## **Supplementary Online Appendix for:**

## "Do Nudges Reduce Borrowing and Consumer Confusion in the Credit Card Market?"

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Table A1: Balance checks between control and treatments for statement disclosure and automatic minimum payment nudge

	,	Statement	Disclosure						
Variable	Treatment	Mean (Control)	Mean (Treatment)	Mean Difference (Treatment- Control)	Percentage Difference Relative to Control	CI Lower (Treatment- Control)	CI Upper (Treatment- Control)	P Value	T Statistic
Age (years)	Time To Repay	46.86	46.82	-0.04	-0.09	-0.37	0.29	0.812	0.238
Female (% cards)		46.08	45.07	-1.01	-2.20	-2.40	0.38	0.153	1.428
Credit Limit (£)		7,889.24	7,802.36	-86.88	-1.10	-218.95	45.20	0.197	1.289
Credit Score (0-100)		70.03	69.75	-0.28**	-0.39	-0.48	-0.07	0.009	2.614
Purchases Rate (%)		17.95	18.02	0.07	0.38	-0.02	0.16	0.129	1.520
Balance Transfer (% cards)		48.75	48.61	-0.14	-0.30	-1.54	1.25	0.840	0.202
Total Credit Card Statement Balances Net of Payments (£)		7,833.88	8,076.06	242.18	3.09	-3.70	488.07	0.054	1.931
Age (years)	Time+Cost To Repay	46.86	47.02	0.16	0.35	-0.17	0.50	0.334	0.966
Female (% cards)		46.08	45.85	-0.23	-0.50	-1.62	1.16	0.744	0.327
Credit Limit (£)		7,889.24	7,920.02	30.78	0.39	-101.76	163.33	0.649	0.455
Credit Score (0-100)		70.03	70.01	-0.02	-0.02	-0.22	0.19	0.880	0.151
Purchases Rate (%)		17.95	17.94	-0.01	-0.03	-0.09	0.08	0.907	0.117
Balance Transfer (% cards)		48.75	48.84	0.09	0.18	-1.31	1.48	0.904	0.121
Total Credit Card Statement Balances Net of Payments (£)		7,833.88	7,929.44	95.56	1.22	-148.72	339.85	0.443	0.767

N (control) = 9,807, N (Time To Repay) = 9,943, N (Time+Cost To Repay) = 9,933 . \*\*\* P value < 0.005, \*\* < 0.01, \* < 0.05.

				Auto	matic Minimum Pay	ment Nudge				
Variable	Lender	Treatment	Mean (Control)	Mean (Treatment)	Mean Difference (Treatment- Control)	Percentage Difference Relative to Control	CI Lower (Treatment- Control)	CI Upper (Treatment- Control)	P Value	T Statistic
Age (years)	1	Time To Repay	45.75	45.80	0.05	0.10	-0.24	0.34	0.747	0.322
Female (% cards)			39.99	40.46	0.47	1.18	-0.66	1.60	0.413	0.819
Credit Limit (£)			6,004.57	6,074.31	69.74	1.16	-29.63	169.11	0.169	1.376
Credit Score (0-100)			66.32	66.50	0.18	0.27	-0.01	0.36	0.063	1.856
Purchases Rate (%)			21.80	21.86	0.06	0.28	-0.04	0.16	0.223	1.218
Balance Transfer (% cards)			10.43	10.69	0.25	2.43	-0.45	0.96	0.482	0.703
Total Credit Card Statement Balances Net of Payments (£)			8,202.67	8,261.42	58.75	0.72	-160.59	278.10	0.600	0.525
Age (years)	1	Time+Cost To Repay	45.75	45.71	-0.04	-0.09	-0.33	0.25	0.792	0.264
Female (% cards)			39.99	41.43	1.44	3.60	0.31	2.57	0.013	2.492
Credit Limit (£)			6,004.57	5,957.92	-46.66	-0.78	-145.51	52.20	0.355	0.925
Credit Score (0-100)			66.32	66.42	0.10	0.15	-0.09	0.29	0.298	1.041
Purchases Rate (%)			21.80	21.81	0.01	0.06	-0.08	0.11	0.792	0.264
Balance Transfer (% cards)			10.43	10.11	-0.33	-3.12	-1.02	0.37	0.360	0.915
Total Credit Card Statement Balances Net of Payments (£)			8,202.67	8,156.01	-46.66	-0.57	-265.60	172.28	0.676	0.418

N (Lender 1, control) = 22,056, N (Lender 1, Time To Repay) = 10,808, N (Lender 1, Time+Cost To Repay) = 10,814. \*\*\* P value < 0.005, \*\* < 0.01, \* < 0.05.

Variable	Lender	Treatment	Mean (Control)	Mean (Treatment)	Mean Difference (Treatment- Control)	Percentage Difference Relative to Control	CI Lower (Treatment- Control)	CI Upper (Treatment- Control)	P Value	T Statistic
Age (years)	2	Time To Repay	42.02	42.13	0.11	0.26	-0.16	0.38	0.425	0.798
Female (% cards)			42.55	42.37	-0.18	-0.42	-1.37	1.01	0.769	0.294
Credit Limit (£)			6,767.64	6,763.41	-4.23	-0.06	-115.48	107.01	0.941	0.075
Credit Score (0-100)			63.76	63.69	-0.06	-0.10	-0.28	0.16	0.590	0.538
Purchases Rate (%)			22.62	22.58	-0.04	-0.17	-0.18	0.10	0.592	0.536
Balance Transfer (% cards)			11.97	11.99	0.02	0.13	-0.76	0.80	0.968	0.040
Total Credit Card Statement Balances Net of Payments (£)			7,503.18	7,627.91	124.73	1.66	-85.52	334.98	0.245	1.163
Age (years)	2	Time+Cost To Repay	42.02	42.05	0.03	0.08	-0.24	0.31	0.818	0.231
Female (% cards)			42.55	43.22	0.68	1.59	-0.52	1.87	0.266	1.112
Credit Limit (£)			6,767.64	6,746.39	-21.25	-0.31	-132.30	89.80	0.708	0.375
Credit Score (0-100)			63.76	63.93	0.18	0.28	-0.04	0.40	0.113	1.585
Purchases Rate (%)			22.62	22.59	-0.03	-0.15	-0.18	0.11	0.637	0.472
Balance Transfer (% cards)			11.97	12.17	0.20	1.70	-0.58	0.99	0.611	0.509
Total Credit Card Statement Balances Net of Payments (£)	_		7,503.18	7,435.31	-67.87	-0.90	-274.35	138.62	0.519	0.644

N (Lender 2, control) = 20,000, N (Lender 2, Time To Repay) = 9,970, N (Lender 2, Time+Cost To Repay) = 9,956 . \*\*\* P value < 0.005, \*\* < 0.01, \* < 0.05 .

Variable	Lender	Treatment	Mean (Control)	Mean (Treatment)	Mean Difference (Treatment- Control)	Percentage Difference Relative to Control	CI Lower (Treatment- Control)	CI Upper (Treatment- Control)	P Value	T Statistic
Age (years)	3	Time To Repay	44.38	44.49	0.11	0.26	-0.19	0.42	0.467	0.728
Female (% cards)			40.90	40.37	-0.53	-1.30	-1.93	0.87	0.455	0.747
Credit Limit (£)			8,569.28	8,543.40	-25.88	-0.30	-168.29	116.54	0.722	0.356
Credit Score (0-100)			69.18	69.43	0.24	0.35	0.04	0.44	0.017	2.389
Purchases Rate (%)			17.78	17.74	-0.05	-0.26	-0.13	0.03	0.262	1.122
Balance Transfer (% cards)			52.39	52.89	0.50	0.95	-0.92	1.92	0.491	0.688
Total Credit Card Statement Balances Net of Payments (£)			10,881.92	10,475.12	-406.79**	-3.74	-699.38	-114.20	0.006	2.725
Age (years)	3	Time+Cost To Repay	44.38	44.36	-0.02	-0.04	-0.33	0.29	0.902	0.124
Female (% cards)			40.90	40.55	-0.35	-0.84	-1.75	1.06	0.629	0.482
Credit Limit (£)			8,569.28	8,445.59	-123.69	-1.44	-266.83	19.45	0.090	1.694
Credit Score (0-100)			69.18	69.11	-0.07	-0.10	-0.27	0.13	0.488	0.693
Purchases Rate (%)			17.78	17.75	-0.04	-0.21	-0.12	0.04	0.374	0.889
Balance Transfer (% cards)			52.39	52.91	0.52	1 .00	-0.90	1.95	0.472	0.719
Total Credit Card Statement Balances Net of Payments (£)			10,881.92	10,548.56	-333.36*	-3.06	-626.01	-40.71	0.026	2.233

N (Lender 3, control) = 9,367, N (Lender 3, Time To Repay) = 9,528, N (Lender 3, Time+Cost To Repay) = 9,469 . \*\*\* P value < 0.005, \*\* < 0.01, \* < 0.05.

Table A2: Automatic minimum payment nudge - treatment effects on primary outcomes after nine completed statement cycles

-0.0144** (0.0055) -0.0080 (0.0055) -0.0246**	95% Confidence Interval [-0.0251, -0.0037]	P Value Card	ls Degrees of Freedom	Adjusted R Squared					
(0.0055) -0.0080 (0.0055)		0.0086 4367							
(0.0055)	F 0 0100 0 00 <b>2</b> 01		8 598379	0.1641					
0.0246* *	[-0.0188, 0.0028]	0.1473 3992	6 478265	0.1756					
(0.0089)	[-0.0420, -0.0071]	0.0058 2836	225842	0.2944					
-0.0037 (0.0054)	[-0.0143, 0.0070]	0.5000 4367	8 598379	0.1641					
-0.0041 (0.0055)	[-0.0149, 0.0068]	0.463 3992	6 478265	0.1756					
-0.0112 (0.0089)	[-0.0286, 0.0062]	0.2065 2836	225842	0.2944					
-0.0136* (0.0054)	[-0.0243, -0.0029]	0.0125 4196	8 382792	0.1362					
-0.0282* * * (0.0056)	[-0.0391, -0.0173]	0.0000 4007	4 319775	0.1417					
-0.0169* * * (0.0055)	[-0.0276, -0.0062]	0.002 4196	8 382792	0.1362					
-0.0216* * * (0.0056)	[-0.0325, -0.0107]	0.0001 4007	4 319775	0.1417					
2. Any full payment									
0.0047 (0.0039)	[-0.0030, 0.0124]	0.2357 4367	8 598379	0.0591					
-0.0033 (0.0044)	[-0.0119, 0.0053]	0.4556 3992	6 478265	0.0725					
0.0007 (0.0065)	[-0.0119, 0.0134]	0.909 2836	4 225842	0.1473					
0.0053 (0.0039)	[-0.0024, 0.0130]	0.1741 4367	8 598379	0.0591					
0.0004 (0.0045)	[-0.0084, 0.0091]	0.9356 3992	6 478265	0.0725					
0.0120 (0.0066)	[-0.0009, 0.0248]	0.0673 2836	4 225842	0.1473					
-0.0014 (0.0039)	[-0.0089, 0.0062]	0.724 4196	8 382792	0.0571					
0.0113* (0.0045)	[0.0024, 0.0201]	0.0127 4007	4 319775	0.0497					
0.0019 (0.0039)	[-0.0057, 0.0096]	0.6256 4196	8 382792	0.0571					
0.0047 (0.0045)	[-0.0041, 0.0134]	0.2938 4007	4 319775	0.0497					
	(0.0089) -0.0037 (0.0054) -0.0041 (0.0055) -0.0112 (0.0089) -0.0136* (0.0054) -0.0282*** (0.0056) -0.0169*** (0.0055) -0.0216*** (0.0056)  0.0047 (0.0039) -0.0033 (0.0044) 0.0007 (0.0065) 0.0053 (0.0039) 0.0004 (0.0045) 0.0120 (0.0066) -0.014 (0.0039) 0.0113* (0.0045) 0.0019 (0.0039) 0.0019 (0.0039)	(0.0089) [-0.0420, -0.0071] -0.0037 (0.0054) [-0.0143, 0.0070] -0.0041 (0.0055) [-0.0149, 0.0068] -0.0112 (0.0089) [-0.0286, 0.0062] -0.0282* * * (0.0056) [-0.0243, -0.0029] -0.0169* * * (0.0055) -0.0216* * * (0.0056) [-0.0325, -0.0107]  2. Any full paymon [-0.0033, 0.0124] -0.0033 (0.0044) [-0.0119, 0.0053] -0.0053 (0.0039) [-0.0119, 0.0134] -0.0053 (0.0039) [-0.0024, 0.0130] -0.0044 (0.0045) [-0.0084, 0.0091] -0.0120 (0.0066) [-0.0009, 0.0248] -0.0014 (0.0039) [-0.0089, 0.0062] -0.0013* (0.0045) [-0.0024, 0.0201] -0.0019 (0.0039) [-0.0057, 0.0096] -0.0017 (0.0039) [-0.0057, 0.0096] -0.0047 [-0.0041, 0.01341]	(0.0089) [-0.0420, -0.0071] 0.0038 2836  -0.0037 (0.0054) [-0.0143, 0.0070] 0.5000 4367  -0.0041 (0.0055) [-0.0149, 0.0068] 0.463 3992  -0.0112 (0.0089) [-0.0286, 0.0062] 0.2065 2836  -0.0136* (0.0054) [-0.0243, -0.0029] 0.0125 4196  -0.0282*** (0.0056) [-0.0391, -0.0173] 0.0000 4007  -0.0169*** (0.0055)  -0.0216*** (0.0055) [-0.0276, -0.0062] 0.002 4196  -0.0216*** (0.0056) [-0.0325, -0.0107] 0.0001 4007  -0.0033 (0.0044) [-0.0030, 0.0124] 0.2357 4367  -0.0033 (0.0044) [-0.0119, 0.0053] 0.4556 3992  0.0007 (0.0065) [-0.0119, 0.0134] 0.909 2836  0.0053 (0.0039) [-0.0024, 0.0130] 0.1741 4367  0.0004 (0.0045) [-0.0084, 0.0091] 0.9356 3992  0.0120 (0.0066) [-0.0084, 0.0091] 0.9356 3992  0.0120 (0.0066) [-0.0089, 0.0062] 0.724 4196  0.0013* (0.0045) [-0.0089, 0.0062] 0.724 4196  0.0013* (0.0045) [-0.0089, 0.0062] 0.724 4196  0.0013* (0.0045) [-0.0024, 0.0201] 0.0127 4007  0.0019 (0.0039) [-0.0057, 0.0096] 0.6256 4196	(0.0089) [-0.0420, -0.0071] 0.0058 28364 225842 -0.0037 (0.0054) [-0.0143, 0.0070] 0.5000 43678 598379 -0.0041 (0.0055) [-0.0149, 0.0068] 0.463 39926 478265 -0.0112 (0.0089) [-0.0286, 0.0062] 0.2065 28364 225842 -0.0136* (0.0054) [-0.0243, -0.0029] 0.0125 41968 382792 -0.0282*** (0.0056) [-0.0391, -0.0173] 0.0000 40074 319775 -0.0169*** (0.0055) -0.0216*** (0.0055) [-0.0276, -0.0062] 0.002 41968 382792 -0.0216*** (0.0056) [-0.0325, -0.0107] 0.0001 40074 319775  2. Any full payment  0.0047 (0.0039) [-0.0030, 0.0124] 0.2357 43678 598379 -0.0033 (0.0044) [-0.0119, 0.0053] 0.4556 39926 478265 0.0007 (0.0065) [-0.0119, 0.0134] 0.909 28364 225842 0.00053 (0.0039) [-0.0024, 0.0130] 0.1741 43678 598379 0.0004 (0.0045) [-0.0084, 0.0091] 0.9356 39926 478265 0.0120 (0.0066) [-0.0009, 0.0248] 0.0673 28364 225842 0.0013* (0.0045) [-0.0089, 0.0062] 0.724 41968 382792 0.0113* (0.0045) [-0.0089, 0.0062] 0.724 41968 382792 0.0113* (0.0045) [-0.0084, 0.0201] 0.0127 40074 319775 0.0019 (0.0039) [-0.0057, 0.0096] 0.6256 41968 382792 0.0017					

3. Any payment less than minimum payment									
Treatment	Lender	Estimate	95% Confidence Interval	P Value Cards	Degrees of Freedom	Adjusted R Squared			
Time To Repay	1	0.002 (0.0018)	[-0.0015, 0.0055]	0.2649 43678	598379	0.0286			
	2	0.0014 (0.0024)	[-0.0034, 0.0062]	0.5757 39926	478265	0.0554			
	3	0.0048 (0.0034)	[-0.0018, 0.0114]	0.1531 28364	225842	0.255			
Time+Cost To Repay	1	-0.0024 (0.0017)	[-0.0057, 0.0009]	0.1552 43678	598379	0.0286			
	2	-0.0009 (0.0024)	[-0.0056, 0.0038]	0.7014 39926	478265	0.0554			
	3	0.0007 (0.0033)	[-0.0057, 0.0071]	0.8313 28364	225842	0.255			
Reminder - Time To Repay	1	0.0016 (0.0018)	[-0.0019, 0.0051]	0.3645 41968	382792	0.0331			
	2	0.0013 (0.0024)	[-0.0035, 0.006]	0.5935 40074	319775	0.0487			
Reminder - Time+Cost To Repay	1	-0.0008 (0.0017)	[-0.0042, 0.0025]	0.6223 41968	382792	0.0331			
	2	-0.0012 (0.0024)	[-0.0059, 0.0035]	0.6087 40074	319775	0.0487			
	4. Sta	tement bala	nce net of payments	s (% statement ba	alance)				
Time To Repay	1	-0.0047 (0.004)	[-0.0124, 0.0031]	0.2408 43678	598379	0.0947			
	2	0.0016 (0.0043)	[-0.0068, 0.0101]	0.7028 39926	478265	0.0959			
	3	-0.0065 (0.0065)	[-0.0193, 0.0063]	0.3200 28364	225842	0.1772			
Time+Cost To Repay	1	-0.0024 (0.0039)	[-0.0101, 0.0054]	0.5458 43678	598379	0.0947			
	2	0.0001 (0.0044)	[-0.0084, 0.0087]	0.9772 39926	478265	0.0959			
	3	-0.0145* (0.0066)	[-0.0274, -0.0016]	0.0275 28364	225842	0.1772			
Reminder - Time To Repay	1	-0.0014 (0.0039)	[-0.0091, 0.0062]	0.7125 41968	382792	0.0878			
	2	-0.0126* * * (0.0044)	[-0.0212, -0.0039]	0.0045 40074	319775	0.0695			
Reminder - Time+Cost To Repay	1	-0.0014 (0.0039)	[-0.0091, 0.0064]	0.7299 41968	382792	0.0878			
	2	-0.0066 (0.0044)	[-0.0152, 0.002]	0.1312 40074	319775	0.0695			

<sup>\*\*\*</sup> P value < 0.005, \*\* < 0.01, \* < 0.05. OLS with controls and standard errors clustered at the card-level.

		5. 0	Costs (% statement	balance)		
Treatment	Lender	Estimate	95% Confidence Interval	P Value Cards	Degrees of Freedom	Adjusted F Squared
Time To Repay	1	-0.0002 (0.0014)	[-0.0031, 0.0026]	0.8818 43678	598379	0.0061
	2	0.0005 (0.0008)	[-0.0011, 0.0021]	0.5211 39926	478265	0.0092
	3	-0.0032 (0.0025)	[-0.0082, 0.0018]	0.2047 28364	225842	0.0147
Time+Cost To Repay	1	-0.0006 (0.0014)	[-0.0034, 0.0022]	0.6797 43678	598379	0.0061
	2	0.0003 (0.0008)	[-0.0013, 0.0019]	0.7318 39926	478265	0.0092
	3	0.0002 (0.0026)	[-0.005, 0.0054]	0.9346 28364	225842	0.0147
Reminder - Time To Repay	1	0.0007 (0.0015)	[-0.0022, 0.0035]	0.6533 41968	382792	0.0051
	2	-0.0004 (0.0008)	[-0.0019, 0.0011]	0.6019 40074	319775	0.0074
Reminder - Time+Cost To Repay	1	0.0014 (0.0015)	[-0.0016, 0.0043]	0.3556 41968	382792	0.0051
	2	0.0004 (0.0008)	[-0.0012, 0.002]	0.6321 40074	319775	0.0074
		6. Trai	nsactions (% statem	ent balance)		
Time To Repay	1	0.0032 (0.0031)	[-0.0029, 0.0093]	0.3087 43678	598379	0.1273
	2	-0.0008 (0.0026)	[-0.006, 0.0044]	0.7627 39926	478265	0.1192
	3	0.0054 (0.0037)	[-0.0018, 0.0127]	0.1414 28364	225842	0.122
Time+Cost To Repay	1	-0.0003 (0.0031)	[-0.0063, 0.0057]	0.9254 43678	598379	0.1273
	2	0.0035 (0.0027)	[-0.0018, 0.0088]	0.1976 39926	478265	0.1192
	3	0.0049 (0.0037)	[-0.0024, 0.0121]	0.1873 28364	225842	0.122
Reminder - Time To Repay	1	0.0002 (0.0031)	[-0.0058, 0.0062]	0.9434 41968	382792	0.1148
	2	0.0049 (0.0027)	[-0.0005, 0.0102]	0.0746 40074	319775	0.1049
Reminder - Time+Cost To Repay	1	0.0003 (0.0031)	[-0.0057, 0.0063]	0.928 41968	382792	0.1148
	2	0.0016 (0.0027)	[-0.0037, 0.0068]	0.5634 40074	319775	0.1049

<sup>\*\*\*</sup> P value < 0.005, \*\* < 0.01, \* < 0.05. OLS with controls and standard errors clustered at the card-level.

	7	. CRA share	of credit cards onl	y paying 1	minimu	m	
Treatment	Lender	Estimate	95% Confidence Interval	P Value	Cards	Degrees of Freedom	Adjusted R Squared
Time To Repay	1	-0.0100* * (0.0037)	[-0.0173, -0.0026]	0.0078	43678	598379	0.5331
	2	-0.0063 (0.0038)	[-0.0137, 0.0011]	0.0964	39926	478265	0.4969
	3	-0.0074 (0.0052)	[-0.0177, 0.0029]	0.1581	28364	225842	0.5015
Time+Cost To Repay	1	-0.0040 (0.0037)	[-0.0113, 0.0033]	0.2842	43678	598379	0.5331
	2	-0.0078* (0.0038)	[-0.0152, -0.0005]	0.0374	39926	478265	0.4969
	3	0.0008 (0.0053)	[-0.0096, 0.0111]	0.8844	28364	225842	0.5015
Reminder - Time To Repay	1	-0.0090* (0.0039)	[-0.0167, -0.0014]	0.0209	41968	382792	0.5551
	2	-0.0139* * * (0.0038)	[-0.0214, -0.0063]	0.0003	40074	319775	0.4896
Reminder - Time+Cost To Repay	1	-0.0098* (0.0039)	[-0.0174, -0.0022]	0.0117	41968	382792	0.5551
	2	-0.0137* * * (0.0038)	[-0.0213, -0.0062]	0.0003	40074	319775	0.4896
		8. CRA share	e of credit cards ma	king full	paymen	t	
Time To Repay	1	0.0016 (0.003)	[-0.0043, 0.0076]	0.5889	43678	598379	0.7414
	2	-0.0038 (0.0032)	[-0.0100, 0.0025]	0.2405	39926	478265	0.663
	3	-0.0025 (0.0048)	[-0.0119, 0.0070]	0.6100	28364	225842	0.5536
Time+Cost To Repay	1	0.0007 (0.003)	[-0.0051, 0.0066]	0.8035	43678	598379	0.7414
	2	0.0033 (0.0033)	[-0.0031, 0.0097]	0.3143	39926	478265	0.663
	3	-0.0028 (0.0048)	[-0.0123, 0.0067]	0.5677	28364	225842	0.5536
Reminder - Time To Repay	1	-0.0033 (0.0031)	[-0.0094, 0.0028]	0.2908	41968	382792	0.7604
	2	0.0054 (0.0033)	[-0.0011, 0.0118]	0.1045	40074	319775	0.6705
Reminder - Time+Cost To Repay	1	-0.0025 (0.0031)	[-0.0086, 0.0036]	0.4264	41968	382792	0.7604
	2	0.0016 (0.0033)	[-0.0048, 0.0081]	0.6175	40074	319775	0.6705

<sup>\*\*\*</sup> P value < 0.005, \*\* < 0.01, \* < 0.05. OLS with controls and standard errors clustered at the card-level.

9. CRA share of credit cards missing payment									
Treatment	Lender	Estimate	95% Confidence Interval	P Value Cards	Degrees of Freedom	Adjusted R Squared			
Time To Repay	1	0.0008 (0.0012)	[-0.0015, 0.0030]	0.5094 43678	598379	0.0962			
	2	0.0016 (0.0018)	[-0.0018, 0.0050]	0.3634 39926	478265	0.1513			
	3	0.0025 (0.0017)	[-0.0009, 0.0058]	0.1538 28364	225842	0.2354			
Time+Cost To Repay	1	-0.0010 (0.0011)	[-0.0031, 0.0012]	0.3832 43678	598379	0.0962			
	2	-0.0002 (0.0017)	[-0.0035, 0.0032]	0.9271 39926	478265	0.1513			
	3	0.0002 (0.0017)	[-0.0031, 0.0035]	0.8905 28364	225842	0.2354			
Reminder - Time To Repay	1	-0.0002 (0.0011)	[-0.0024, 0.0021]	0.8871 41968	382792	0.0654			
	2	0.0009 (0.0017)	[-0.0026, 0.0043]	0.6229 40074	319775	0.1174			
Reminder - Time+Cost To Repay	1	0.0012 (0.0012)	[-0.0012, 0.0035]	0.3308 41968	382792	0.0654			
	2	0.0004 (0.0017)	[-0.0030, 0.0038]	0.8052 40074	319775	0.1174			
10. CRA	total cred	lit card state	ement balances net	of payments (% s	statement balan	ices)			
Time To Repay	1	-0.0018 (0.003)	[-0.0077, 0.0041]	0.5422 43678	598379	0.7902			
	2	0.0043 (0.0032)	[-0.0019, 0.0106]	0.1734 39926	478265	0.6998			
	3	-0.0056 (0.0047)	[-0.0147, 0.0036]	0.2351 28364	225842	0.2909			
Time+Cost To Repay	1	0.0002 (0.003)	[-0.0056, 0.0060]	0.9419 43678	598379	0.7902			
	2	-0.0050 (0.0033)	[-0.0114, 0.0014]	0.1256 39926	478265	0.6998			
	3	-0.0062 (0.0047)	[-0.0154, 0.0029]	0.1829 28364	225842	0.2909			
Reminder - Time To Repay	1	0.0002 (0.003)	[-0.0058, 0.0061]	0.9520 41968	382792	0.8223			
	2	-0.0035 (0.0033)	[-0.0099, 0.0030]	0.2903 40074	319775	0.7301			
Reminder - Time+Cost To Repay	1	0.0023 (0.003)	[-0.0036, 0.0082]	0.4359 41968	382792	0.8223			
	2	-0.0042 (0.0033)	[-0.0106, 0.0022]	0.1989 40074	319775	0.7301			

<sup>\*\*\*</sup> P value < 0.005, \*\* < 0.01, \* < 0.05. OLS with controls and standard errors clustered at the card-level.

Table A3: Automatic minimum payment nudge – heterogeneous treatment effects on any minimum payment after nine completed statement cycles

Effect By	Levels	Treatment	Lender	Estimate	95% Confidence Interval	P Value
Balance Transfer	None	Time To Repay	1+2	-0.0082 (0.0044)	[-0.0168, 0.0003]	0.0593
Debt		Time+Cost To Repay	1+2	-0.0022 (0.0044)	[-0.0107, 0.0064]	0.6177
		Time To Repay	3	-0.0170 (0.0171)	[-0.0505, 0.0164]	0.3186
	Any	Time+Cost To Repay	3	-0.0036 (0.0170)	[-0.0370, 0.0298]	0.8331
		Time To Repay	1+2	-0.0300* (0.0120)	[-0.0534, -0.0065]	0.0122
		Time+Cost To Repay	1+2	-0.0274* (0.0121)	[-0.0511, -0.0037]	0.0237
		Time To Repay	3	-0.0266* (0.0118)	[-0.0498, -0.0034]	0.0245
		Time+Cost To Repay	3	-0.0036 (0.0117)	[-0.0265, 0.0193]	0.7554

<sup>\*\*\*</sup> P value < 0.005, \*\* < 0.01, \* < 0.05. OLS with controls and standard errors clustered at the card-level.

Effect By Levels Treatment Lender Estimate	95% Confidence Interval
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Credit Score Buckets (0=missing,1=low	0	Time To Repay	1+2	-0.0418 (0.0286)	[-0.098, 0.0143]
score,10=high score)		Time+Cost To Repay		-0.0239 (0.0290)	[-0.0808, 0.033]
	1	Time To Repay		-0.0256 (0.0132)	[-0.0514, 0.0002]
		Time+Cost To Repay		0.0019 (0.0135)	[-0.0246, 0.0284]
	2	Time To Repay		-0.0015 (0.0131)	[-0.0272, 0.0242]
		Time+Cost To Repay		-0.0077 (0.0129)	[-0.03300, 0.0176]
	3	Time To Repay		-0.0040 (0.0133)	[-0.0300, 0.0220]
		Time+Cost To Repay		0.0148 (0.0133)	[-0.0113, 0.0410]
	4	Time To Repay		-0.0436* * * (0.013)	[-0.0691, -0.0181]
		Time+Cost To Repay		0.0030 (0.0125)	[-0.0215, 0.0275]
	5	Time To Repay		0.0028 (0.0132)	[-0.0231, 0.0286]
		Time+Cost To Repay		-0.0079 (0.0134)	[-0.0342, 0.0183]
	6	Time To Repay		-0.0078 (0.013)	[-0.0333, 0.0176]
		Time+Cost To Repay		0.0104 (0.0128)	[-0.0147, 0.0355]
	7	Time To Repay		-0.0141 (0.013)	[-0.0395, 0.0113]
		Time+Cost To Repay		-0.0146 (0.0128)	[-0.0397, 0.0106]
	8	Time To Repay		0.0023 (0.0128)	[-0.0229, 0.0274]
		Time+Cost To Repay		-0.0100 (0.013)	[-0.0356, 0.0156]
	9	Time To Repay		-0.0057 (0.0129)	[-0.0311, 0.0197]
		Time+Cost To Repay		-0.0107 (0.0129)	[-0.0360, 0.0146]
	10	Time To Repay		-0.0003 (0.0136)	[-0.0270, 0.0264]
		Time+Cost To Repay		-0.026 (0.0137)	[-0.0528, 0.0009]

<sup>\*\*\*</sup> P value < 0.005, \*\* < 0.01, \* < 0.05. OLS with controls and standard errors clustered at the card-level.

Effect By	Levels	Treatment	Lender	Estimate	95% C.I.
Number Full Payments (0-12)	0	Time To Repay	1+2	-0.0133* * (0.0048)	[-0.0227, -0.0039]
		Time+Cost To Repay		-0.0079 (0.0048)	[-0.0173, 0.0014]
	1	Time To Repay		-0.0097 (0.0150)	[-0.0391, 0.0197]
		Time+Cost To Repay		0.0127 (0.0150)	[-0.0166, 0.042]
	2	Time To Repay		-0.0056 (0.0170)	[-0.039, 0.0278]
		Time+Cost To Repay		-0.0021 (0.0174)	[-0.0362, 0.032]
	3	Time To Repay		-0.0124 (0.0204)	[-0.0523, 0.0275]
		Time+Cost To Repay		-0.0032 (0.0201)	[-0.0426, 0.0363]
	4	Time To Repay		0.0209 (0.0241)	[-0.0262, 0.0681]
		Time+Cost To Repay		0.0388 (0.0236)	[-0.0074, 0.0849]
	5	Time To Repay		0.0029 (0.0247)	[-0.0455, 0.0513]
		Time+Cost To Repay		-0.0147 (0.0251)	[-0.0638, 0.0345]
	6	Time To Repay		-0.0231 (0.0289)	[-0.0797, 0.0336]
		Time+Cost To Repay		-0.0277 (0.0295)	[-0.0855, 0.0301]
	7	Time To Repay		-0.0230 (0.0318)	[-0.0853, 0.0392]
		Time+Cost To Repay		-0.0268 (0.0316)	[-0.0887, 0.0352]
	8	Time To Repay		-0.0298 (0.0523)	[-0.1324, 0.0728]
		Time+Cost To Repay		-0.0692 (0.0514)	[-0.1700, 0.0316]
	9	Time To Repay		0.0456 (0.0628)	[-0.0775, 0.1686]
		Time+Cost To Repay		-0.0304 (0.0615)	[-0.151, 0.0902]
	10	Time To Repay		-0.2068 (0.2273)	[-0.6524, 0.2388]
		Time+Cost To Repay		-0.3280* (0.1620)	[-0.6455, -0.0106]
	11	Time To Repay		-0.4270 (0.2764)	[-0.9688, 0.1148]
		Time+Cost To Repay		-0.4453 (0.2763)	[-0.9868, 0.0962]

Effect By	Levels	Treatment	Lender	Estimate	95% Confidence Interval
Number Minimum Payments (0-12)	0	Time To Repay	1+2	-0.0105 (0.0140)	[-0.0379, 0.0169]
		Time+Cost To Repay		0.0042 (0.0139)	[-0.0231, 0.0315]
	1	Time To Repay		0.0000 (0.0220)	[-0.0432, 0.0431]
		Time+Cost To Repay		-0.0354 (0.0216)	[-0.0777, 0.007]
	2	Time To Repay		-0.0233 (0.0237)	[-0.0698, 0.0231]
		Time+Cost To Repay		-0.0155 (0.0231)	[-0.0607, 0.0298]
	3	Time To Repay		-0.0287 (0.0232)	[-0.0742, 0.0169]
		Time+Cost To Repay		-0.0445 (0.0229)	[-0.0894, 0.0003]
	4	Time To Repay		-0.0232 (0.0225)	[-0.0673, 0.021]
		Time+Cost To Repay		-0.0209 (0.0224)	[-0.0648, 0.023]
	5	Time To Repay		0.0106 (0.0204)	[-0.0293, 0.0505]
		Time+Cost To Repay		0.0464* (0.0205)	[0.0062, 0.0866]
	6	Time To Repay		-0.0097 (0.0195)	[-0.0479, 0.0285]
		Time+Cost To Repay		0.0038 (0.0195)	[-0.0344, 0.0421]
	7	Time To Repay		-0.0256 (0.0187)	[-0.0623, 0.0111]
		Time+Cost To Repay		-0.0207 (0.0188)	[-0.0576, 0.0162]
	8	Time To Repay		0.0021 (0.0177)	[-0.0327, 0.0368]
		Time+Cost To Repay		0.0101 (0.0179)	[-0.0249, 0.0451]
	9	Time To Repay		-0.0138 (0.0155)	[-0.0442, 0.0166]
		Time+Cost To Repay		0.0110 (0.0156)	[-0.0196, 0.0417]
	10	Time To Repay		-0.0045 (0.0137)	[-0.0313, 0.0223]
		Time+Cost To Repay		0.0192 (0.0136)	[-0.0074, 0.0457]
	11	Time To Repay		-0.0112 (0.0104)	[-0.0316, 0.0092]

	Time+Cost To Repay	-0.0187 (0.0106)	[-0.0395, 0.002]
12	Time To Repay	-0.0129* (0.0061)	[-0.0248, -0.001]
	Time+Cost To Repay	-0.0087 (0.0060)	[-0.0204, 0.0031]

<sup>\*\*\*</sup> P value < 0.005, \*\* < 0.01, \* < 0.05. OLS with controls and standard errors clustered at the card-level. Zero observations for 12 full payments

Table A4: Automatic minimum payment nudge – heterogeneous treatment effects on outstanding debt net of payments after nine completed statement cycles

Effect By	Levels	Treatment	Lender	Estimate	95% Confidence Interval	P Value
Balance Transfer Debt	None	Time To Repay	1+2	-6.12 (23.97)	[-53.10, 40.86]	0.7986
		Time+Cost To Repay	1+2	-9.51 (23.64)	[-55.84, 36.82]	0.6873
		Time To Repay	3	-109.32 (117.67)	[-339.95, 121.31]	0.3529
		Time+Cost To Repay	3	5.65 (115.79)	[-221.29, 232.59]	0.9611
	Any	Time To Repay	1+2	-90.37 (73.07)	[-233.58, 52.85]	0.2162
		Time+Cost To Repay	1+2	-60.40 (76.72)	[-210.77, 89.97]	0.4311
		Time To Repay	3	-92.77 (77.60)	[-244.86, 59.32]	0.2319
		Time+Cost To Repay	3	-112.52 (77.74)	[-264.9, 39.85]	0.1478

<sup>\*\*\*</sup> P value < 0.005, \*\* < 0.01, \* < 0.05. OLS with controls and standard errors clustered at the card-level.

Effect By	Levels	Treatment	Lender	Estimate	95% Confidence Interval	
Credit Score Buckets	0	Time To Repay	1+2	-437.39* (185.11)	[-800.21, -74.57]	
(0=missing,1=low score,10=high score)		Time+Cost To Repay		-89.16 (188.63)	[-458.88, 280.56]	
	1	Time To Repay		-2.40 (48.33)	[-97.13, 92.32]	
		Time+Cost To Repay		90.79 (48.55)	[-4.37, 185.94]	
	2	Time To Repay		-20.22 (53.45)	[-124.97, 84.53]	
		Time+Cost To Repay		-40.87 (52.89)	[-144.54, 62.80]	
	3	Time To Repay		-5.17 (63.68)	[-129.98, 119.64]	
		Time+Cost To Repay		89.01 (62.91)	[-34.30, 212.32]	
	5	4	Time To Repay		26.91 (69.43)	[-109.18, 162.99]
		Time+Cost To Repay		1.41 (66.48)	[-128.89, 131.7]	
		Time To Repay		64.99 (78.03)	[-87.96, 217.94]	
		Time+Cost To Repay		-112.21 (80.27)	[-269.53, 45.12]	
	6	Time To Repay		-8.89 (84.34)	[-174.19, 156.41]	
		Time+Cost To Repay		-20.78 (82.22)	[-181.93, 140.36]	
	7	Time To Repay		-23.93 (86.90)	[-194.26, 146.4]	
	Time+Cost To Repay		-64.42 (85.23)	[-231.47, 102.63]		
	8	Time To Repay		-33.72 (82.89)	[-196.18, 128.74]	
		Time+Cost To Repay		-4.45 (83.10)	[-167.32, 158.43]	
	9	Time To Repay		3.14 (78.20)	[-150.13, 156.40]	
		Time+Cost To Repay		75.88 (79.21)	[-79.36, 231.13]	
	10	Time To Repay		-65.53 (71.03)	[-204.75, 73.69]	
		Time+Cost To Repay		-156.95* (69.92)	[-293.99, -19.90]	

Effect By	Levels	Treatment	Lender	Estimate	95% C.I.
Number Full Payments (0-12)	0	Time To Repay	1+2	-3.22 (27.95)	[-58.01, 51.57]
		Time+Cost To Repay		-30.64 (27.69)	[-84.90, 23.63]
	1	Time To Repay		-9.62 (79.93)	[-166.29, 147.05]
		Time+Cost To Repay		-74.37 (82.67)	[-236.40, 87.66]
	2	Time To Repay		-81.87 (86.71)	[-251.84, 88.09]
		Time+Cost To Repay		8.63 (88.93)	[-165.67, 182.92]
	3	Time To Repay		-15.15 (102.07)	[-215.20, 184.91]
		Time+Cost To Repay		191.71* (97.74)	[0.150, 383.28]
	4	Time To Repay		-166.65 (112.45)	[-387.05, 53.74]
		Time+Cost To Repay		58.02 (106.19)	[-150.10, 266.15]
	5	Time To Repay		42.14 (111.18)	[-175.78, 260.06]
		Time+Cost To Repay		-80.78 (111.79)	[-299.89, 138.33]
	6	Time To Repay		-206.25 (131.96)	[-464.89, 52.39]
		Time+Cost To Repay		53.32 (135.92)	[-213.09, 319.73]
	7	Time To Repay		-9.48 (137.66)	[-279.29, 260.33]
		Time+Cost To Repay		14.16 (132.24)	[-245.03, 273.36]
	8	Time To Repay		20.46 (243.45)	[-456.7, 497.61]
		Time+Cost To Repay		273.60 (243.45)	[-203.56, 750.76]
	9	Time To Repay		7.78 (273.00)	[-527.3, 542.87]
		Time+Cost To Repay		-332.51 (300.02)	[-920.55, 255.53]
	10	Time To Repay		-2387.27* * * (567.41)	[-3499.40, -1275.14]
		Time+Cost To Repay		-227.98 (781.25)	[-1759.23, 1303.27]
	11	Time To Repay		788.47* (375.71)	[52.07, 1524.86]

Time+Cost To -485.36 Repay (376.53) [-1223.36, 252.63]

		Repay		(376.53)	[-1223.30, 232.03]	
Effect By	Levels	Treatment	Lender	Estimate	95% Confidence Interval	P Value
Number Minimum Payments (0-12)	0	Time To Repay	1+2	10.39 (93.43)	[-172.74, 193.51]	0.9115
		Time+Cost To Repay		-106.03 (86.17)	[-274.92, 62.86]	0.2185
	1	Time To Repay		-85.46 (111.73)	[-304.46, 133.53]	0.4443
		Time+Cost To Repay		17.21 (108.46)	[-195.37, 229.79]	0.8739
	2	Time To Repay		-369.60* * * (112.64)	[-590.38, -148.83]	0.0010
		Time+Cost To Repay		-272.09* (113.13)	[-493.83, -50.36]	0.0162
	3	Time To Repay		-117.35 (109.72)	[-332.39, 97.69]	0.2848
		Time+Cost To Repay		-74.28 (111.04)	[-291.93, 143.37]	0.5036
	4	Time To Repay		-131.87 (104.31)	[-336.31, 72.57]	0.2061
		Time+Cost To Repay		10.05 (108.81)	[-203.21, 223.32]	0.9264
	5	Time To Repay		161.23 (100.68)	[-36.10, 358.57]	0.1093
		Time+Cost To Repay		129.4 (101.46)	[-69.47, 328.27]	0.2022
	6	Time To Repay		-88.74 (96.33)	[-277.55, 100.07]	0.3569
		Time+Cost To Repay		98.07 (94.04)	[-86.24, 282.38]	0.2970
	7	Time To Repay		19.90 (95.10)	[-166.51, 206.3]	0.8343
		Time+Cost To Repay		9.31 (101.95)	[-190.51, 209.13]	0.9272
	8	Time To Repay		32.98 (98.45)	[-159.99, 225.95]	0.7376
		Time+Cost To Repay		70.25 (95.73)	[-117.38, 257.87]	0.4631
	9	Time To Repay		7.22 (88.36)	[-165.98, 180.41]	0.9349
		Time+Cost To Repay		54.22 (89.68)	[-121.56, 229.99]	0.5455
	10	Time To Repay		62.89 (83.45)	[-100.68, 226.45]	0.4511
		Time+Cost To Repay		77.33 (83.67)	[-86.66, 241.32]	0.3554

11	Time To Repay	83.21 (68.92)	[-51.87, 218.29]	0.2273
	Time+Cost To Repay	-16.47 (70.03)	[-153.72, 120.79]	0.8141
12	Time To Repay	-52.24 (40.07)	[-130.79, 26.30]	0.1924
	Time+Cost To Repay	-69.86 (39.19)	[-146.67, 6.95]	0.0746

<sup>\*\*\*</sup> P value < 0.005, \*\* < 0.01, \* < 0.05. OLS with controls and standard errors clustered at the card-level. Zero observations for 12 full payments.

 $Table \ A5: \ Statement \ disclosure \ - \ treatment \ effects \ on \ selected \ secondary \ outcomes \ after \ six \ completed \ statement \ cycles$ 

Outcome	Treatment	Estimate	95% Confidence Interval	P Value	Adjusted R Squared
Statement balance net of payments	Time To Repay	18.6531 (34.9523)	[-49.8535, 87.1596]	0.5936	0.6467
	Time+Cost To Repay	-0.6055 (34.482)	[-68.1902, 66.9792]	0.986	0.6467
Cumulative costs across statements	Time To Repay	0.6142 (1.359)	[-2.0494, 3.2778]	0.6513	0.7542
	Time+Cost To Repay	0.7022 (1.338)	[-1.9204, 3.3247]	0.5997	0.7542
Cumulative payments across statements	Time To Repay	-21.1282 (24.0342)	[-68.2353, 25.9788]	0.3794	0.5879
	Time+Cost To Repay	-21.5765 (24.153)	[-68.9163, 25.7634]	0.3717	0.5879

Degrees of Freedom 254,104. \*\*\* P value < 0.005, \*\* < 0.01, \* < 0.05. OLS with controls and standard errors clustered at the card-level.

Table A6: Statement disclosure – unconditional mean comparison of treatment effects on outcomes after six completed statement cycles

Outcome	Treatment	Mean (Control)	Mean (Treatment)	Mean Difference (Treatment- Control)	Percentage Difference Relative to Control	CI Lower (Treatment- Control)	CI Upper (Treatment- Control)	P Value	T Statistic
Any minimum payment	Time To Repay	0.160	0.163	0.0028	1.740	-0.008	0.014	0.623	0.491
	Time+Cost To Repay	0.160	0.154	-0.0059	-3.660	-0.017	0.005	0.296	1.044
Any full payment	Time To Repay	0.178	0.170	-0.0084	-4.710	-0.020	0.003	0.151	1.438
	Time+Cost To Repay	0.178	0.181	0.0025	1.420	-0.009	0.014	0.669	0.428
Any payment less than minimum payment	Time To Repay	0.059	0.060	0.0011	1.830	-0.006	0.008	0.767	0.297
	Time+Cost To Repay	0.059	0.060	0.0011	1.910	-0.006	0.008	0.758	0.308
Statement balance net of payments (% statement balance)	Time To Repay	0.750	0.758	0.0082	1.090	-0.003	0.020	0.158	1.413
	Time+Cost To Repay	0.750	0.750	0.0002	0.020	-0.011	0.012	0.976	0.030
Costs (% statement balance)	Time To Repay	0.024	0.022	-0.0013	-5.690	-0.005	0.002	0.468	0.726
	Time+Cost To Repay	0.024	0.024	0.0005	2.320	-0.003	0.004	0.775	0.286
Transactions (% statement balance)	Time To Repay	0.087	0.094	0.0064	7.380	-0.001	0.014	0.083	1.736
	Time+Cost To Repay	0.087	0.086	-0.0013	-1.480	-0.008	0.006	0.723	0.354
CRA share of credit cards only paying minimum	Time To Repay	0.130	0.129	-0.0015	-1.180	-0.009	0.006	0.672	0.423
	Time+Cost To Repay	0.130	0.127	-0.0034	-2.590	-0.010	0.004	0.355	0.925

Outcome	Treatment	Mean (Control)	Mean (Treatment)	Mean Difference (Treatment- Control)	Percentage Difference Relative to Control	CI Lower (Treatment- Control)	CI Upper (Treatment- Control)	P Value	T Statistic
CRA share of credit cards making full payment	Time To Repay	0.390	0.387	-0.003	-0.780	-0.012	0.006	0.524	0.638
5	Time+Cost To Repay	0.390	0.389	-0.0014	-0.360	-0.011	0.008	0.772	0.290
CRA share of credit cards missing payment	Time To Repay	0.010	0.012	0.0018	17.970	-0.0005	0.004	0.123	1.544
	Time+Cost To Repay	0.010	0.010	0.0001	0.680	-0.002	0.002	0.950	0.062
CRA total credit card statement balances net of payments (% statement balances)	Time To Repay	0.808	0.812	0.004	0.490	-0.005	0.013	0.366	0.904
	Time+Cost To Repay	0.808	0.813	0.0055	0.680	-0.003	0.014	0.213	1.245
Statement balance net of payments	Time To Repay	3,072.600	3,100.508	27.9079	0.910	-77.636	133.452	0.604	0.518
	Time+Cost To Repay	3,072.600	3,081.846	9.2457	0.300	-96.694	115.185	0.864	0.171
Cumulative costs across statements	Time To Repay	161.453	167.762	6.3088	3.910	-2.202	14.819	0.146	1.453
	Time+Cost To Repay	161.453	162.487	1.0334	0.640	-7.365	9.432	0.809	0.241
Cumulative payments across statements	Time To Repay	1,805.397	1,767.665	-37.7326	-2.090	-115.161	39.696	0.340	0.955
	Time+Cost To Repay	1,805.397	1,766.893	-38.5037	-2.130	-115.923	38.916	0.330	0.975

N (Control) = 7,251. N (Time To Repay) = 7,465, N (Time+Cost To Repay) = 7,365. \*\*\* P value < 0.005, \*\* < 0.01, \* < 0.05.

Table A7: Automatic payment nudge – unconditional mean comparison of treatment effects on outcomes after nine completed statement cycles

Outcome	Treatment	Lender	Mean (Control)	Mean (Treatment)	Mean Difference (Treatment- Control)	Percentage Difference Relative to Control	CI Lower (Treatment- Control)	CI Upper (Treatment- Control)	P Value	T Statistic
Any minimum payment	Time To Repay	1	0.653	0.636	-0.0174* * *	-2.670	-0.029	-0.006	0.003	2.958
		2	0.630	0.626	-0.0032	-0.500	-0.015	0.008	0.593	0.535
		3	0.717	0.697	-0.0201*	-2.800	-0.036	-0.005	0.011	2.536
	Time+Cost To Repay	1	0.653	0.648	-0.0060	-0.920	-0.018	0.006	0.308	1.020
		2	0.630	0.625	-0.0043	-0.680	-0.016	0.007	0.469	0.725
		3	0.717	0.712	-0.0049	-0.680	-0.020	0.010	0.532	0.625
	Reminder - Time To Repay	1	0.653	0.638	-0.0156* *	-2.380	-0.027	-0.004	0.008	2.643
		2	0.630	0.601	-0.0287* * *	-4.550	-0.040	-0.017	0	4.804
	Reminder - Time+Cost To Repay		0.653	0.634	-0.0196* * *	-3.000	-0.031	-0.008	0.001	3.323
	TT: TT	2	0.630	0.606	-0.0232* * *	-3.690	-0.035	-0.012	0.0001	3.901
Any full payment	Time To Repay	1	0.122	0.126	0.0047	3.900	-0.003	0.013	0.243	1.168
		2	0.163	0.157	-0.006	-3.670	-0.015	0.003	0.182	1.335
		3	0.103	0.105	0.0023	2.250	-0.008	0.013	0.663	0.436
	Time+Cost To Repay	1	0.122	0.127	0.0053	4.360	-0.003	0.013	0.192	1.304
		2	0.163	0.163	0.0007	0.410	-0.008	0.010	0.883	0.148
		3	0.103	0.113	0.0096	9.320	-0.001	0.020	0.075	1.780

Outcome	Treatment	Lender	Mean (Control)	Mean (Treatment)	Mean Difference (Treatment- Control)	Percentage Difference Relative to Control	CI Lower (Treatment- Control)	CI Upper (Treatment- Control)	P Value	T Statistic
	Reminder - Time To Repay	1	0.122	0.120	-0.0014	-1.170	-0.009	0.006	0.722	0.356
	порау	2	0.163	0.174	0.0109*	6.720	0.002	0.020	0.017	2.378
	Reminder - Time+Cost To Repay	1	0.122	0.122	0.0003	0.260	-0.008	0.008	0.937	0.079
	1 2	2	0.163	0.168	0.0050	3.080	-0.004	0.014	0.271	1.101
Any payment less than minimum payment	Time To Repay	1	0.021	0.023	0.0018	8.640	-0.002	0.005	0.312	1.011
		2	0.042	0.044	0.002	4.750	-0.003	0.007	0.426	0.796
		3	0.026	0.028	0.0025	9.630	-0.003	0.008	0.378	0.882
	Time+Cost To Repay	1	0.021	0.019	-0.0027	-12.600	-0.006	0.001	0.114	1.582
		2	0.042	0.040	-0.0017	-4.010	-0.006	0.003	0.490	0.691
		3	0.026	0.025	-0.0009	-3.510	-0.006	0.004	0.740	0.332
	Reminder - Time To Repay	1	0.021	0.023	0.0013	5.900	-0.002	0.005	0.486	0.696
		2	0.042	0.042	0.0006	1.490	-0.004	0.005	0.800	0.253
	Reminder - Time+Cost To Repay	1	0.021	0.020	-0.0014	-6.430	-0.005	0.002	0.429	0.791
	1 2	2	0.042	0.041	-0.0009	-2.230	-0.006	0.004	0.702	0.383
Statement balance net of payments (% statement balance)	Time To Repay	1	0.816	0.811	-0.0049	-0.610	-0.013	0.003	0.235	1.188
,		2	0.783	0.788	0.005	0.640	-0.004	0.014	0.260	1.127
		3	0.856	0.850	-0.0061	-0.710	-0.017	0.004	0.260	1.127

Outcome	Treatment	Lender	Mean (Control)	Mean (Treatment)	Mean Difference (Treatment- Control)	Percentage Difference Relative to Control	CI Lower (Treatment- Control)	CI Upper (Treatment- Control)	P Value	T Statistic
	Time+Cost To Repay	1	0.816	0.813	-0.0029	-0.360	-0.011	0.005	0.483	0.702
		2	0.783	0.783	-0.0001	-0.010	-0.009	0.009	0.981	0.024
		3	0.856	0.846	-0.0101	-1.180	-0.021	0.001	0.064	1.851
	Reminder - Time To Repay	1	0.816	0.814	-0.0014	-0.170	-0.010	0.007	0.730	0.345
		2	0.783	0.770	-0.0132* * *	-1.690	-0.022	-0.004	0.004	2.912
	Reminder - Time+Cost To Repay	1	0.816	0.816	-0.0002	-0.030	-0.008	0.008	0.960	0.050
		2	0.783	0.776	-0.0075	-0.960	-0.016	0.001	0.095	1.670
Costs (% statement balance)	Time To Repay	1	0.028	0.028	-0.0003	-1.010	-0.003	0.003	0.846	0.194
		2	0.020	0.020	0.0005	2.470	-0.001	0.002	0.550	0.597
		3	0.023	0.020	-0.0029	-12.610	-0.007	0.001	0.156	1.418
	Time+Cost To Repay	1	0.028	0.027	-0.0006	-1.980	-0.003	0.002	0.701	0.384
		2	0.020	0.020	0.0003	1.310	-0.001	0.002	0.748	0.321
		3	0.023	0.023	-0.0004	-1.800	-0.005	0.004	0.846	0.194
	Reminder - Time To Repay	1	0.028	0.028	0.0006	2.040	-0.002	0.004	0.699	0.387
	пораз	2	0.020	0.020	-0.0004	-2.010	-0.002	0.001	0.608	0.512
	Reminder -	2	0.020	0.020	0.0001	2.010	0.002	0.001	0.000	0.012
	Time+Cost To Repay	1	0.028	0.029	0.0011	4.050	-0.002	0.004	0.450	0.756
		2	0.020	0.020	0.0004	2.070	-0.001	0.002	0.611	0.509

Outcome	Treatment	Lender	Mean (Control)	Mean (Treatment)	Mean Difference (Treatment- Control)	Percentage Difference Relative to Control	CI Lower (Treatment- Control)	CI Upper (Treatment- Control)	P Value	T Statistic
Transactions (% statement balance)	Time To Repay	1	0.114	0.117	0.0029	2.570	-0.004	0.009	0.374	0.889
		2	0.094	0.091	-0.0029	-3.060	-0.008	0.003	0.304	1.028
		3	0.047	0.050	0.0036	7.770	-0.002	0.010	0.239	1.178
	Time+Cost To Repay	1	0.114	0.114	0.0003	0.230	-0.006	0.007	0.936	0.080
		2	0.094	0.096	0.0025	2.720	-0.003	0.008	0.372	0.893
		3	0.047	0.050	0.0027	5.850	-0.003	0.009	0.372	0.893
	Reminder - Time To Repay	1	0.114	0.115	0.0007	0.640	-0.006	0.007	0.822	0.225
		2	0.094	0.099	0.0049	5.180	-0.001	0.010	0.090	1.694
	Reminder - Time+Cost To Repay	1	0.114	0.114	-0.0004	-0.310	-0.007	0.006	0.913	0.109
		2	0.094	0.096	0.0027	2.830	-0.003	0.008	0.351	0.932
CRA share of credit cards only paying minimum	Time To Repay	1	0.450	0.439	-0.0103*	-2.280	-0.019	-0.001	0.023	2.273
		2	0.438	0.433	-0.0046	-1.050	-0.013	0.004	0.302	1.032
		3	0.418	0.411	-0.0071	-1.700	-0.018	0.004	0.188	1.318
	Time+Cost To Repay	1	0.450	0.445	-0.0042	-0.930	-0.013	0.005	0.355	0.924
		2	0.438	0.430	-0.008	-1.830	-0.017	0.001	0.070	1.811
		3	0.418	0.418	0	0	-0.010	0.010	0.999	0.002
	Reminder - Time To Repay	1	0.450	0.441	-0.0088	-1.950	-0.018	0.0001	0.053	1.935
	1 2	2	0.438	0.423	-0.0149* * *	-3.410	-0.024	-0.006	0.001	3.366

Outcome	Treatment	Lender	Mean (Control)	Mean (Treatment)	Mean Difference (Treatment- Control)	Percentage Difference Relative to Control	CI Lower (Treatment- Control)	CI Upper (Treatment- Control)	P Value	T Statistic
	Reminder - Time+Cost To Repay	1	0.450	0.442	-0.0079	-1.750	-0.017	0.001	0.080	1.752
		2	0.438	0.421	-0.0163* * *	-3.730	-0.025	-0.008	0.0002	3.687
CRA share of credit cards making full payment	Time To Repay	1	0.316	0.317	0.0012	0.390	-0.007	0.009	0.761	0.304
		2	0.301	0.297	-0.0038	-1.280	-0.012	0.004	0.327	0.979
		3	0.366	0.365	-0.0013	-0.350	-0.011	0.009	0.807	0.245
	Time+Cost To Repay	1	0.316	0.316	0.0005	0.170	-0.007	0.008	0.895	0.132
		2	0.301	0.304	0.0037	1.220	-0.004	0.012	0.359	0.917
		3	0.366	0.364	-0.0013	-0.370	-0.011	0.009	0.794	0.262
	Reminder - Time To Repay	1	0.316	0.312	-0.0036	-1.130	-0.012	0.004	0.380	0.879
		2	0.301	0.308	0.0068	2.250	-0.001	0.015	0.088	1.706
	Reminder - Time+Cost To Repay	1	0.316	0.311	-0.0052	-1.640	-0.013	0.003	0.198	1.286
		2	0.301	0.303	0.0025	0.830	-0.005	0.010	0.532	0.625
CRA share of credit cards missing payment	Time To Repay	1	0.017	0.017	0.0005	2.870	-0.002	0.003	0.692	0.396
		2	0.036	0.038	0.0013	3.690	-0.002	0.005	0.475	0.714
		3	0.012	0.014	0.0017	14.400	-0.001	0.005	0.232	1.195
	Time+Cost To Repay	1	0.017	0.016	-0.0012	-6.900	-0.004	0.001	0.321	0.992
		2 3	0.036 0.012	0.036 0.013	-0.0009 0.0005	-2.590 4.540	-0.005 -0.002	0.003 0.003	0.609 0.699	0.511 0.387

Outcome	Treatment	Lender	Mean (Control)	Mean (Treatment)	Mean Difference (Treatment- Control)	Percentage Difference Relative to Control	CI Lower (Treatment- Control)	CI Upper (Treatment- Control)	P Value	T Statistic
	Reminder -									
	Time To Repay	1	0.017	0.017	-0.0002	-1.060	-0.002	0.002	0.879	0.152
		2	0.036	0.037	0.0006	1.560	-0.003	0.004	0.758	0.308
	Reminder -	1	0.017	0.010	0.001	5 970	0.001	0.002	0.422	0.001
	Time+Cost To Repay	1	0.017	0.018	0.001	5.870	-0.001	0.003	0.423	0.801
		2	0.036	0.037	0.0002	0.630	-0.003	0.004	0.902	0.123
CRA total credit card tatement balances net of payments (% statement balances)	Time To Repay	1	0.819	0.816	-0.003	-0.360	-0.010	0.004	0.438	0.776
		2	0.840	0.844	0.0036	0.430	-0.004	0.011	0.321	0.992
		3	0.864	0.858	-0.0063	-0.730	-0.015	0.002	0.158	1.413
	Time+Cost To Repay	1	0.819	0.821	0.0015	0.190	-0.006	0.009	0.687	0.403
		2	0.840	0.833	-0.0067	-0.790	-0.014	0.001	0.071	1.805
		3	0.864	0.858	-0.0056	-0.650	-0.014	0.003	0.205	1.268
	Reminder - Time To Repay	1	0.819	0.820	0.001	0.120	-0.006	0.008	0.791	0.265
		2	0.840	0.834	-0.0057	-0.680	-0.013	0.002	0.122	1.545
	Reminder - Time+Cost To Repay	1	0.819	0.825	0.0058	0.710	-0.002	0.013	0.120	1.557
	1 2	2	0.840	0.835	-0.0049	-0.580	-0.012	0.002	0.184	1.327
ny automatic payment set- up	Time To Repay	1	0.949	0.945	-0.004	-0.420	-0.009	0.001	0.151	1.437
-		2	0.885	0.882	-0.0038	-0.420	-0.012	0.004	0.341	0.952
		3	0.950	0.944	-0.0067	-0.700	-0.014	0.001	0.088	1.709

Outcome	Treatment	Lender	Mean (Control)	Mean (Treatment)	Mean Difference (Treatment- Control)	Percentage Difference Relative to Control	CI Lower (Treatment- Control)	CI Upper (Treatment- Control)	P Value	T Statistic
	Time+Cost To Repay	1	0.949	0.954	0.0046	0.480	-0.001	0.010	0.080	1.749
		2	0.885	0.888	0.0029	0.330	-0.005	0.010	0.453	0.750
		3	0.950	0.943	-0.0075	-0.790	-0.015	0.0001	0.054	1.924
	Reminder - Time To Repay	1	0.949	0.952	0.0032	0.340	-0.002	0.008	0.230	1.200
		2	0.885	0.881	-0.0046	-0.520	-0.012	0.003	0.239	1.177
	Reminder - Time+Cost To Repay	1	0.949	0.951	0.0021	0.220	-0.003	0.007	0.432	0.787
		2	0.885	0.880	-0.0051	-0.570	-0.013	0.003	0.198	1.286
Any automatic full payment set-up	Time To Repay	1	0.006	0.007	0.0011	19.270	-0.001	0.003	0.253	1.142
		2	0.006	0.006	-0.0003	-4.480	-0.002	0.002	0.768	0.295
		3	0.006	0.005	-0.0013	-21.620	-0.004	0.001	0.309	1.017
	Time+Cost To Repay	1	0.006	0.006	0.0004	7.480	-0.002	0.002	0.646	0.459
		2	0.006	0.007	0.0003	5.220	-0.002	0.002	0.739	0.333
		3	0.006	0.006	-0.0001	-1.190	-0.003	0.002	0.958	0.053
	Reminder - Time To Repay	1	0.006	0.007	0.0013	21.100	-0.001	0.003	0.214	1.244
	Reminder -	2	0.006	0.006	-0.0004	-6.630	-0.002	0.001	0.659	0.441
	Time+Cost To Repay	1	0.006	0.006	0.0005	8.630	-0.001	0.002	0.597	0.529
	1 2	2	0.006	0.008	0.0016	24.850	-0.0005	0.004	0.134	1.499

Outcome	Treatment	Lender	Mean (Control)	Mean (Treatment)	Mean Difference (Treatment- Control)	Percentage Difference Relative to Control	CI Lower (Treatment- Control)	CI Upper (Treatment- Control)	P Value	T Statistic
Any automatic fixed payment set-up	Time To Repay	1	0.032	0.044	0.0118* * *	37.170	0.007	0.016	0	4.913
		2	0.041	0.054	0.0132* * *	32.180	0.008	0.018	0	4.943
		3	0.097	0.114	0.0165* * *	17	0.006	0.027	0.002	3.094
	Time+Cost To Repay	1	0.032	0.045	0.0134* * *	42.150	0.009	0.018	0	5.499
		2	0.041	0.051	0.0105* * *	25.740	0.005	0.016	0.0001	4.019
		3	0.097	0.098	0.0013	1.290	-0.009	0.011	0.808	0.243
	Reminder - Time To Repay	1	0.032	0.049	0.0175* * *	55.270	0.013	0.022	0	6.989
		2	0.041	0.062	0.0213* * *	52.110	0.016	0.027	0	7.642
	Reminder - Time+Cost To Repay	1	0.032	0.045	0.0133* * *	42.070	0.009	0.018	0	5.500
		2	0.041	0.063	0.022* * *	53.850	0.016	0.028	0	7.869
Any automatic fixed payment set-up for greater han contractual minimum payment that statement	Time To Repay	1	0.029	0.040	0.0111***	38.050	0.007	0.016	0	4.810
		2	0.034	0.044	0.0094* * *	27.580	0.005	0.014	0.0001	3.903
		3	0.090	0.105	0.0154* * *	17.120	0.005	0.026	0.003	2.986
	Time+Cost To Repay	1	0.029	0.042	0.0126* * *	43.090	0.008	0.017	0	5.376
1 7		2	0.034	0.041	0.0064* *	18.650	0.002	0.011	0.007	2.704
	3	0.090	0.090	0.0003	0.320	-0.010	0.010	0.954	0.057	
	Reminder - Time To Repay	1	0.029	0.045	0.0156* * *	53.510	0.011	0.020	0	6.510
	1 2	2	0.034	0.053	0.0188* * *	55.090	0.014	0.024	0	7.301

Treatment	Lender	Mean (Control)	Mean (Treatment)	Mean Difference (Treatment- Control)	Percentage Difference Relative to Control	CI Lower (Treatment- Control)	CI Upper (Treatment- Control)	P Value	T Statistic
Reminder - Time+Cost To Repay	1	0.029	0.042	0.0131* * *	44.790	0.008	0.018	0	5.575
	2	0.034	0.054	0.0203* * *	59.240	0.015	0.025	0	7.782
Time To Repay	1	0.911	0.893	-0.0175* * *	-1.930	-0.025	-0.010	0	4.730
	2	0.838	0.822	-0.0166* * *	-1.980	-0.026	-0.008	0.0003	3.589
	3	0.847	0.825	-0.0219* * *	-2.580	-0.034	-0.009	0.001	3.403
Time+Cost To Repay	1	0.911	0.901	-0.0092*	-1.010	-0.016	-0.002	0.011	2.551
	2	0.838	0.830	-0.0079	-0.950	-0.017	0.001	0.082	1.737
	3	0.847	0.839	-0.0087	-1.030	-0.021	0.004	0.169	1.376
Reminder - Time To Repay	1	0.911	0.894	-0.0162* * *	-1.780	-0.024	-0.009	0	4.391
	2	0.838	0.813	-0.0255* * *	-3.050	-0.035	-0.016	0	5.449
Reminder - Time+Cost To Repay	1	0.911	0.898	-0.0122* * *	-1.340	-0.019	-0.005	0.001	3.339
	2	0.838	0.810	-0.0287* * *	-3.420	-0.038	-0.019	0	6.092
Time To Repay	1	2,786.820	2,788.558	1.7385	0.060	-71.806	75.283	0.963	0.046
	2	3,092.518	3,122.077	29.5596	0.960	-55.032	114.151	0.493	0.685
	3	4,122.707	4,019.640	-103.0664	-2.500	-232.375	26.243	0.118	1.562
Time+Cost To Repay	1	2,786.820	2,737.213	-49.6068	-1.780	-122.577	23.363	0.183	1.332
	2 3	3,092.518 4,122.707	3,065.418 4,022.037	-27.0995 -100.6698	-0.880 -2.440	-111.077 -231.085	56.878 29.745	0.527 0.130	0.632 1.513
	Reminder - Time+Cost To Repay  Time To Repay  Time+Cost To Repay  Reminder - Time To Repay  Reminder - Time+Cost To Repay  Time To Repay  Time To Repay	Reminder - Time+Cost To Repay  2 Time To Repay  1 2 3 Time+Cost To Repay  2 3 Reminder - Time To Repay  2 Reminder - Time To Repay  2 Time+Cost To Repay  2 Time+Cost To Repay  2 Time+Cost To Repay  1 2 Time To Repay  2 Time To Repay  2 Time To Repay  1 2 Time To Repay  2 Time To Repay  2 Time To Repay  2 Time To Repay  2 Time+Cost To Repay  1 2 3	Reminder - Time+Cost To Repay         1         0.029           Time To Repay         2         0.034           Time To Repay         2         0.838           Time+Cost To Repay         1         0.911           Repay         2         0.838           3         0.847         0.911           Reminder - Time To Repay         1         0.911           Reminder - Time To Repay         2         0.838           Reminder - Time+Cost To Repay         1         0.911           Time To Repay         2         0.838           Time To Repay         2         0.838           Time+Cost To Repay         1         2,786.820           Time+Cost To Repay         1         2,786.820           Time+Cost To Repay         1         2,786.820           3,092.518         3,092.518	Reminder - Time+Cost To Repay         1         0.029         0.042           Time To Repay         2         0.034         0.054           Time To Repay         1         0.911         0.893           2         0.838         0.822           3         0.847         0.825           Time+Cost To Repay         1         0.911         0.901           Reminder - Time To Repay         1         0.911         0.894           Reminder - Time+Cost To Repay         1         0.911         0.898           Time To Repay         2         0.838         0.813           Time To Repay         2         0.838         0.810           Time To Repay         1         2,786.820         2,788.558           3         4,122.707         4,019.640           Time+Cost To Repay         1         2,786.820         2,737.213           2         3,092.518         3,1065.418	Treatment         Lender (Control)         Mean (Treatment)         Mean (Treatment)         (Treatment)           Reminder - Time+Cost To Repay         1         0.029         0.042         0.0131***           Time To Repay         2         0.034         0.054         0.0203***           Time To Repay         1         0.911         0.893         -0.0175***           Time+Cost To Repay         2         0.838         0.822         -0.0166***           1         0.911         0.901         -0.0092*           2         0.838         0.830         -0.0079           3         0.847         0.839         -0.0087           Reminder Time To Repay         1         0.911         0.894         -0.0162***           Reminder Time+Cost To Repay         1         0.911         0.898         -0.0122***           2         0.838         0.813         -0.0255***           3         0.813         -0.0227**           4         0.911         0.898         -0.0122***           5         0.838         0.810         -0.0287***           1         2,786.820         2,788.558         1.7385           1         2,786.820         2,737.213         -49.6	Treatment         Lender         Mean (Control)         Mean (Treatment)         Mean (Treatment)         Mean (Treatment)         Mean (Treatment)         Difference Relative to Control           Reminder-Time+Cost To Repay         1         0.029         0.042         0.0131***         44.790           Time To Repay         2         0.034         0.054         0.0203***         59.240           Time To Repay         1         0.911         0.893         -0.0175***         -1.930           Repay         2         0.838         0.822         -0.0166***         -1.980           3         0.847         0.825         -0.0219***         -2.580           Time+Cost To Repay         2         0.838         0.830         -0.0079         -0.950           3         0.847         0.894         -0.0162***         -1.780           Reminder-Time To Repay         2         0.838         0.813         -0.0255***         -3.050           Reminder-Time+Cost To Repay         1         0.911         0.898         -0.0122***         -1.340           Time To Repay         2         0.838         0.810         -0.0287***         -3.420           Time To Repay         2         3.092.518         3,122.077	Reminder	Reminder	Reminder

Outcome	Treatment	Lender	Mean (Control)	Mean (Treatment)	Mean Difference (Treatment- Control)	Percentage Difference Relative to Control	CI Lower (Treatment- Control)	CI Upper (Treatment- Control)	P Value	T Statistic
	Reminder - Time To Repay	1	2,786.820	2,759.349	-27.4707	-0.990	-100.978	46.036	0.464	0.732
		2	3,092.518	2,941.549	-150.9691* * *	-4.880	-234.421	-67.517	0.0004	3.546
	Reminder - Time+Cost To Repay	1	2,786.820	2,790.169	3.3491	0.120	-70.042	76.740	0.929	0.089
		2	3,092.518	2,998.398	-94.1198*	-3.040	-177.195	-11.045	0.026	2.221
Cumulative costs across statements	Time To Repay	1	333.985	336.736	2.7512	0.820	-7.520	13.022	0.600	0.525
		2	452.510	459.488	6.9782	1.540	-4.284	18.240	0.225	1.214
		3	259.469	254.584	-4.885	-1.880	-19.344	9.574	0.508	0.662
	Time+Cost To Repay	1	333.985	331.232	-2.7527	-0.820	-12.824	7.319	0.592	0.536
		2	452.510	448.284	-4.226	-0.930	-15.176	6.724	0.449	0.756
		3	259.469	253.250	-6.2185	-2.400	-20.687	8.250	0.400	0.842
	Reminder - Time To Repay	1	333.985	333.113	-0.8719	-0.260	-11.033	9.289	0.866	0.168
		2	452.510	435.225	-17.2848* * *	-3.820	-28.194	-6.376	0.002	3.106
	Reminder - Time+Cost To Repay	1	333.985	337.182	3.1965	0.960	-7.010	13.402	0.539	0.614
	1 7	2	452.510	444.922	-7.5882	-1.680	-18.486	3.310	0.172	1.365

Outcome	Treatment	Lender	Mean (Control)	Mean (Treatment)	Mean Difference (Treatment- Control)	Percentage Difference Relative to Control	CI Lower (Treatment- Control)	CI Upper (Treatment- Control)	P Value	T Statistic
Cumulative purchases across statements	Time To Repay	1	1,521.756	1,518.902	-2.8544	-0.190	-85.647	79.939	0.946	0.068
		2	1,475.760	1,483.611	7.8508	0.530	-61.311	77.013	0.824	0.222
		3	538.215	526.947	-11.2684	-2.090	-67.660	45.123	0.695	0.392
	Time+Cost To Repay	1	1,521.756	1,527.328	5.5713	0.370	-76.276	87.419	0.894	0.133
		2	1,475.760	1,478.690	2.93	0.200	-62.916	68.776	0.930	0.087
		3	538.215	510.170	-28.045	-5.210	-83.537	27.447	0.322	0.991
	Reminder - Time To Repay	1	1,521.756	1,490.400	-31.3566	-2.060	-113.741	51.028	0.456	0.746
	1 7	2	1,475.760	1,456.899	-18.8604	-1.280	-86.318	48.597	0.584	0.548
	Reminder - Time+Cost To Repay	1	1,521.756	1,526.006	4.2495	0.280	-74.956	83.455	0.916	0.105
	1 0	2	1,475.760	1,489.945	14.185	0.960	-50.550	78.919	0.668	0.430
Cumulative payments across statements	Time To Repay	1	2,542.261	2,606.586	64.3252	2.530	-27.363	156.014	0.169	1.375
		2	2,397.563	2,419.064	21.5004	0.900	-60.659	103.659	0.608	0.513
		3	2,044.988	1,987.112	-57.8757	-2.830	-162.669	46.917	0.279	1.083
	Time+Cost To Repay	1	2,542.261	2,533.015	-9.2454	-0.360	-100.448	81.957	0.842	0.199
		2	2,397.563	2,411.410	13.8462	0.580	-66.501	94.193	0.736	0.338
		3	2,044.988	2,023.895	-21.0924	-1.030	-127.096	84.912	0.696	0.390
	Reminder - Time To Repay	1	2,542.261	2,520.076	-22.1842	-0.870	-113.521	69.152	0.634	0.476
	1 2	2	2,397.563	2,409.646	12.0831	0.500	-69.722	93.889	0.772	0.290

Outcome	Treatment	Lender	Mean (Control)	Mean (Treatment)	Mean Difference (Treatment- Control)	Percentage Difference Relative to Control	CI Lower (Treatment- Control)	CI Upper (Treatment- Control)	P Value	T Statistic
	Reminder - Time+Cost To Repay	1	2,542.261	2,579.812	37.5515	1.480	-51.948	127.051	0.411	0.822
	1 7	2	2,397.563	2,412.041	14.4774	0.600	-65.016	93.971	0.721	0.357
Cumulative automatic payments across statements	Time To Repay	1	525.006	528.852	3.8466	0.730	-14.800	22.494	0.686	0.404
		2	685.201	703.320	18.1188	2.640	-2.467	38.704	0.084	1.725
		3	722.080	717.555	-4.5249	-0.630	-32.570	23.520	0.752	0.316
	Time+Cost To Repay	1	525.006	523.297	-1.7085	-0.330	-20.531	17.114	0.859	0.178
		2	685.201	685.781	0.5797	0.080	-19.518	20.678	0.955	0.056
		3	722.080	709.500	-12.5797	-1.740	-40.495	15.336	0.377	0.883
	Reminder - Time To Repay	1	525.006	535.429	10.4228	1.990	-8.969	29.815	0.292	1.054
		2	685.201	667.929	-17.272	-2.520	-37.441	2.897	0.093	1.679
	Reminder - Time+Cost To Repay	1	525.006	525.600	0.5944	0.110	-17.341	18.530	0.948	0.065
		2	685.201	687.408	2.2062	0.320	-18.267	22.679	0.833	0.211
Cumulative manual payments across statements	Time To Repay	1	2,021.569	2,082.780	61.2104	3.030	-28.116	150.537	0.179	1.343
		2	1,716.945	1,720.360	3.4146	0.200	-75.986	82.815	0.933	0.084
		3	1,330.406	1,274.603	-55.8031	-4.190	-153.540	41.934	0.263	1.119
	Time+Cost To Repay	1	2,021.569	2,014.627	-6.9422	-0.340	-95.805	81.921	0.878	0.153
		2	1,716.945	1,730.226	13.2814	0.770	-64.725	91.288	0.739	0.334
		3	1,330.406	1,320.226	-10.1796	-0.770	-109.159	88.800	0.840	0.202

Outcome	Treatment	Lender	Mean (Control)	Mean (Treatment)	Mean Difference (Treatment- Control)	Percentage Difference Relative to Control	CI Lower (Treatment- Control)	CI Upper (Treatment- Control)	P Value	T Statistic
	Reminder - Time To Repay	1	2,021.569	1,989.385	-32.1844	-1.590	-120.922	56.554	0.477	0.711
	1 7	2	1,716.945	1,746.645	29.7005	1.730	-49.565	108.966	0.463	0.734
	Reminder - Time+Cost To Repay	1	2,021.569	2,059.122	37.5531	1.860	-49.981	125.088	0.400	0.841
		2	1,716.945	1,730.297	13.3519	0.780	-63.272	89.976	0.733	0.342
Payments via both automatic AND manual	Time To Repay	1	0.066	0.064	-0.0023	-3.440	-0.008	0.004	0.452	0.753
		2	0.051	0.054	0.0034	6.640	-0.002	0.009	0.220	1.226
		3	0.083	0.087	0.0045	5.510	-0.005	0.014	0.348	0.939
	Time+Cost To Repay	1	0.066	0.065	-0.001	-1.480	-0.007	0.005	0.748	0.322
		2	0.051	0.048	-0.0023	-4.520	-0.008	0.003	0.388	0.863
		3	0.083	0.079	-0.0035	-4.280	-0.013	0.006	0.456	0.746
	Reminder - Time To Repay	1	0.066	0.066	0.0002	0.340	-0.006	0.006	0.941	0.074
	± •	2	0.051	0.053	0.0021	4.230	-0.003	0.008	0.431	0.788
	Reminder - Time+Cost To Repay	1	0.066	0.066	0.0001	0.160	-0.006	0.006	0.972	0.035
	1 *	2	0.051	0.056	0.0057*	11.170	0.0002	0.011	0.042	2.039

<sup>\*\*\*</sup> P value < 0.005, \*\* < 0.01, \* < 0.05

 $Table\ A8:\ Automatic\ minimum\ payment\ nudge\ -\ treatment\ effects\ on\ selected\ secondary\ outcomes\ after\ nine\ completed\ statement\ cycles$ 

Outcome	Treatment	Lender	Estimate	95% Confidence Interval	P Value	Adjusted R Squared
Any automatic payment set-up	Time To Repay	1	-0.0042 (0.0027)	[-0.0095, 0.0012]	0.1278	0.0351
		2	-0.002 (0.0037)	[-0.0094, 0.0053]	0.5899	0.1208
		3	-0.0102* (0.0044)	[-0.0188, - 0.0016]	0.0205	0.3302
	Time+Cost To Repay	1	0.0042 (0.0026)	[-0.0008, 0.0093]	0.1025	0.0351
		2	0.0021 $(0.0037)$	[-0.0052, 0.0093]	0.5731	0.1208
		3	-0.0092* (0.0044)	[-0.0179, - 0.0005]	0.0379	0.3302
	Reminder - Time To Repay	1	0.0027 (0.0026)	[-0.0025, 0.0078]	0.3087	0.0361
		2	-0.0062 (0.0038)	[-0.0136, 0.0012]	0.1018	0.0957
	Reminder - Time+Cost To Repay	1	0.0012 (0.0026)	[-0.0039, 0.0063]	0.6471	0.0361
		2	-0.0038 (0.0038)	[-0.0112, 0.0036]	0.3153	0.0957
Any automatic full payment set- up	Time To Repay	1	0.0012 (0.001)	[-0.0008, 0.0031]	0.2432	0.0098
		2	-0.0001 (0.0009)	[-0.0019, 0.0018]	0.9403	0.0616
		3	-0.0018 (0.0016)	[-0.0049, 0.0012]	0.2451	0.1553
	Time+Cost To Repay	1	0.0004 $(0.001)$	[-0.0015, 0.0023]	0.6618	0.0098
		2	0.0002 (0.001)	[-0.0017, 0.0021]	0.8569	0.0616
		3	-0.0012 (0.0016)	[-0.0043, 0.002]	0.461	0.1553
	Reminder - Time To Repay	1	0.0012 (0.001)	[-0.0007, 0.0032]	0.2168	0.0106
		2	-0.0005 (0.0009)	[-0.0023, 0.0014]	0.627	0.0473
	Reminder - Time+Cost To Repay	1	0.0005 (0.001)	[-0.0014, 0.0024]	0.5803	0.0106
		2	0.0017 (0.001)	[-0.0003, 0.0038]	0.0896	0.0473

Outcome	Treatment	Lender	Estimate	95% Confidence Interval	P Value	Adjusted R Squared
Any automatic fixed payment set- up	Time To Repay	1	0.012* * * (0.0024)	[0.0073, 0.0167]	0	0.0156
		2	0.0124* * * (0.0026)	[0.0073, 0.0174]	0	0.0823
		3	0.0194* * * (0.0053)	[0.0089, 0.0298]	0.0003	0.4992
	Time+Cost To Repay	1	0.0134* * * (0.0024)	[0.0087, 0.0181]	0	0.0156
		2	0.0107* * * (0.0026)	[0.0057, 0.0157]	0	0.0823
		3	0.0036 (0.0053)	[-0.0067, 0.0139]	0.4943	0.4992
	Reminder - Time To Repay	1	0.018* * * (0.0025)	[0.0131, 0.0229]	0	0.0114
		2	0.0207* * * (0.0027)	[0.0154, 0.026]	0	0.0601
	Reminder - Time+Cost To Repay	1	0.0134* * * (0.0024)	[0.0087, 0.0182]	0	0.0114
		2	0.0221* * * (0.0027)	[0.0167, 0.0274]	0	0.0601
Any automatic fixed payment set- up for greater than contractual minimum payment that statement	Time To Repay	1	0.0113* * * (0.0023)	[0.0068, 0.0158]	0	0.0144
		2	0.0086* * * (0.0023)	[0.004, 0.0131]	0.0003	0.0702
		3	0.0179* * * (0.0053)	[0.0075, 0.0282]	0.0007	0.4783
	Time+Cost To Repay	1	0.0126* * * (0.0023)	[0.008, 0.0172]	0	0.0144
		2	0.0063* * (0.0023)	[0.0017, 0.0108]	0.0069	0.0702
		3	0.0027 (0.0052)	[-0.0075, 0.013]	0.6017	0.4783
	Reminder - Time To Repay	1	0.0161* * * (0.0024)	[0.0114, 0.0208]	0	0.0113
		2	0.0181* * * (0.0025)	[0.0131, 0.023]	0	0.0507
	Reminder - Time+Cost To Repay	1	0.0131* * * (0.0023)	[0.0086, 0.0177]	0	0.0113
		2	0.02* * * (0.0026)	[0.015, 0.025]	0	0.0507

Outcome	Treatment	Lender	Estimate	95% Confidence Interval	P Value	Adjusted R Squared
Any automatic minimum payment set-up	Time To Repay	1	-0.0179* * * (0.0037)	[-0.025, - 0.0107]	0	0.0377
		2	-0.0143* * * (0.0044)	[-0.023, - 0.0057]	0.0011	0.1265
		3	-0.0281* * * (0.0067)	[-0.0411, - 0.015]	0	0.4601
	Time+Cost To Repay	1	-0.0096* * (0.0036)	[-0.0166, - 0.0026]	0.0071	0.0377
		2	-0.0089* (0.0044)	[-0.0174, - 0.0003]	0.0424	0.1265
		3	-0.0117 (0.0066)	[-0.0246, 0.0012]	0.0761	0.4601
	Reminder - Time To Repay	1	-0.0171* * * (0.0037)	[-0.0243, -0.01]	0	0.0275
		2	-0.0265* * * (0.0045)	[-0.0353, - 0.0177]	0	0.098
	Reminder - Time+Cost To Repay	1	-0.0131* * * (0.0036)	[-0.0202, - 0.0061]	0.0003	0.0275
		2	-0.0272* * * (0.0045)	[-0.0361, - 0.0184]	0	0.098
Statement balance net of payments	Time To Repay	1	-25.3162 (25.4288)	[-75.1566, 24.5242]	0.3195	0.6023
		2	6.5708 (29.9321)	[-52.0961, 65.2378]	0.8262	0.6086
		3	-77.0862 (55.1313)	[-185.1436, 30.9712]	0.162	0.6619
	Time+Cost To Repay	1	-22.8294 (24.7934)	[-71.4243, 25.7656]	0.3572	0.6023
		2	3.8262 (29.8787)	[-54.7361, 62.3885]	0.8981	0.6086
		3	-79.1543 (54.3025)	[-185.5871, 27.2785]	0.1449	0.6619
	Reminder - Time To Repay	1	-11.1458 (24.8186)	[-59.7903, 37.4987]	0.6534	0.5416
		2	-57.149 (29.9143)	[-115.781, 1.483]	0.0561	0.5253
	Reminder - Time+Cost To Repay	1	-30.031 (25.1314)	[-79.2885, 19.2264]	0.2321	0.5416
		2	-42.3274 (29.7872)	[-100.7103, 16.0554]	0.1553	0.5253

Outcome	Treatment	Lender	Estimate	95% Confidence Interval	P Value	Adjusted R Squared
Cumulative costs across statements	Time To Repay	1	2.1511 (1.4365)	[-0.6645, 4.9668]	0.1343	0.7782
		2	1.6742 (1.8212)	[-1.8954, 5.2438]	0.3579	0.7918
		3	-3.0163 (4.2723)	[-11.39, 5.3574]	0.4802	0.7571
	Time+Cost To Repay	1	-0.5221 (1.3837)	[-3.2342, 2.19]	0.7059	0.7782
		2	-1.7685 (1.7851)	[-5.2673, 1.7302]	0.3218	0.7918
		3	-3.2628 (4.2652)	[-11.6225, 5.097]	0.4443	0.7571
	Reminder - Time To Repay	1	1.1483 (1.4425)	[-1.6789, 3.9756]	0.426	0.909
		2	-1.5153 (0.8587)	[-3.1983, 0.1677]	0.0776	0.9131
	Reminder - Time+Cost To Repay	1	1.2815 (1.4563)	[-1.5727, 4.1358]	0.3789	0.909
		2	-1.5839 (0.8637)	[-3.2767, 0.109]	0.0667	0.9131
Cumulative purchases across statements	Time To Repay	1	-4.0331 (14.9989)	[-33.4309, 25.3648]	0.788	0.7112
		2	9.6533 (13.9056)	[-17.6016, 36.9082]	0.4876	0.7011
		3	-12.5642 (16.9948)	[-45.8741, 20.7456]	0.4597	0.664
	Time+Cost To Repay	1	7.2403 (14.9402)	[-22.0424, 36.5231]	0.6279	0.7112
		2	-1.65 (13.3463)	[-27.8088, 24.5087]	0.9016	0.7011
		3	-11.3731 (16.6575)	[-44.0217, 21.2756]	0.4948	0.664
	Reminder - Time To Repay	1	7.2484 (15.2549)	[-22.6512, 37.1481]	0.6347	0.8704
		2	-5.4525 (9.7064)	[-24.4771, 13.5721]	0.5743	0.8528
	Reminder - Time+Cost To Repay	1	24.734 (15.0023)	[-4.6706, 54.1386]	0.0992	0.8704
		2	7.1919 (9.4322)	[-11.2952, 25.679]	0.4458	0.8528

Outcome	Treatment	Lender	Estimate	95% Confidence Interval	P Value	Adjusted R Squared
Cumulative payments across statements	Time To Repay	1	47.559* (20.381)	[7.6123, 87.5057]	0.0196	0.7
		2	7.1329 (18.9248)	[-29.9597, 44.2255]	0.7062	0.6673
		3	-35.8221 (34.1792)	[-102.8134, 31.1691]	0.2946	0.5503
	Time+Cost To Repay	1	2.3768 (20.4869)	[-37.7775, 42.5311]	0.9076	0.7
		2	13.6845 (18.6976)	[-22.9627, 50.3318]	0.4642	0.6673
		3	9.334 (34.1617)	[-57.6229, 76.291]	0.7847	0.5503
	Reminder - Time To Repay	1	40.0558* (20.1876)	[0.4882, 79.6234]	0.0472	0.8443
		2	29.1039 (15.8089)	[-1.8815, 60.0892]	0.0656	0.8087
	Reminder - Time+Cost To Repay	1	16.5749 (21.065)	[-24.7124, 57.8623]	0.4314	0.8443
		2	4.2355 (15.8838)	[-26.8967, 35.3678]	0.7897	0.8087
Cumulative automatic payments across statements	Time To Repay	1	-0.8028 (3.7505)	[-8.1537, 6.5481]	0.8305	0.6871
		2	7.1207 (3.8385)	[-0.4027, 14.6441]	0.0636	0.7399
		3	-1.2631 (8.6977)	[-18.3107, 15.7845]	0.8845	0.7079
	Time+Cost To Repay	1	-1.8313 (3.432)	[-8.5579, 4.8954]	0.5936	0.6871
		2	-0.3013 (3.7744)	[-7.6992, 7.0966]	0.9364	0.7399
		3	-6.2087 (8.624)	[-23.1118, 10.6943]	0.4716	0.7079
	Reminder - Time To Repay	1	2.4492 (3.4954)	[-4.4018, 9.3002]	0.4835	0.8654
		2	2.709 (2.5578)	[-2.3043, 7.7222]	0.2895	0.8695
	Reminder - Time+Cost To Repay	1	0.9836 (3.4035)	[-5.6872, 7.6544]	0.7726	0.8654
		2	4.0094 (2.4681)	[-0.8282, 8.8469]	0.1043	0.8695

Outcome	Treatment	Lender	Estimate	95% Confidence Interval	P Value	Adjusted R Squared
Cumulative manual payments across statements	Time To Repay	1	48.8665* (20.5359)	[8.6161, 89.1168]	0.0173	0.6849
		2	0.2966 (18.7694)	[-36.4914, 37.0845]	0.9874	0.6449
		3	-36.134 (32.4317)	[-99.7001, 27.4321]	0.2652	0.5211
	Time+Cost To Repay	1	5.5147 (20.6562)	[-34.9714, 46.0009]	0.7895	0.6849
		2	14.2647 (18.5615)	[-22.1159, 50.6453]	0.4422	0.6449
		3	14.5214 (32.3239)	[-48.8334, 77.8762]	0.6533	0.5211
	Reminder - Time To Repay	1	38.7334 (20.3106)	[-1.0754, 78.5423]	0.0565	0.8355
		2	25.9499 (15.8285)	[-5.074, 56.9739]	0.1011	0.798
	Reminder - Time+Cost To Repay	1	15.586 (21.1812)	[-25.9292, 57.1012]	0.4618	0.8355
		2	0.6423 (15.9183)	[-30.5576, 31.8421]	0.9678	0.798

<sup>\*\*\*</sup> P value < 0.005, \*\* < 0.01, \* < 0.05.

# **Survey Questionnaire**

### [n.b. XXXX or LENDER indicates firm-specific brand information has been redacted.]

Thank you for taking part in this survey!

It should take you no more than **5 minutes** to complete. You have the chance to enter a prize draw where two people will each win £500 and **15 people will each win £100** in Amazon evouchers (terms and conditions apply). You will have the opportunity to enter the prize draw at the end of the survey.

The team at XXXX are looking to understand more about consumers' views and experiences of credit cards to help support work they are doing with the Financial Conduct Authority (FCA). The FCA is the regulator of financial services and markets in the UK. It has an objective of protecting consumers of financial products and services.

		1	Keeping up with all of them without any difficulties	
		2	Keeping up with all of them, but it is a struggle from time to time	
	Which one of the following statements best describes how well you are	3	Keeping up with all of them, but it is a constant struggle	0: 1
Q1	keeping up with your bills and credit commitments at the moment? Are you:	4	Falling behind with some of them	Single Code
		5	Having real financial problems and have fallen behind with many of them	
		6	Don't have any commitments	

Q3	For the next question, we'd like you to think about how much money you have right now.  There is an example credit card bill below. Obviously you might not expect to get a bill like this. But if you did, bearing in mind how much money you actually have, how much would you repay?	Randomiz ed to view one of Q3.1a,1b, 2a,2b.
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		1	Full statement balance £532.60	SHOW TO RESPONDE
		2	The minimum £11.98	NTS WHERE
Q3.1a	SCENARIO 1 (LOW) (title is just our ref. do not show respondent)	3	This much (please specify)	'Q3Scenario Part' is 'Q3.1 — MinimumDis played' AND 'Q3Scenario Balance' is '532.60'

		1	Full statement balance £3217.36	SHOW TO
		2	The minimum £72.38	RESPON
Q3.1b	SCENARIO 1 (HIGH) (title is just our ref. do not show respondent)	3	This much (please specify)	DENTS WHERE 'Q3Scenar ioPart' is 'Q3.1 – Minimum Displayed' AND 'Q3Scenar ioBalance' is '3,217.36'

		1	Full statement balance £532.60	SHOW TO
Q3.2a	SCENARIO 2 (LOW) (title is just our ref. do not show respondent)	2	This much (please specify)	RESPON DENTS WHERE 'Q3Scenar ioPart' is 'Q3.2 – NoMinimu mDisplaye d' AND 'Q3Scenar ioBalance' is '532.60'

		1	Full statement balance £3217.36	SHOW TO RESPON
Q3.2b	SCENARIO 2 (HIGH) (title is just our ref. do not show respondent)	2	This much (please specify)	DENTS WHERE 'Q3Scenar ioPart' is 'Q3.2 – NoMinimu mDisplaye d' AND 'Q3Scenar ioBalance' is '3,217.36'

		1	Spent more	Single
Q2	Thinking about your financial situation in one year from now, would	2	Saved more	code Randomis
		3	Holding less debt	e
	you most prefer to have:	4	Not sure / don't know	(Code 1 – 3)

Now some questions on how you repay your credit card.

	What type of direct debit do you have on your XXXX credit card?  If you have multiple XXXX credit cards please think of the one you consider your main credit card.	1	Full payment direct debit	
		2	Fixed payment direct debit	
		3	Minimum payment direct debit	Single code
Q4		4	No direct debit	
		5	Not sure/ don't know	

		1	I never thought about why	
	Why do you have no direct debit on	2	I do not see the point of having a direct debit.	
	your XXXX credit card (rather than a minimum, fixed or full payment direct debit)?	3	I think my money situation is too unstable (e.g. fluctuating ingoings and / or outgoings) to have a direct debit.	
	Please select the most important reason(s).	4	I feel more in control making payments in other ways when I want to(e.g. app, bank transfers, cheque, phone, branch).	SHOW ONLY to
		5	I think most people do not have a direct debit.	CODE 4 on Q4
Q4.1		6	I did not know I could have a direct debit.	Multi
		7	I wanted to setup a direct debit but was not sure how to.	code,
		8	I wanted to setup a direct debit but did not get around to it.	Randomis ed (option 1 last)
		9	I am worried about direct debit payments bouncing.	i iast)
		10	I had a bad past experience with a direct debit	
		11	I think the LENDER thinks I shouldn't have a direct debit.	
		12	I was advised against having a direct debit by someone I trusted	
		13	Other (please specify)	

		1	I never thought about why	
	NA/Invasila accordance alliana et al alli't acc		It prevents me from forgetting	
	Why do you have a direct debit on your XXXX credit card?	2	to make a payment which	
	your XXXX credit card:		would harm my credit score.	
	Please select the most important	3	It prevents me from forgetting to make a payment which	
	reason(s).		costs me a late payment fee.	011014
		4	It helps me manage my unstable money situation (e.g. fluctuating ingoing and / or	SHOW ONLY to CODE 1 and
			outgoings)	CODE 3
		5	I feel more in control making payments through direct debit.	on Q4
Q4.2		6	I think most people have it	
		7	It was easy to setup	Multi
		8	I wanted to cancel it but was not sure how to.	code,
		9	I wanted to cancel it but did not get around to it.	Randomis ed
		10	I had a bad past experience of not having a direct debit	(option 1 last)
		11	I think it is what the LENDER thinks I should do.	
		12	I was advised to by someone I trusted.	
		13	I always want to repay in full.	
		14	Other (please specify)	

		1	I never thought shout why	
		1	I never thought about why.	
	Why do you have a fixed payment direct debit rather than a minimum	2	I do not see a financial benefit from having a minimum payment direct debit.	
	payment direct debit on your XXXX credit card?	3	I did not know I could setup a minimum payment direct debit.	
	Please select the most important reason(s).	4	I do not understand what a minimum payment direct debit is.	
		5	I do not know how to setup a minimum payment direct debit.	
		6	I prefer to pay a fixed amount through direct debit.	
		7	I think most people have a fixed payment direct debit.	
		8	It was easy to setup a fixed payment direct debit.	SHOW
		9	I feel more in control making additional payments in other ways when I want to (e.g. app, bank transfers, cheque, phone, branch)	ONLY to CODE 2 on Q4
Q4.3		10	It better helps me manage my unstable money situation (e.g. fluctuating ingoings and / or outgoings)	Multi code, Randomi
		11	I wanted to cancel my fixed payment direct debit but did not get around to it.	sed (option 1 last)
		12	I wanted to cancel my fixed payment direct debit but was not sure how to	
		13	I had a bad past experience with a minimum payment direct debit	
		14	A fixed payment direct debit helps me to repay my debt faster than a minimum payment direct debit would.	
		15	I think it is what LENDER thinks I should do.	
		16	Someone I trusted advised me to setup a fixed payment direct debit.	
		17	Other (please specify)	

			I do not see a financial benefit	
		1	from having a fixed payment	
			direct debit.	
	Why do you have a minimum	2	I did not know I could setup a	
	payment direct debit rather than a		fixed payment direct debit.	
	fixed payment direct debit on your	3	I do not understand what a	
	XXXX credit card.		fixed payment direct debit is.	-
	Please select the most important	4	I do not know how to setup a fixed payment direct debit.	
	reason(s).		I prefer to only pay the	-
	, ,	5	minimum through direct debit.	
		6	I think most people have a	-
		6	minimum payment direct debit.	
		7	It was easy to setup a	
			minimum payment direct debit.	-
		8	I wanted to cancel my minimum payment direct debit	
			but did not get around to it.	
			I feel more in control making	SHOW
			additional payments in other	ONLY to
		9	ways when I want to (e.g. app,	CODE 3
			bank transfers, cheque,	on Q4
Q4.4			phone, branch) It better helps me manage my	N.A14:
			unstable money situation (e.g.	Multi code
		10	fluctuating ingoings and / or	Code
			outgoings)	Randomi
			I wanted to cancel my	sed
		11	minimum payment direct debit	
			but was not sure how to I had a bad past experience	
		12	with a fixed payment direct	
			debit	
		13	I am worried I won't be able to	
		10	afford more than the minimum	
			A minimum payment direct	
		14	debit helps me to repay my debt faster than a fixed	
			payment direct debit would.	
		15	I think it is what LENDER	1
		15	thinks I should do.	
			Someone I trusted advised me	
		16	to setup a minimum payment	
		17	direct debit.	-
		17	I never thought about why	-
		18	Other (please specify)	<u> </u>

	Imagine a credit card statement balance of £1,029.90 with an interest rate of 18.9%. If someone only repays the minimum each month and spends no more on the card approximately how long would you expect it to take them to repay?	
Q5	It doesn't matter whether the answer you give is right or wrong. We just want to find out what people understand and the question after this one lets you indicate how confident you are in your answer.	
	years months	

		1	0	
	How confident are you in that last	2	1	
	answer being correct?	3	2	
	-	4	3	
	On a scale from 0 (Absolutely no idea) to 10 (Highly confident).	5	4	
Q6		6	5	Single Code
		7	6	Oodc
		8	7	
		9	8	
		10	9	
		11	10	

Q7	Now, bearing in mind how much money you actually have, imagine your credit card statement balance is £1,029.90 with an interest rate of 18.9%. If you only repay the minimum each month and spend no more on the card, approximately how long would you want it to take to repay in full?		
	years months I could never repay this debt		

	The Financial Conduct Authority (FCA) would like to anonymously link your answers from this survey to data it holds from regulated firms as part of its ongoing remit to help protect consumers.  This includes information about your XXXX credit card(s) as well as your	1	Yes	
Q8	credit files and XXXX personal current account(s) and savings account(s) (if you have these).  Consent to sharing your data will not affect your involvement with XXXX or any financial services providers. The information will be treated in strict confidence and used for research and to help the regulator of financial services to protect consumers.  Do you give your consent to Maru/edr sharing your survey responses with the FCA in an anonymised (and therefore confidential) form to match to other data?	2	No	Single Code

## [HELP SCREEN PROVIDING FURTHER DETAILS AS BELOW]

#### Who are the FCA?

The Financial Conduct Authority (FCA) is the regulator of financial services. It has an objective of protecting consumers. It is an independent public body, accountable to the Treasury, which is responsible for the UK's financial system, and to Parliament. For more information, see <a href="https://www.fca.org.uk/about/the-fca">https://www.fca.org.uk/about/the-fca</a>

### How will the linkage be done?

The Financial Conduct Authority (FCA) would like to link your survey responses with your credit file and XXXX credit card current accounts and savings accounts (if you have these). Your credit card history includes information about your credit card statement balances, transactions, repayments, interest and fees. Your credit file includes your credit score as well as information on your borrowing on other products, for example credit cards. Importantly, the matching process will protect your personal data.

We will pass the survey results to the FCA without information which identifies you. The FCA will use anonymised, numerical identifiers to match your responses with an anonymised extract from your credit file, provided by a credit reference agency, and with anonymised data on your XXXX credit card(s) and XXXX current account(s) and savings account(s) (if you have these). After linking responses the anonymous numerical identifier used for linkage will be deleted.

### How will your data be used?

The Financial Conduct Authority (FCA) will use the anonymised dataset to research consumer interactions with financial service products. This research will inform the FCA in delivering its objectives of promoting effective competition in the interests of consumers, ensuring consumers are appropriately protected when using financial products and the UK financial services market has integrity and is protected. XXXX will not use your individual responses in any way that affects your involvement with their products or pass these responses on to other firms.

	By taking part, you are given a chance to participate in a Prize Draw.	,	Yes please – I would like to	
Q9	You have the chance to enter a prize draw where two people will win £500 and 15 people will each win £100 in Amazon e-vouchers. If you'd like to take part, please	1	take part in the prize draw	Single Code
	select Yes and enter your name and email address below	2	No thanks	