

Table 3: Any revision by patient characteristics					
	No revision		Any revision		
	%/Mean	N	%/Mean	N	p
Race					
White	43	88	20	41	0.37
Black	19	39	11	23	
Other	5	10	1	2	
Gender					
Male	50	102	27	55	0.16
Female	17	35	5	11	
HIV					
No	67	136	33	66	0.49
Yes	1	1	0	0	
Hepatitis C					
No	65	132	32	65	0.4
Yes	2	5	1	1	
Diabetes					
No	62	125	28	57	0.29
Yes	6	12	4	9	
Open Injury					
Yes	15	31	6	13	0.64
No	52	106	26	53	
Mechanism					
High energy blunt	45	91	22	45	0.08
GSW	2	5	2	5	
Fall	7	15	1	1	
Other	13	26	7	15	
Vascular Injury					
No	63	128	28	57	0.1
Yes	4	9	4	9	
Flap Type					
None	46	94	12	25	<0.001
Rotational	9	19	7	14	
Free	12	24	13	27	
Flap size (mean cm²)	45	136	145	65	0.001
BMI (mean units)	28	137	28	66	0.37
Post op Infection					
No	43	88	15	31	0.02
Yes	24	49	17	35	
NSAID at admission					
No	53	108	27	54	0.25

Yes	10	21	3	6	
Missing	4	8	3	6	
Opioid at admission					
No	31	62	15	31	0.76
Yes	33	66	15	30	
Missing	4	9	2	5	
Smoker					
No	42	85	19	39	0.69
Yes	26	52	13	27	
Alcohol use					
No	42	85	16	33	0.13
Yes	26	52	16	32	
Missing	0.00	0	1	1	
Insurance					
Private/WC/Other	38	78	12	24	0.003
Medicaid/None	24	48	13	27	
Medicare	5	11	7	15	
Age (mean years)	41	137	40	66	0.65
Gap (mean distance mm)	15	137	27	66	0.001
Surgery					
Segmental Defect	19	38	11	22	0.41
Tibia Nonunion	49	99	22	44	
Weight bearing					
FFWB/WBAT	26	53	16	32	0.14
NWB	40	81	15	31	
Biologics					
No	48	98	23	47	0.77
Yes	16	32	8	17	
Missing	3	7	1	2	
Timing of positive cultures					
Negative Culture/No Infection	40	82	13	26	<0.001
Pre-op Positive Culture/Established Infection	7	15	4	8	
Unanticipated Intraoperative Positive Culture	19	38	9	18	
Post-op	1	2	7	14	
NSAID at discharge					
No	51	103	25	50	0.64

Yes	12	25	5	10	
Missing	4	9	3	6	
Opioid at discharge					
No	10	21	8	17	0.07
Yes	52	106	22	44	
Missing	5	10	2	5	
Surgical Technique					
Graft	55	111	30	60	0.07
Compression	13	26	3	6	
Graft type					
Iliac	13	27	5	10	0.31
Metaphyseal	23	46	10	21	
Diaphyseal	13	27	4	8	
Allograft	13	27	10	20	
No graft	5	10	3	7	