

Analysis for the FUN Study: Readmissions Within 100 Days

17 July, 2019

PI: Rebecca L. Olin, MD, MSCE
Associate Professor, Department of Medicine

Iris Kim
Student Intern
iris.kim2@ucsf.edu | minjeekim303@berkeley.edu

Contents

1	Summary of Readmissions within 100 days	3
2	Association Between Readmissions and Donor Type	4
3	Association between Readmissions and Pre-Transplant Patient Related Characteristics	5
3.1	Sociodemographic	5
3.1.1	Age	5
3.1.2	Gender	7
3.1.3	Living Alone	8
3.1.4	Marital Status	9
3.1.5	Education	11
3.2	Baseline GA Variables	13
3.2.1	IADL	13
3.2.2	MOS Physical Health / ADL	17
3.2.3	Falls in the Last 6 Months	21
3.2.4	KPS	23
3.2.5	TUG (in seconds)	25
3.2.6	Mental Health / MHI	26
3.2.7	Cognition / BOMC	27
3.2.8	MOS Social Support	30
3.2.9	Weight Change Over the Last 6 Months	31
3.2.10	Number of Medications	32
3.3	Baseline QOL	33
3.3.1	FACT - BMT Physical Wellbeing Score	33
3.3.2	FACT - BMT Social Wellbeing Score	34
3.3.3	FACT - BMT Emotional Wellbeing Score	35
3.3.4	FACT - BMT Functional Wellbeing Score	36
3.3.5	FACT - BMT Subscale	37
4	Association Between Readmissions and Pre-Transplant Disease Related Characteristics	38
4.1	HCT-CI	38
4.2	Disease Status at Transplant	41
4.3	CIBMTR	43
4.4	Transplant Intensity	46
4.5	Diagnosis	47

1 Summary of Readmissions within 100 days

Summary of Readmissions Within 100 Days

	n	Mean	Std	Min	Median	Max
Number of Readmissions	147	0.537415	0.7961561	0	0	4

Summary of Readmissions Within 100 Days

Readmissions	Frequency	%
0	90	61.224
1	40	27.211
2	13	8.844
3	3	2.041
4	1	0.680

Summary of Readmissions Within 100 Days (2 Groups)

Readmissions (2 Groups)	Frequency	%
No Readmission	90	61.224
Any Readmission	57	38.776

2 Association Between Readmissions and Donor Type

Summary of Donor Type

Donor Type	Frequency	%
0	46	31.081
1	64	43.243
2	25	16.892
3	5	3.378
4	6	4.054
5	2	1.351

Summary of Donor Type (3 Groups)

Donor Type	Frequency	%
Matched Sibs	46	31.081
MUD	89	60.135
Others	13	8.784

Summary of Readmissions by Donor Type (3 Groups)

	Readmissions	No Readmission	(%)	Readmission	(%)	Total	(%)
Donor Type							
Matched Sibs		30	65.22	16	34.78	46	100
MUD		51	57.95	37	42.05	88	100
Others		9	69.23	4	30.77	13	100
Total		90	61.22	57	38.78	147	100

Logistic Regression between Readmissions and Donor Type (3 Groups)

Donor Type (3 Groups)	OR	CI Lower	CI Upper	p value
MUD vs Matched Sibs	1.360	0.649	2.850	0.415
Others vs Matched Sibs	0.833	0.222	3.135	0.787

3 Association between Readmissions and Pre-Transplant Patient Related Characteristics

3.1 Sociodemographic

3.1.1 Age

Summary of Readmissions

	n	Mean	Std	Min	Median	Max
Number of Readmissions	148	61.26351	6.102705	50	62	76

Summary of Age (3 Groups)

Age (3 Groups)	Frequency	%
50-59	56	37.838
60-69	78	52.703
70+	14	9.459

Summary of Age (2 Groups)

Age (2 Groups)	Frequency	%
50-59	56	37.838
60+	92	62.162

Summary of Readmissions by Age (3 Groups)

	Readmissions	No Readmission	(%)	Readmission	(%)	Total	(%)
Age (3 Groups)							
50-59		37	67.27	18	32.73	55	100
60-69		43	55.13	35	44.87	78	100
70+		10	71.43	4	28.57	14	100
Total		90	61.22	57	38.78	147	100

Logistic Regression between Readmissions and Age

Age	OR	CI Lower	CI Upper	p value
Age	1.026	0.97	1.084	0.371

Logistic Regression between Readmissions and Age (3 Groups)

Age (3 Groups)	OR	CI Lower	CI Upper	p value
60-69 vs 50-59	1.673	0.816	3.432	0.160
70+ vs 50-59	0.822	0.227	2.984	0.766

Summary of Readmissions by Age (2 Groups)

	Readmissions	No Readmission	(%)	Readmission	(%)	Total	(%)
Age (2 Groups)							
50-59		37	67.27	18	32.73	55	100
60+		53	57.61	39	42.39	92	100
Total		90	61.22	57	38.78	147	100

Logistic Regression between Readmissions and Age (2 Groups)

Age (2 Groups)	OR	CI Lower	CI Upper	p value
60+ vs 50-59	1.513	0.752	3.042	0.246

3.1.2 Gender

Summary of Readmissions

Gender	Frequency	%
Male	90	60.811
Female	58	39.189

Summary of Readmissions by Gender

	Readmissions	No Readmission	(%)	Readmission	(%)	Total	(%)
Gender							
Male		54	60.67	35	39.33	89	100
Female		36	62.07	22	37.93	58	100
Total		90	61.22	57	38.78	147	100

Logistic Regression between Readmissions and Gender

Gender	OR	CI Lower	CI Upper	p value
Female vs Male	0.943	0.478	1.861	0.865

3.1.3 Living Alone

Summary of Readmissions

Living Status	Frequency	%
Not Living Alone	134	90.541
Living Alone	14	9.459

Summary of Readmissions by Living Status

	Readmissions	No Readmission	(%)	Readmission	(%)	Total	(%)
Living Status							
Not Living Alone		84	63.16	49	36.84	133	100
Living Alone		6	42.86	8	57.14	14	100
Total		90	61.22	57	38.78	147	100

Logistic Regression between Readmissions and Living Status

Living Status	OR	CI Lower	CI Upper	p value
Living Alone vs Not Living Alone	2.286	0.749	6.975	0.146

3.1.4 Marital Status

Summary of Readmissions

	n	Mean	Std	Min	Median	Max
Number of Readmissions	148	1.351351	0.8949204	0	1	4

Summary of Marital Status

Marital Status	Frequency	%
0	6	4.054
1	115	77.703
2	1	0.676
3	21	14.189
4	5	3.378

Summary of Marital Status (2 Groups)

Marital Status (2 Groups)	Frequency	%
Others	33	22.297
Married	115	77.703

Note: Others (0,2,3,4,9), Married (1)

Summary of Readmissions by Marital Status (2 Groups)

	Readmissions	No Readmission	(%)	Readmission	(%)	Total	(%)
Marital Status (2 Groups)							
Others		17	53.12	15	46.88	32	100
Married		73	63.48	42	36.52	115	100
Total		90	61.22	57	38.78	147	100

Logistic Regression between Readmissions and Marital Status (2 Groups)

Marital Status (2 Groups)	OR	CI Lower	CI Upper	p value
Married vs Others	0.652	0.296	1.439	0.29

3.1.5 Education

Summary of Readmissions

	n	Mean	Std	Min	Median	Max
Number of Readmissions	148	4.554054	1.903394	1	5	7

Summary of Education

Education	Frequency	%
1	5	3.378
2	20	13.514
3	31	20.946
4	13	8.784
5	28	18.919
6	13	8.784
7	38	25.676

Summary of Education (3 Groups)

Education (3 Groups)	Frequency	%
High School	25	16.892
College	72	48.649
Post College	51	34.459

Summary of Readmissions by Education (3 Groups)

	Readmissions	No Readmission	(%)	Readmission	(%)	Total	(%)
Education (3 Groups)							
High School		15	60	10	40	25	100
College		44	61.97	27	38.03	71	100
Post College		31	60.78	20	39.22	51	100
Total		90	61.22	57	38.78	147	100

Logistic Regression between Readmissions and Education (3 Groups)

Education (3 Groups)	OR	CI Lower	CI Upper	p value
College vs High School	0.920	0.362	2.339	0.862
Post College vs High School	0.968	0.364	2.573	0.948

3.2 Baseline GA Variables

3.2.1 IADL

Summary of Readmissions

	n	Mean	Std	Min	Median	Max
Number of Readmissions	142	0.9507042	1.747653	0	0	10

Note 0=Best; 14=Worst

Summary of IADL Scores (2 Groups)

IADL	Frequency	%
No Deficit	87	60.839
Any Deficit	56	39.161

Note: No Deficit (n=87); Any Deficit (n=56)

Summary of Readmissions

	n	Mean	Std	Min	Median	Max
Number of Readmissions	142	0.8661972	1.454896	0	0	7

Summary of IADL Domains

Domains with Deficits	Frequency	%
0	87	61.268
1	27	19.014
2	9	6.338
3	6	4.225
4	8	5.634
5	3	2.113
6	1	0.704
7	1	0.704

Summary of Readmissions by IADL Deficits

	Readmissions	No Readmission	(%)	Readmission	(%)	Total	(%)
IADL Deficit							
No Deficit		54	62.79	32	37.21	86	100
Any Deficit		33	58.93	23	41.07	56	100
Total		87	61.27	55	38.73	142	100

Logistic Regression between Readmissions and IADL Scores

IADL Score	OR	CI Lower	CI Upper	p value
IADL Score	1.073	0.886	1.298	0.471

Logistic Regression between Readmissions and IADL Domains

Deficit	OR	CI Lower	CI Upper	p value
Any Deficit vs No Deficit	1.176	0.591	2.342	0.644

Summary of Readmissions by IADL Domains

	Readmissions	No Readmission	(%)	Readmission	(%)	Total	(%)
IADL Domains							
1		54	62.79	32	37.21	86	100
2		16	59.26	11	40.74	27	100
3		7	77.78	2	22.22	9	100
4		2	33.33	4	66.67	6	100
5		4	50	4	50	8	100
6		2	66.67	1	33.33	3	100
7		0	0	1	100	1	100
8		1	100	0	0	1	100
Total		86	60.99	55	39.01	141	100

Logistic Regression between Readmissions and IADL Domains

IADL Domains	OR	CI Lower	CI Upper	p value
IADL Domains	1.087	0.864	1.368	0.476

3.2.2 MOS Physical Health / ADL

Summary of Readmissions

	n	Mean	Std	Min	Median	Max
Number of Readmissions	144	5.569444	5.000214	0	4	20

Note: Original ADL Score: 0=Best, 20=Worst

Summary of ADL Scores (2 Groups)

ADL Score (2 Groups)	Frequency	%
No Deficit	17	11.565
Any Deficit	130	88.435

Summary of Readmissions

	n	Mean	Std	Min	Median	Max
Number of Readmissions	144	72.15278	25.00107	0	80	100

Note: Transformed ADL Score=(100-5*Original Score)

Summary of Readmissions by Transformed ADL Scores (2 Groups)

Transformed ADL Score (2 Groups)	Frequency	%
<85	82	56.944
>=85	62	43.056

Summary of Readmissions by ADL Scores

	Readmissions	No Readmission	(%)	Readmission	(%)	Total	(%)
ADL Score							
1		15	88.24	2	11.76	17	100
2		12	57.14	9	42.86	21	100
3		10	62.5	6	37.5	16	100
4		3	37.5	5	62.5	8	100
5		8	61.54	5	38.46	13	100
6		5	45.45	6	54.55	11	100
7		6	85.71	1	14.29	7	100
8		7	70	3	30	10	100
9		1	100	0	0	1	100
10		4	66.67	2	33.33	6	100
11		4	66.67	2	33.33	6	100
12		2	28.57	5	71.43	7	100
13		1	20	4	80	5	100
14		0	0	2	100	2	100
15		4	100	0	0	4	100
16		0	0	2	100	2	100
17		2	66.67	1	33.33	3	100
18		1	50	1	50	2	100
19		1	50	1	50	2	100
Total		86	60.14	57	39.86	143	100

Logistic Regression between Readmissions and ADL Scores

Original ADL Score	OR	CI Lower	CI Upper	p value
ADL Score	1.059	0.99	1.132	0.0977

Logistic Regression between Readmissions and ADL Scores (2 Groups)

ADL Deficit	OR	CI Lower	CI Upper	p value
Any Deficit vs No Deficit	5.574	1.224	25.388	0.0263

Summary of Readmissions by Transformed ADL Scores

	Readmissions	No Readmission	(%)	Readmission	(%)	Total	(%)
Transformed ADL Score							
1		1	50	1	50	2	100
2		1	50	1	50	2	100
3		2	66.67	1	33.33	3	100
4		0	0	2	100	2	100
5		4	100	0	0	4	100
6		0	0	2	100	2	100
7		1	20	4	80	5	100
8		2	28.57	5	71.43	7	100
9		4	66.67	2	33.33	6	100
10		4	66.67	2	33.33	6	100
11		1	100	0	0	1	100
12		7	70	3	30	10	100
13		6	85.71	1	14.29	7	100
14		5	45.45	6	54.55	11	100
15		8	61.54	5	38.46	13	100
16		3	37.5	5	62.5	8	100
17		10	62.5	6	37.5	16	100
18		12	57.14	9	42.86	21	100
19		15	88.24	2	11.76	17	100
Total		86	60.14	57	39.86	143	100

Logistic Regression between Readmissions and Transformed ADL Scores

Transformed ADL Score	OR	CI Lower	CI Upper	p value
Transformed ADL Score	0.989	0.975	1.002	0.0977

Logistic Regression between Readmissions and Transformed ADL Scores (2 Groups)

Transformed ADL Score (2 Groups)	OR	CI Lower	CI Upper	p value
>=85 vs <85	0.723	0.366	1.428	0.35

3.2.3 Falls in the Last 6 Months

Summary of Readmissions

	n	Mean	Std	Min	Median	Max
Number of Readmissions	147	0.3673469	0.9442082	0	0	7

Summary of Falls

Number of Falls	Frequency	%
0	116	78.912
1	19	12.925
2	8	5.442
3	1	0.680
4	1	0.680
5	1	0.680
7	1	0.680

Summary of Falls (2 Groups)

Falls (2 Groups)	Frequency	%
No Falls	116	78.912
Any Falls	31	21.088

Logistic Regression between Readmissions and Number of Falls

Falls	OR	CI Lower	CI Upper	p value
Falls	1.043	0.736	1.477	0.814

Summary of Readmissions by Number of Falls (2 Groups)

	Readmissions	No Readmission	(%)	Readmission	(%)	Total	(%)
Falls (2 Groups)							
No Falls		75	64.66	41	35.34	116	100
Any Falls		14	46.67	16	53.33	30	100
Total		89	60.96	57	39.04	146	100

Logistic Regression between Readmissions and Number of Falls (2 Groups)

Falls (2 Groups)	OR	CI Lower	CI Upper	p value
Any Falls vs No Falls	2.091	0.928	4.709	0.0751

3.2.4 KPS

Summary of (Patient Assigned) Readmissions

	n	Mean	Std	Min	Median	Max
Number of Readmissions	148	82.36486	14.81686	30	90	100

Summary of (Provider Assigned) Readmissions

	n	Mean	Std	Min	Median	Max
Number of Readmissions	147	91.63265	10.13882	30	90	100

Summary of Readmissions by KPS Patients

	Readmissions	No Readmission	(%)	Readmission	(%)	Total	(%)
KPS Patient (in 10 Units)							
1		0	0	1	100	1	100
2		2	100	0	0	2	100
3		1	50	1	50	2	100
4		9	50	9	50	18	100
5		8	44.44	10	55.56	18	100
6		17	68	8	32	25	100
7		37	69.81	16	30.19	53	100
8		16	57.14	12	42.86	28	100
Total		90	61.22	57	38.78	147	100

Logistic Regression between Readmissions and KPS Patients

KPS Patient (in 10 Units)	OR	CI Lower	CI Upper	p value
KPS Patient	0.879	0.703	1.099	0.257

Summary of Readmissions by KPS Providers

	Readmissions	No Readmission	(%)	Readmission	(%)	Total	(%)
KPS Provider (in 10 Units)							
1	0	0	1	100	1	100	
2	0	0	1	100	1	100	
3	1	100	0	0	1	100	
4	1	50	1	50	2	100	
5	12	70.59	5	29.41	17	100	
6	36	55.38	29	44.62	65	100	
7	39	66.1	20	33.9	59	100	
Total	89	60.96	57	39.04	146	100	

Logistic Regression between Readmissions and KPS Providers

KPS Provider (in 10 Units)	OR	CI Lower	CI Upper	p value
KPS Provider	0.815	0.584	1.138	0.23

3.2.5 TUG (in seconds)

Summary of Readmissions

	n	Mean	Std	Min	Median	Max
Number of Readmissions	146	9.939041	5.202245	3.6	9	49.6

Logistic Regression between Readmissions and TUG

TUG	OR	CI Lower	CI Upper	p value
TUG	0.988	0.924	1.057	0.729

3.2.6 Mental Health / MHI

Summary of Readmissions

	n	Mean	Std	Min	Median	Max
Number of Readmissions	148	79.19595	13.48956	40	80	100

Summary of MHI Scores (2 Groups)

MHI Score (2 Groups)	Frequency	%
<=76	65	43.919
>76	83	56.081

Logistic Regression between Readmissions and MHI Scores

MHI Score	OR	CI Lower	CI Upper	p value
MHI Score	1.007	0.982	1.032	0.59

Summary of Readmissions by MHI Scores (2 Groups)

	Readmissions	No Readmission	(%)	Readmission	(%)	Total	(%)
MHI Score (2 Groups)							
<=76		39	60	26	40	65	100
>76		51	62.2	31	37.8	82	100
Total		90	61.22	57	38.78	147	100

Logistic Regression between Readmissions and MHI Scores (2 Groups)

MHI Score (2 Groups)	OR	CI Lower	CI Upper	p value
>76 vs <=76	0.912	0.468	1.777	0.786

3.2.7 Cognition / BOMC

Summary of Readmissions

	n	Mean	Std	Min	Median	Max
Number of Readmissions	148	2.662162	3.082878	0	2	14

Summary of BOMC Scores (2 Groups)

BOMC Score (2 Groups)	Frequency	%
0-4	119	80.405
>4	29	19.595

Logistic Regression between Readmissions and BOMC Scores

BOMC	OR	CI Lower	CI Upper	p value
BOMC Score	0.988	0.887	1.101	0.826

Summary of Readmissions by BOMC Scores (2 Groups)

	Readmissions	No Readmission	(%)	Readmission	(%)	Total	(%)
BOMC (2 Groups)							
0-4		67	56.78	51	43.22	118	100
>4		23	79.31	6	20.69	29	100
Total		90	61.22	57	38.78	147	100

Logistic Regression between Readmissions and BOMC Scores (2 Groups)

BOMC (2 Groups)	OR	CI Lower	CI Upper	p value
>4 vs 0-4	0.343	0.13	0.904	0.0304

Logistic Regression between Readmissions and BOMC Scores (2 Groups)

BOMC (2 Groups)	OR	CI Lower	CI Upper	p value
>4 vs 0-4	0.343	0.13	0.904	0.0304

3.2.8 MOS Social Support

Summary of Readmissions

	n	Mean	Std	Min	Median	Max
Number of Readmissions	145	88.48591	18.83531	0	97.91667	100

Logistic Regression between Readmission and MOS

MOS Social Support	OR	CI Lower	CI Upper	p value
MOS	0.994	0.977	1.011	0.488

3.2.9 Weight Change Over the Last 6 Months

Summary of Readmissions

	n	Mean	Std	Min	Median	Max
Number of Readmissions	147	-1.2057	8.266667	-32.22222	-0.8784773	46.67647

Note: Weight changes recorded in percentages.

Summary of BMI

	n	Mean	Std	Min	Median	Max
Number of Readmissions	148	26.93042	4.515824	16.52445	26.30136	44.96266

Logistic Regression between Readmissions and Weight Change

Weight	OR	CI Lower	CI Upper	p value
Weight Change	1.001	0.961	1.043	0.949

Logistic Regression between Readmissions and BMI

Weight	OR	CI Lower	CI Upper	p value
BMI	0.99	0.919	1.065	0.78

3.2.10 Number of Medications

Summary of Readmissions

	n	Mean	Std	Min	Median	Max
Number of Readmissions	132	6.257576	5.694005	0	5	53

Logistic Regression between Readmissions and Number of Medications

Number of Medications	OR	CI Lower	CI Upper	p value
Number of Medications	1.034	0.969	1.103	0.317

3.3 Baseline QOL

3.3.1 FACT - BMT Physical Wellbeing Score

Summary of Readmissions

	n	Mean	Std	Min	Median	Max
Number of Readmissions	147	6.109977	5.513733	0	4.666667	26

Logistic Regression between Readmissions and Physical Wellbeing Scores

BMT Physical Wellbeing Score	OR	CI Lower	CI Upper	p value
Score	1.051	0.989	1.116	0.108

3.3.2 FACT - BMT Social Wellbeing Score

Summary of Readmissions

	n	Mean	Std	Min	Median	Max
Number of Readmissions	147	24.68707	4.098943	8.166667	26	28

Logistic Regression between Readmissions and Social Wellbeing Scores

BMT Social Wellbeing Score	OR	CI Lower	CI Upper	p value
Score	0.972	0.897	1.053	0.484

3.3.3 FACT - BMT Emotional Wellbeing Score

Summary of Readmissions

	n	Mean	Std	Min	Median	Max
Number of Readmissions	147	7.730612	3.429817	0	7	20

Logistic Regression between Readmissions and Emotional Wellbeing Scores

BMT Emotional Wellbeing Score	OR	CI Lower	CI Upper	p value
Score	0.941	0.85	1.042	0.245

3.3.4 FACT - BMT Functional Wellbeing Score

Summary of Readmissions

	n	Mean	Std	Min	Median	Max
Number of Readmissions	148	18.82793	5.430438	0	18.6	28

Logistic Regression between Readmissions and Functional Wellbeing Scores

BMT Functional Wellbeing Score	OR	CI Lower	CI Upper	p value
Score	0.964	0.907	1.025	0.242

3.3.5 FACT - BMT Subscale

Summary of Readmissions

	n	Mean	Std	Min	Median	Max
Number of Readmissions	148	28.70496	5.352589	15	29	40

Logistic Regression between Readmissions and BMTS

BMTS	OR	CI Lower	CI Upper	p value
BMTS Subscale	1.004	0.943	1.069	0.903

4 Association Between Readmissions and Pre-Transplant Disease Related Characteristics

4.1 HCT-CI

Summary of Readmissions

	n	Mean	Std	Min	Median	Max
Number of Readmissions	148	1.986487	1.319588	0	2	7

Summary of HCT-CI Raw Scores

HCT-CI Raw Score	Frequency	%
0	19	12.838
1	37	25.000
2	44	29.730
3	29	19.595
4	16	10.811
5	1	0.676
6	1	0.676
7	1	0.676

Summary of HCT-CI Raw Scores (3 Groups)

HCT-CI Score	Frequency	%
0	19	12.838
1-2	81	54.730
3+	48	32.432

Note: 1: Score=0; 2: Score=1-2; 3: Score=3+

Logistic Regression between Readmissions and HCT-CI Raw Scores

HCT-CI	OR	CI Lower	CI Upper	p value
HCT-CI Raw Score	1.087	0.844	1.4	0.519

Summary of Readmissions by HCT-CI Raw Scores (3 Groups)

	Readmissions	No Readmission	(%)	Readmission	(%)	Total	(%)
HCT-CI (3 Groups)							
0		12	66.67	6	33.33	18	100
1-2		48	59.26	33	40.74	81	100
3+		30	62.5	18	37.5	48	100
Total		90	61.22	57	38.78	147	100

Logistic Regression between Readmissions and HCT-CI Raw Scores (3 Groups)

HCT-CI (3 Groups)	OR	CI Lower	CI Upper	p value
1-2 vs 0	1.375	0.469	4.031	0.562
3+ vs 0	1.200	0.383	3.756	0.754

4.2 Disease Status at Transplant

Summary of Readmissions

	n	Mean	Std	Min	Median	Max
Readmissions	148	3.452703	2.881644	1	2	10

Summary of Disease Status

Disease Status	Frequency	%
1	65	43.919
2	19	12.838
3	3	2.027
4	13	8.784
5	8	5.405
6	1	0.676
7	25	16.892
8	7	4.730
10	7	4.730

Summary of Disease Status (2 Groups)

Disease Status (2 Groups)	Frequency	%
CR1/PR1	78	55.319
Others	63	44.681

Note: CR1/PR1 (n=78), Others (n=63), exclude Unknown and Other (9, 10)

Summary of Readmission by Disease Status (2 Groups)

	Readmissions	No Readmission	(%)	Readmission	(%)	Total	(%)
Disease Status (2 Groups)							
CR1/PR1		44	57.14	33	42.86	77	100
Others		40	63.49	23	36.51	63	100
Total		84	60	56	40	140	100

Logistic Regression between Readmissions and Disease Status (2 Groups)

Disease Status (2 Groups)	OR	CI Lower	CI Upper	p value
Others vs CR1/PR1	0.767	0.387	1.518	0.446

4.3 CIBMTR

Summary of Readmissions

	n	Mean	Std	Min	Median	Max
Number of Readmissions	148	0.8513514	1.156848	0	0	9

Summary of CIBMTR

CIBMTR	Frequency	%
0	78	52.703
1	26	17.568
2	38	25.676
3	5	3.378
9	1	0.676

Summary of CIBMTR (2 Groups)

CIBMTR (2 Groups)	Frequency	%
Low	78	54.93
Intermediate/High	64	45.07

Note: Low (n=78); Intermediate/High (n=64);
Exclude Other and Unknown (3, 9)

Summary of CIBMTR (3 Groups)

CIBMTR (3 Groups)	Frequency	%
Low	78	54.930
Intermediate	26	18.310
High	38	26.761

Note: Low (n=78); Intermediate (n=26); High
(n=38); Exclude Other and Unknown (3, 9)

Summary of Readmissions by CIBMTR

	Readmissions	No Readmission	(%)	Readmission	(%)	Total	(%)
CIBMTR							
1		49	63.64	28	36.36	77	100
2		15	57.69	11	42.31	26	100
3		23	60.53	15	39.47	38	100
4		2	40	3	60	5	100
5		1	100	0	0	1	100
Total		90	61.22	57	38.78	147	100

Logistic Regression between Readmissions and CIBMTR

CIBMTR	OR	CI Lower	CI Upper	p value
CIBMTR	1.025	0.77	1.363	0.867

Summary of Readmissions by CIBMTR (2 Groups)

	Readmissions	No Readmission	(%)	Readmission	(%)	Total	(%)
CIBMTR (2 Groups)							
Low		49	63.64	28	36.36	77	100
Intermediate/High		38	59.38	26	40.62	64	100
Total		87	61.7	54	38.3	141	100

Logistic Regression between Readmissions and CIBMTR (2 Groups)

CIBMTR (2 Groups)	OR	CI Lower	CI Upper	p value
Intermediate/High vs Low	1.197	0.606	2.367	0.604

Summary of Readmissions by CIBMTR (3 Groups)

	Readmissions	No Readmission	(%)	Readmission	(%)	Total	(%)
CIBMTR (3 Groups)							
Low		49	63.64	28	36.36	77	100
Intermediate		15	57.69	11	42.31	26	100
High		23	60.53	15	39.47	38	100
Total		87	61.7	54	38.3	141	100

Logistic Regression between Readmissions and CIBMTR (3 Groups)

CIBMTR (3 Groups)	OR	CI Lower	CI Upper	p value
Intermediate vs Low	1.283	0.519	3.176	0.589
High vs Low	1.141	0.513	2.538	0.746

4.4 Transplant Intensity

Summary of Transplant Intensity

Transplant Intensity	Frequency	%
Fully Ablative	47	31.757
Non-Myeloablative	101	68.243

Note:

Fully Ablative: Intensity = 0, Non-Myeloablative:
Intensity = 1

Summary of Readmissions by Transplant Intensity

	Readmissions	No Readmission	(%)	Readmission	(%)	Total	(%)
Transplant Intensity							
Fully Ablative		30	65.22	16	34.78	46	100
Non-Myeloablative		60	59.41	41	40.59	101	100
Total		90	61.22	57	38.78	147	100

Logistic Regression between Readmission and Transplant Intensity

Transplant Intensity	OR	CI Lower	CI Upper	p value
Non-Myeloablative vs Fully Ablative	1.281	0.62	2.646	0.503

4.5 Diagnosis

Diagnosis

	n	Mean	Std	Min	Median	Max
Number of Readmissions	148	2.898649	2.375441	1	2	8

Summary of Diagnoses

Diagnosis	Frequency	%
1	63	42.568
2	14	9.459
3	38	25.676
4	8	5.405
6	2	1.351
7	4	2.703
8	19	12.838

Summary of Diagnoses (3 Groups)

Diagnosis (3 Groups)	Frequency	%
AML	63	42.568
Others	47	31.757
MDS	38	25.676

Summary of Readmissions by Diagnoses

	Readmissions	No Readmission	(%)	Readmission	(%)	Total	(%)
Diagnosis							
1		40	63.49	23	36.51	63	100
2		7	53.85	6	46.15	13	100
3		23	60.53	15	39.47	38	100
4		4	50	4	50	8	100
5		1	50	1	50	2	100
6		2	50	2	50	4	100
7		13	68.42	6	31.58	19	100
Total		90	61.22	57	38.78	147	100

Logistic Regression between Readmissions and Diagnoses

Diagnosis	OR	CI Lower	CI Upper	p value
Diagnosis	0.992	0.862	1.141	0.911

Summary of Readmissions by Diagnoses (3 Groups)

	Readmissions	No Readmission	(%)	Readmission	(%)	Total	(%)
Diagnosis (3 Groups)							
AML		40	63.49	23	36.51	63	100
Others		27	58.7	19	41.3	46	100
MDS		23	60.53	15	39.47	38	100
Total		90	61.22	57	38.78	147	100

Logistic Regression between Readmissions and Diagnoses (3 Groups)

Diagnosis (3 Groups)	OR	CI Lower	CI Upper	p value
Others vs AML	1.224	0.561	2.668	0.612
MDS vs AML	1.134	0.495	2.597	0.766