

**Supplemental Online Table A. Hematologic recovery among first-time NMDP donors who donated between January 2004 and July 2009: 2-sample t-test comparing blood count recovery from baseline to each post-donation time point between bone marrow and PBSC donors**

	Bone marrow			PBSC			Difference	95% C.I.	p-value
	N	Mean	95% C.I.	N	Mean	95% C.I.			
<b>White blood cells (x 10<sup>9</sup>/L)</b>									
Change from baseline to									
Post-collection	2624	3.68	(3.53,3.82)	6711	30.18	(29.95,30.42)	-26.51	(-26.78,-26.23)	<0.001
1 month post-donation	20	-0.14	(-0.87,0.60)	84	-0.66	(-1.00,-0.33)	0.53	(-0.24,1.30)	0.176
1 year post-donation	935	0.08	(-0.02,0.18)	2104	-0.25	(-0.32,-0.18)	0.32	(0.20,0.44)	<0.001
2 years post-donation	541	0.09	(-0.06,0.23)	1101	-0.23	(-0.33,-0.13)	0.31	(0.14,0.49)	<0.001
3 years post-donation	274	0.00	(-0.17,0.17)	508	-0.09	(-0.24,0.05)	0.09	(-0.13,0.31)	0.418
<b>Neutrophils (x 10<sup>9</sup>/L)</b>									
Change from baseline to									
Post-collection	2373	3.89	(3.73,4.05)	6655	28.46	(28.23,28.69)	-24.57	(-24.85,-24.30)	<0.001
1 month post-donation	20	-0.33	(-0.93,0.27)	82	-0.33	(-0.61,-0.04)	-0.01	(-0.64,0.62)	0.979
1 year post-donation	932	-0.11	(-0.20,-0.03)	2092	-0.15	(-0.22,-0.09)	0.04	(-0.06,0.15)	0.435
2 years post-donation	539	-0.08	(-0.20,0.05)	1098	-0.16	(-0.25,-0.08)	0.09	(-0.07,0.24)	0.272
3 years post-donation	273	-0.08	(-0.23,0.07)	508	-0.11	(-0.23,0.02)	0.02	(-0.17,0.22)	0.811
<b>Mononuclear cells (x 10<sup>9</sup>/L)</b>									
Change from baseline to									
Post-collection	2333	-0.24	(-0.28,-0.20)	6533	1.69	(1.63,1.74)	-1.93	(-2.00,-1.86)	<0.001
1 month post-donation	20	0.20	(-0.05,0.44)	82	-0.35	(-0.48,-0.21)	0.54	(0.25,0.84)	<0.001
1 year post-donation	925	0.20	(0.16,0.24)	2075	-0.08	(-0.10,-0.06)	0.28	(0.23,0.32)	<0.001
2 years post-donation	538	0.18	(0.13,0.23)	1089	-0.06	(-0.09,-0.03)	0.24	(0.18,0.30)	<0.001
3 years post-donation	274	0.09	(0.04,0.15)	506	0.02	(-0.03,0.07)	0.07	(0.00,0.15)	0.053
<b>Platelets (x 10<sup>9</sup>/L)</b>									
Change from baseline to									
Post-collection	2622	-41.50	(-43.05,-39.94)	6694	-129.70	(-130.90,-128.5)	88.23	(86.26,90.21)	<0.001
1 month post-donation	20	12.75	(-9.09,34.59)	83	-12.83	(-21.74,-3.92)	25.58	(4.84,46.32)	0.016
1 year post-donation	934	-3.95	(-6.36,-1.55)	2094	-7.58	(-9.17,-5.98)	3.62	(0.74,6.5)	0.014
2 years post-donation	540	-6.19	(-9.22,-3.16)	1098	-7.88	(-10.24,-5.53)	1.69	(-2.14,5.52)	0.387
3 years post-donation	274	-6.35	(-10.84,-1.86)	503	-3.99	(-7.30,-0.68)	-2.36	(-7.93,3.21)	0.405

	Bone marrow			PBSC			Difference	95% C.I.	p-value
	N	Mean	95% C.I.	N	Mean	95% C.I.			
<b>Hemoglobin (g/dL)</b>									
Change from baseline to									
Post-collection	1430	-3.03	(-3.11,-2.96)	6703	-1.69	(-1.71,-1.67)	-1.34	(-1.42,-1.26)	<0.001
1 month post-donation	20	-0.88	(-1.15,-0.60)	84	-0.64	(-0.80,-0.48)	-0.23	(-0.59,0.12)	0.192
1 year post-donation	936	-0.18	(-0.24,-0.12)	2103	-0.21	(-0.24,-0.17)	0.03	(-0.04,0.09)	0.476
2 years post-donation	541	-0.22	(-0.30,-0.14)	1101	-0.23	(-0.28,-0.18)	0.01	(-0.08,0.11)	0.782
3 years post-donation	274	-0.16	(-0.28,-0.03)	508	-0.16	(-0.24,-0.07)	0.00	(-0.14,0.15)	0.968