

Supplemental Table 1S. Patient attributes and provider type for extraction encounters (simple vs. complex) and prosthetic fixed encounters (implant vs. non-implant) for dental encounters from 9/1/18 – 8/30/19 with a billed procedure.

Procedure Type:	Extractions N=9743		Prosthetic Fixed N=952	
	Simple N=5765 (%)	Complex N=3978 (%)	Implant N=652 (%)	Non-implant N=300 (%)
Age				
<12	16.7	0.5	0	0.3
12-17	7.8	8.8	0.8	0
18-25	4.7	22.7	5.8	2.0
26-45	22.1	28.7	14.0	12.7
46-65	29.7	24.8	48.2	42.3
66+	19.0	14.7	31.3	42.7
Female	53.0	56.9	58.0	55.7
White	49.7	54.5	81.8	75.7
Black	19.3	18.0	2.3	5.0
Asian	10.4	7.8	8.1	5.7
Other †	4.3	3.9	1.2	2.7
Unknown	16.4	15.9	6.6	11.0
Hispanic	5.5	5.5	1.2	3.7
Medicaid	48.5	49.2	5.7	7.3
Needs interpreter	9.1	4.8	0	3.0
Provider type				
General Dentist	80.5	38.5	31.1	94.3
Endodontist	0	0	0	0
Oral Surgeon	12.4	61.0	37.3	0
Pediatric Dentist	6.6	0	0	0.3
Periodontist	0.5	0.6	9.2	0
Prosthodontist	0.03	0	22.4	5.3

Notes:

† Other includes Native American, Pacific Islander, multiple races, or other

Supplemental Table 2S. Percentage of encounters with an opioid prescription within 7 days of the index encounter, for extraction encounters (simple vs. complex) and prosthetic fixed encounters (implant vs. non-implant), by patient attributes, and provider type.

Procedure Type:	Extractions N=9743		Prosthetic Fixed N=952	
	Simple N=5765 (%)	Complex N=3978 (%)	Implant N=652 (%)	Non-implant N=300 (%)
N (%) with opioid R	359 6.2	2161 54.3	88 13.5	0 0
Age				
<12	0.1	16.7 ^a	0 ^a	0 ^a
12-17	1.6	86.3	40.0 ^a	0 ^a
18-25	15.0	85.8	23.7	0
26-45	10.1	51.6	13.2	0
46-65	7.7	35.3	15.3	0
66+	4.5	25.3	8.3	0
Female	6.4	54.8	13.0	0
Male	6.1	53.7	14.2	0
White	7.1	51.0	13.3	0
Black	5.8	56.0	33.3 ^a	0 ^a
Asian	4.0	64.7	11.3	0 ^a
Other †	4.9	61.0	12.5 ^a	0 ^a
Unknown	5.9	57.0	11.6	0
Hispanic	5.6	68.7	12.5 ^a	0 ^a
Not Hispanic or missing	6.3	53.5	13.5	0
Medicaid	5.7	54.5	32.4	0
Other payment	6.7	54.2	12.4	0
Needs interpreter	2.9	38.0	0 ^a	0 ^a
Does not need interpreter	6.6	55.2	13.5	0
Provider type				
General Dentist	4.2	19.0	0	0
Endodontist	0	0 ^a	0 ^a	0 ^a
Oral Surgeon	22.1	77.0	32.1	0 ^a
Pediatric Dentist	0.3	0 ^a	0 ^a	0 ^a
Periodontist	14.8	18.2	16.7	0 ^a
Prosthodontist	0 ^a	0 ^a	0	0 ^a

Notes:

† Other includes Native American, Pacific Islander, multiple races, or other

^a Denominator N < 20