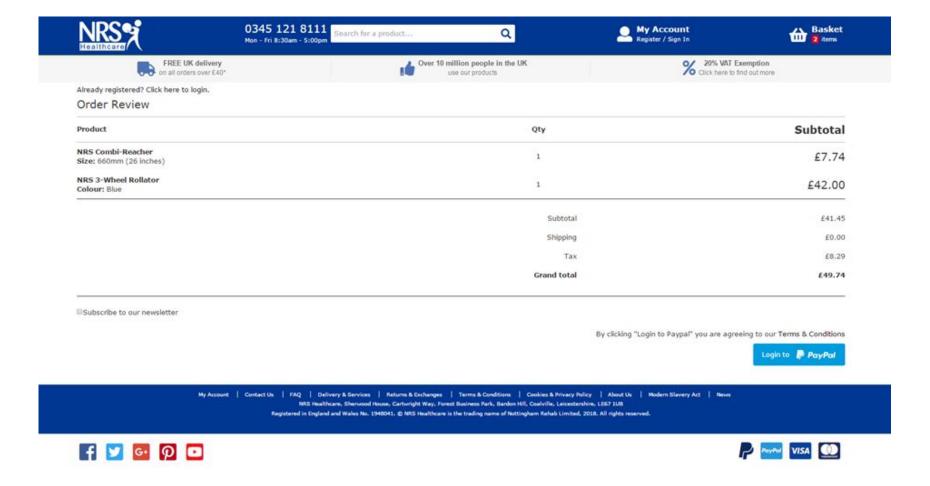
Variation A Won



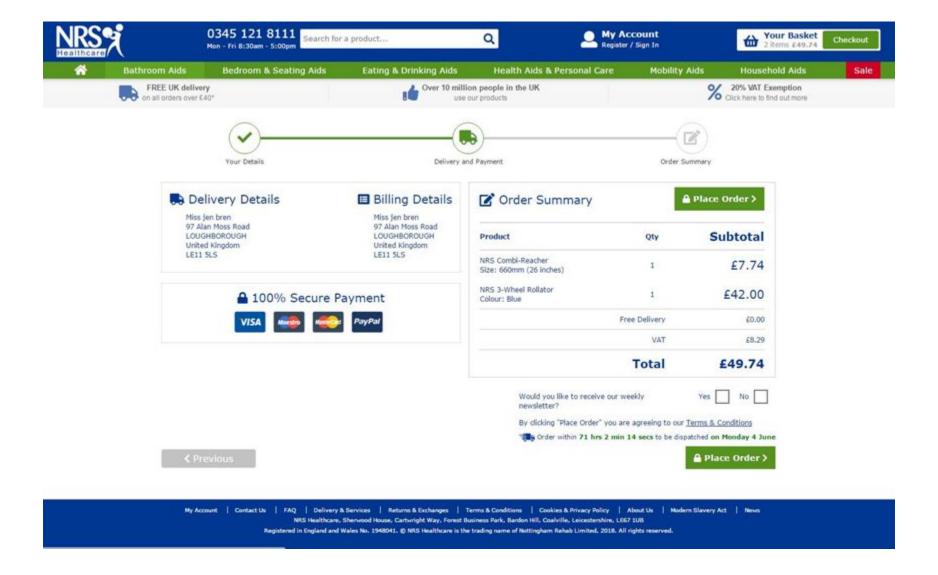
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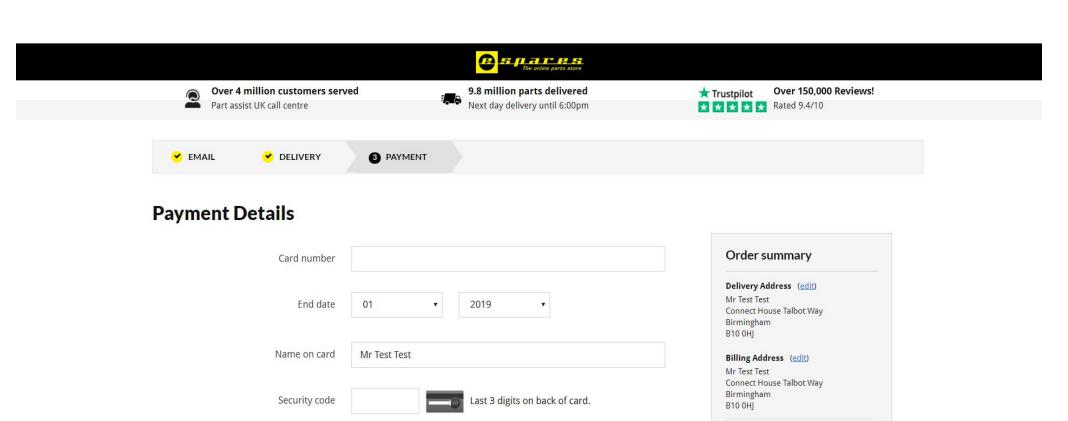






Variation A Won







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[+] 1 x Item

Total (inc VAT)

UK Next Day Delivery

£11.73

£6.99

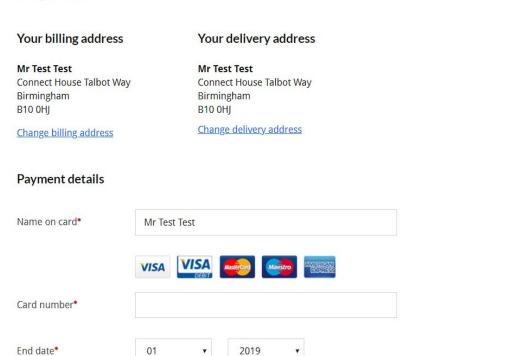
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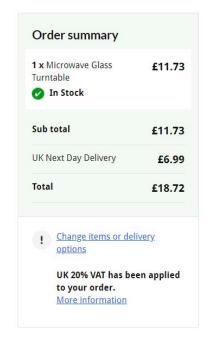


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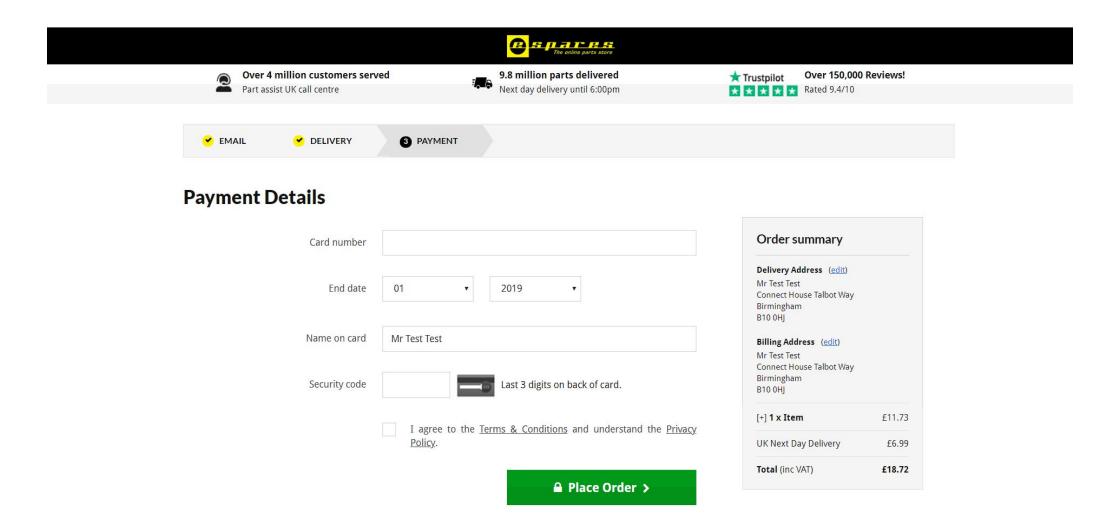


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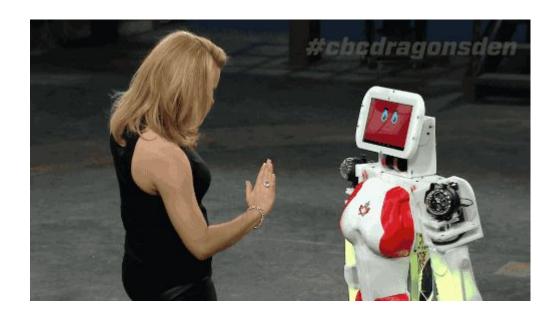




Variation A Won



Congratulations!



What you have learned

- 1. Quantitative/Qualitative Research
- 2. CRO Testing Process
- 3. Tests & Results



Q&A





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