

**Additional file 5. Comparisons of average plateletpheresis donation units per donor before and after the ban for individuals**

	Average Plateletpheresis Donation Units Per Donor					Average Plateletpheresis Donation Units Per Donor				
	Before Ban	After Ban	Mean Difference (SE)	t	p	Before Ban	After Ban	Mean Difference (SE)	t	p
	Mean (SD), n	Mean (SD), n				Mean (SD), n	Mean (SD), n			
<b>Overall GZ set</b>										
Total	1.7(0.1),11	2.9(0.2),3	1.1(0.1)	9.19	0.0096	2.8(0.1),11	5.1(0.4),3	2.3(0.1)	9.60	0.0097
Gender										
male	1.9(0.1),11	3.2(0.2),3	<b>1.3(0.1)</b>	13.17	0.0041	3.1(0.1),11	5.7(0.4),3	<b>2.6(0.2)</b>	10.90	0.0074
female	1.4(0.1),11	1.9(0.1),3	0.6(0.1)	11.28	<0.0001	2.0(0.1),11	3.1(0.3),3	1.1(0.1)	7.09	0.0164
Age										
≤35 years	1.6(0.1),11	2.6(0.2),3	1.0(0.1)	11.62	0.0057	2.6(0.1),11	4.6(0.4),3	2.1(0.2)	8.53	0.0120
>35 years	2.2(0.1),11	3.5(0.2),3	1.3(0.1)	10.99	0.0047	3.7(0.3),11	6.4(0.5),3	2.7(0.3)	9.89	0.0054
Blood donation history <sup>a</sup>										
WB	1.2(<0.1),11	1.9(<0.1),3	0.7(<0.1)	55.9	<0.0001	1.8(0.1),11	3.1(0.1),3	1.3(0.1)	18.46	0.0009
PLT	2.6(0.1),11	3.6(0.2),3	<b>1.0(0.1)</b>	10.25	0.0080	4.4(0.2),11	6.6(0.4),3	<b>2.2(0.2)</b>	10.32	0.0063
Both	3.3(0.2),11	4.0(0.2),3	0.7(0.1)	6.27	0.0049	5.9(0.3),11	7.3(0.5),3	1.5(0.3)	5.18	0.0206
None	1.2(<0.1),11	1.6(0.2),3	0.5(0.1)	5.16	0.0320	1.7(0.1),11	2.6(0.3),3	0.9(0.2)	5.95	0.0245
FRD:										
FRD										
voluntary	2.3(0.2),11	2.9(0.2),3	0.6(0.1)	4.19	0.0198	3.8(0.4),11	5.1(0.4),3	1.2(0.3)	4.72	0.0180
<b>Overall CD set</b>										
Total	1.5(0.1),11	2.6(0.3),3	1.1(0.1)	11.39	<0.0001	2.1(0.2),11	4.4(0.6),3	2.3(0.2)	7.07	0.0156
Gender:										
male	1.6(0.2),11	3.0(0.3),3	<b>1.4(0.2)</b>	12.51	<0.0001	2.2(0.2),11	5.1(0.7),3	<b>2.8(0.4)</b>	6.91	0.0171
female	1.3(0.1),11	2.0(0.1),3	0.6(0.1)	10.32	<0.0001	1.8(0.2),11	3.0(0.5),3	1.2(0.2)	4.56	0.0385
Age										
≤35 years	1.4(0.1),11	2.6(0.2),3	1.2(0.1)	9.42	0.0049	2.0(0.2),11	4.3(0.5),3	2.3(0.3)	7.68	0.0119
>35 years	1.6(0.1),11	2.7(0.3),3	1.1(0.2)	6.24	0.0207	2.2(0.2),11	4.4(0.8),3	2.2(0.4)	4.99	0.0345
Blood donation history <sup>a</sup>										
WB	1.3(0.1),11	1.7(0.1),3	0.4(<0.1)	9.28	0.0002	1.6(0.2),11	2.5(0.1),3	0.9(0.1)	10.47	0.0003
PLT	2.5(0.3),11	3.6(0.1),3	<b>1.1(0.1)</b>	9.63	<0.0001	3.8(0.5),11	6.3(0.4),3	<b>2.4(0.3)</b>	8.48	0.0011
Both	3.2(0.2),11	3.7(0.1),3	0.5(0.1)	6.33	0.0007	4.9(0.3),11	6.3(0.5),3	1.3(0.3)	4.82	0.0237
None	1.1(0.1),11	1.5(0.1),3	0.4(<0.1)	10.83	0.0020	1.4(0.1),11	2.2(0.3),3	0.8(0.1)	5.45	0.0275
FRD status										
FRD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
voluntary	1.9(0.3),11	2.6(0.3),3	0.7(0.2)	4.00	0.0136	2.8(0.5),11	4.4(0.6),3	1.6(0.4)	4.43	0.0221

**Bold** font indicates statistical significance for the indicated group vs. other group(s) within the same variable at the  $\alpha=0.05$  level. Z-test was used to compare two mean differences:  $Z=(\text{mean difference1}-\text{mean difference2})/\sqrt{(\text{se1}^2+\text{se2}^2)}$ , two-tailed.

<sup>a</sup>"None"=no blood donation history; "WB"=whole blood donation history only; "PLT"=plateletpheresis donation history only; "Both"=both whole blood and plateletpheresis donations history.