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Pro Bill Analysis

– Historical Analysis of Billed Charges –

Patient Name: Daenerys Targaryen

Prepared For: AccuMed Healthcare Research LLC
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Date: August 5, 2024

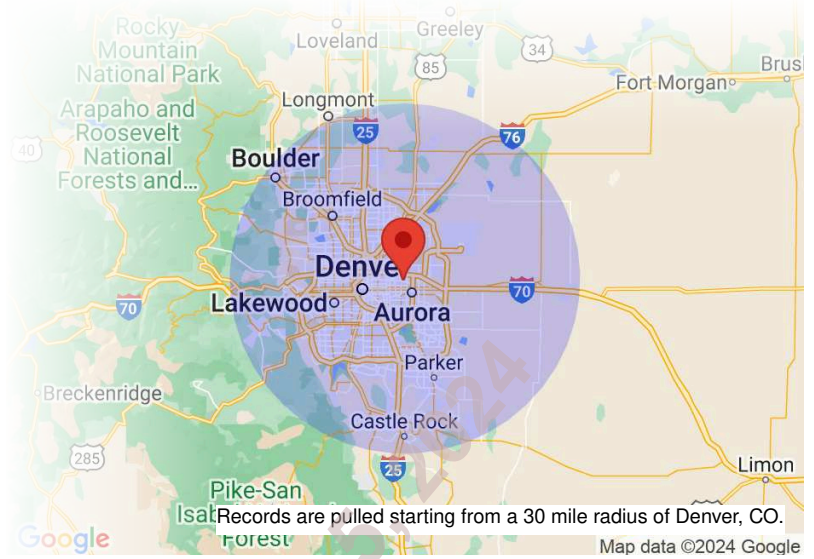
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Daenerys Targaryen

This report analyzes the patient's medical treatment from 08/17/2019 to 12/14/2020 and arrives at the reasonable value for the services in their area. In the development of this report, a total of 1,762,718 historical records of providers performing similar procedures were identified. For information on data sources and methodologies, please reference the appendices.



Bill Analysis Summary:

Denver, CO Providers	Total Billed Charges	Not Analyzed ¹	Analyzed Charges	Reasonable Value
Anesthesiology Specialists: Ros Me, MD	\$ 6,500.00	\$ -	\$ 6,500.00	\$ 7,220
Associates of Radiology	86.00	-	86.00	95
Casterly Rock Pain Management: Jon Snow, DO	2,500.00	-	2,500.00	1,331
Casterly Rock Pain Management: Khal Drogo, MD	3,525.00	-	3,525.00	3,795
Diversified Radiology of Dragonstone	370.00	-	370.00	936
Dorne Imaging Center	2,680.00	-	2,680.00	3,327
Dragonstone Medical Center	35,901.46	1.26	35,900.20	31,002
Emergency Medicine Specialists: Ed Stark, MD	1,058.00	-	1,058.00	1,150
Emergency Medicine Specialists: Sansa Stark, MD	1,091.00	-	1,091.00	1,438
King's Landing Physical Therapy	7,654.00	-	7,654.00	10,872
Riverrun Medical Center	8,454.24	212.85	8,241.39	7,142
Stepstones Orthopedic: Marg Tyrell, MD	21,550.00	-	21,550.00	22,958
Stepstones Orthopedic: Nymeria Sand, PA-C	10,000.00	-	10,000.00	12,108
Stepstones Orthopedic: Radiology	252.00	-	252.00	238
Surgery Center at Sunspear	10,020.00	-	10,020.00	15,014
Valyria Back Pain Providers: El Sand, PT	2,256.00	-	2,256.00	1,532
Winterfell Hospital 1/2/20 - 1/14/20	276,058.76	-	276,058.76	313,693
	\$ 389,956.46	\$ 214.11	\$ 389,742.35	\$ 433,851

¹ Not analyzed due to insufficient information

Patient Name: Daenerys Targaryen
 Location: Denver, CO
 Treatment Range: 08/17/19 - 12/14/20

Itemized Bill Charges

This section lists the bills that Daenerys Targaryen incurred for the treatment of her injuries. Each bill details the specific procedures and their reasonable value in the patient's area.

Provider	Anesthesiology Specialists: Ros Me, MD				
#1	01/02/20 - 01/02/20				
	Date	Code	Units	Description	Reasonable Value
	01/02/20	00670	1	Anesthesia for extensive spine and spinal cord procedures (eg, spinal instrumentation or vascular procedures)	\$ 7,220
	Total Bill				\$ 7,220
Provider	Associates of Radiology				
#2	03/16/20 - 03/16/20				
	Date	Code	Units	Description	Reasonable Value
	03/16/20	73110	1	Radiologic examination, wrist; complete, minimum of 3 views	\$ 47
03/16/20	73610	1	Radiologic examination, ankle; complete, minimum of 3 views	48	
	Total Bill				\$ 95
Provider	Casterly Rock Pain Management: Jon Snow, DO				
#3	07/14/20 - 07/14/20				
	Date	Code	Units	Description	Reasonable Value
	07/14/20	64483	1	Injection(s), anesthetic agent and/or steroid, transforaminal epidural, with imaging guidance (fluoroscopy or CT); lumbar or sacral, single level	\$ 1,331
	Total Bill				\$ 1,331

Patient Name: Daenerys Targaryen
 Location: Denver, CO
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Casterly Rock Pain Management: Khal Drogo, MD

08/19/19 - 12/14/20

**Provider
#4**

<u>Date</u>	<u>Code</u>	<u>Units</u>	<u>Description</u>	<u>Reasonable Value</u>
08/19/19	99205	1	Office or other outpatient visit for the evaluation and management of a new patient, which requires a medically appropriate history and/or examination and high level of medical decision making	\$ 763
09/16/19	99213	1	Office or other outpatient visit for the evaluation and management of an established patient, which requires a medically appropriate history and/or examination and low level of medical decision making.	275
09/30/19	99213	1	Office or other outpatient visit for the evaluation and management of an established patient, which requires a medically appropriate history and/or examination and low level of medical decision making.	275
10/31/19	99213	1	Office or other outpatient visit for the evaluation and management of an established patient, which requires a medically appropriate history and/or examination and low level of medical decision making.	275

Patient Name: Daenerys Targaryen
 Location: Denver, CO
 Treatment Range: 08/17/19 - 12/14/20

Casterly Rock Pain Management: Khal Drogo, MD (Cont.)

**Provider
#4**

<u>Date</u>	<u>Code</u>	<u>Units</u>	<u>Description</u>	<u>Reasonable Value</u>
12/04/19	99213	1	Office or other outpatient visit for the evaluation and management of an established patient, which requires a medically appropriate history and/or examination and low level of medical decision making.	275
02/12/20	99213	1	Office or other outpatient visit for the evaluation and management of an established patient, which requires a medically appropriate history and/or examination and low level of medical decision making.	276
03/31/20	99213	1	Office or other outpatient visit for the evaluation and management of an established patient, which requires a medically appropriate history and/or examination and low level of medical decision making.	276
05/15/20	99213	1	Office or other outpatient visit for the evaluation and management of an established patient, which requires a medically appropriate history and/or examination and low level of medical decision making.	276
06/23/20	99213	1	Office or other outpatient visit for the evaluation and management of an established patient, which requires a medically appropriate history and/or examination and low level of medical decision making.	276

Patient Name: Daenerys Targaryen
 Location: Denver, CO
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Casterly Rock Pain Management: Khal Drogo, MD (Cont.)

**Provider
#4**

<u>Date</u>	<u>Code</u>	<u>Units</u>	<u>Description</u>	<u>Reasonable Value</u>
07/21/20	99213	1	Office or other outpatient visit for the evaluation and management of an established patient, which requires a medically appropriate history and/or examination and low level of medical decision making.	276
09/04/20	99213	1	Office or other outpatient visit for the evaluation and management of an established patient, which requires a medically appropriate history and/or examination and low level of medical decision making.	276
12/14/20	99213	1	Office or other outpatient visit for the evaluation and management of an established patient, which requires a medically appropriate history and/or examination and low level of medical decision making.	276
Total Bill				\$ 3,795

Diversified Radiology of Dragonstone

08/17/19 - 08/17/19

**Provider
#5**

<u>Date</u>	<u>Code</u>	<u>Units</u>	<u>Description</u>	<u>Reasonable Value</u>
08/17/19	70450	1	Computed tomography, head or brain; without contrast material	\$ 196
08/17/19	72125	1	Computed tomography, cervical spine; without contrast material	264
08/17/19	72128	1	Computed tomography, thoracic spine; without contrast material	238
08/17/19	72131	1	Computed tomography, lumbar spine; without contrast material	238
Total Bill				\$ 936

Patient Name: Daenerys Targaryen
 Location: Denver, CO
 Treatment Range: 08/17/19 - 12/14/20

Dorne Imaging Center

09/24/19 - 09/24/19

**Provider
#6**

<u>Date</u>	<u>Code</u>	<u>Units</u>	<u>Description</u>	<u>Reasonable Value</u>
09/24/19	72148	1	Magnetic resonance (eg, proton) imaging, spinal canal and contents, lumbar; without contrast material	\$ 1,585
09/24/19	73721	1	Magnetic resonance (eg, proton) imaging, any joint of lower extremity; without contrast material	1,742
Total Bill				\$ 3,327

Dragonstone Medical Center

08/17/19 - 08/17/19

**Provider
#7**

<u>Date</u>	<u>Code</u>	<u>Units</u>	<u>Description</u>	<u>Reasonable Value</u>
08/17/19	70450	1	Computed tomography, head or brain; without contrast material	\$ 4,525
08/17/19	72125	1	Computed tomography, cervical spine; without contrast material	6,088
08/17/19	72128	1	Computed tomography, thoracic spine; without contrast material	6,887
08/17/19	72131	1	Computed tomography, lumbar spine; without contrast material	6,575
08/17/19	99284	1	Emergency department visit for the evaluation and management of a patient, which requires a medically appropriate history and/or examination and moderate level of medical decision making	6,927
Total Bill				\$ 31,002

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Emergency Medicine Specialists: Ed Stark, MD

03/16/20 - 03/16/20

**Provider
#8**

<u>Date</u>	<u>Code</u>	<u>Units</u>	<u>Description</u>	<u>Reasonable Value</u>
03/16/20	29515	1	Application of short leg splint (calf to foot)	\$ 166
03/16/20	99284	1	Emergency department visit for the evaluation and management of a patient, which requires a medically appropriate history and/or examination and moderate level of medical decision making	984
Total Bill				\$ 1,150

Emergency Medicine Specialists: Sansa Stark, MD

08/17/19 - 08/17/19

**Provider
#9**

<u>Date</u>	<u>Code</u>	<u>Units</u>	<u>Description</u>	<u>Reasonable Value</u>
08/17/19	99285	1	Emergency department visit, problem with significant threat to life or function	\$ 1,438
Total Bill				\$ 1,438

King's Landing Physical Therapy

01/17/20 - 09/28/20

**Provider
#10**

<u>Date</u>	<u>Code</u>	<u>Units</u>	<u>Description</u>	<u>Reasonable Value</u>
01/17/20	97112	2	Therapeutic procedure, 1 or more areas, each 15 minutes; neuromuscular reeducation of movement, balance, coordination, kinesthetic sense, posture, and/or proprioception for sitting and/or standing activities	\$ 140
01/20/20	97110	4	Therapeutic procedure, 1 or more areas, each 15 minutes; therapeutic exercises to develop strength and endurance, range of motion and flexibility	286

Patient Name: Daenerys Targaryen
 Location: Denver, CO
 Treatment Range: 08/17/19 - 12/14/20

King's Landing Physical Therapy (Cont.)

<u>Date</u>	<u>Code</u>	<u>Units</u>	<u>Description</u>	<u>Reasonable Value</u>
01/25/20	97112	3	Therapeutic procedure, 1 or more areas, each 15 minutes; neuromuscular reeducation of movement, balance, coordination, kinesthetic sense, posture, and/or proprioception for sitting and/or standing activities	210
01/28/20	97112	4	Therapeutic procedure, 1 or more areas, each 15 minutes; neuromuscular reeducation of movement, balance, coordination, kinesthetic sense, posture, and/or proprioception for sitting and/or standing activities	280
01/30/20	97110	4	Therapeutic procedure, 1 or more areas, each 15 minutes; therapeutic exercises to develop strength and endurance, range of motion and flexibility	286
02/10/20	97110	4	Therapeutic procedure, 1 or more areas, each 15 minutes; therapeutic exercises to develop strength and endurance, range of motion and flexibility	286
02/15/20	97110	4	Therapeutic procedure, 1 or more areas, each 15 minutes; therapeutic exercises to develop strength and endurance, range of motion and flexibility	286
02/23/20	97110	2	Therapeutic procedure, 1 or more areas, each 15 minutes; therapeutic exercises to develop strength and endurance, range of motion and flexibility	143
03/01/20	97110	4	Therapeutic procedure, 1 or more areas, each 15 minutes; therapeutic exercises to develop strength and endurance, range of motion and flexibility	286

**Provider
#10**

Patient Name: Daenerys Targaryen
 Location: Denver, CO
 Treatment Range: 08/17/19 - 12/14/20

King's Landing Physical Therapy (Cont.)

<u>Date</u>	<u>Code</u>	<u>Units</u>	<u>Description</u>	<u>Reasonable Value</u>
03/07/20	97110	2	Therapeutic procedure, 1 or more areas, each 15 minutes; therapeutic exercises to develop strength and endurance, range of motion and flexibility	143
03/13/20	97112	4	Therapeutic procedure, 1 or more areas, each 15 minutes; neuromuscular reeducation of movement, balance, coordination, kinesthetic sense, posture, and/or proprioception for sitting and/or standing activities	280
03/21/20	97110	4	Therapeutic procedure, 1 or more areas, each 15 minutes; therapeutic exercises to develop strength and endurance, range of motion and flexibility	286
03/28/20	97112	3	Therapeutic procedure, 1 or more areas, each 15 minutes; neuromuscular reeducation of movement, balance, coordination, kinesthetic sense, posture, and/or proprioception for sitting and/or standing activities	210
03/30/20	97110	4	Therapeutic procedure, 1 or more areas, each 15 minutes; therapeutic exercises to develop strength and endurance, range of motion and flexibility	286
04/05/20	97110	4	Therapeutic procedure, 1 or more areas, each 15 minutes; therapeutic exercises to develop strength and endurance, range of motion and flexibility	286
04/12/20	97110	2	Therapeutic procedure, 1 or more areas, each 15 minutes; therapeutic exercises to develop strength and endurance, range of motion and flexibility	143

**Provider
#10**

Patient Name: Daenerys Targaryen
 Location: Denver, CO
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King's Landing Physical Therapy (Cont.)

**Provider
#10**

<u>Date</u>	<u>Code</u>	<u>Units</u>	<u>Description</u>	<u>Reasonable Value</u>
04/25/20	97110	2	Therapeutic procedure, 1 or more areas, each 15 minutes; therapeutic exercises to develop strength and endurance, range of motion and flexibility	143
04/29/20	97110	2	Therapeutic procedure, 1 or more areas, each 15 minutes; therapeutic exercises to develop strength and endurance, range of motion and flexibility	143
05/02/20	97110	2	Therapeutic procedure, 1 or more areas, each 15 minutes; therapeutic exercises to develop strength and endurance, range of motion and flexibility	143
05/09/20	97110	4	Therapeutic procedure, 1 or more areas, each 15 minutes; therapeutic exercises to develop strength and endurance, range of motion and flexibility	286
05/14/20	97110	3	Therapeutic procedure, 1 or more areas, each 15 minutes; therapeutic exercises to develop strength and endurance, range of motion and flexibility	215
05/21/20	97112	4	Therapeutic procedure, 1 or more areas, each 15 minutes; neuromuscular reeducation of movement, balance, coordination, kinesthetic sense, posture, and/or proprioception for sitting and/or standing activities	280
05/29/20	97110	2	Therapeutic procedure, 1 or more areas, each 15 minutes; therapeutic exercises to develop strength and endurance, range of motion and flexibility	143

Patient Name: Daenerys Targaryen
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King's Landing Physical Therapy (Cont.)

**Provider
#10**

<u>Date</u>	<u>Code</u>	<u>Units</u>	<u>Description</u>	<u>Reasonable Value</u>
05/29/20	97112	2	Therapeutic procedure, 1 or more areas, each 15 minutes; neuromuscular reeducation of movement, balance, coordination, kinesthetic sense, posture, and/or proprioception for sitting and/or standing activities	140
06/02/20	97110	4	Therapeutic procedure, 1 or more areas, each 15 minutes; therapeutic exercises to develop strength and endurance, range of motion and flexibility	286
06/07/20	97112	3	Therapeutic procedure, 1 or more areas, each 15 minutes; neuromuscular reeducation of movement, balance, coordination, kinesthetic sense, posture, and/or proprioception for sitting and/or standing activities	210
06/08/20	97110	2	Therapeutic procedure, 1 or more areas, each 15 minutes; therapeutic exercises to develop strength and endurance, range of motion and flexibility	143
06/10/20	97112	1	Therapeutic procedure, 1 or more areas, each 15 minutes; neuromuscular reeducation of movement, balance, coordination, kinesthetic sense, posture, and/or proprioception for sitting and/or standing activities	70
06/16/20	97110	4	Therapeutic procedure, 1 or more areas, each 15 minutes; therapeutic exercises to develop strength and endurance, range of motion and flexibility	286

Patient Name: Daenerys Targaryen
 Location: Denver, CO
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King's Landing Physical Therapy (Cont.)

**Provider
#10**

<u>Date</u>	<u>Code</u>	<u>Units</u>	<u>Description</u>	<u>Reasonable Value</u>
06/19/20	97112	4	Therapeutic procedure, 1 or more areas, each 15 minutes; neuromuscular reeducation of movement, balance, coordination, kinesthetic sense, posture, and/or proprioception for sitting and/or standing activities	280
06/21/20	97110	2	Therapeutic procedure, 1 or more areas, each 15 minutes; therapeutic exercises to develop strength and endurance, range of motion and flexibility	143
06/24/20	97112	3	Therapeutic procedure, 1 or more areas, each 15 minutes; neuromuscular reeducation of movement, balance, coordination, kinesthetic sense, posture, and/or proprioception for sitting and/or standing activities	210
06/27/20	97110	2	Therapeutic procedure, 1 or more areas, each 15 minutes; therapeutic exercises to develop strength and endurance, range of motion and flexibility	143
06/30/20	97112	3	Therapeutic procedure, 1 or more areas, each 15 minutes; neuromuscular reeducation of movement, balance, coordination, kinesthetic sense, posture, and/or proprioception for sitting and/or standing activities	210
07/06/20	97110	4	Therapeutic procedure, 1 or more areas, each 15 minutes; therapeutic exercises to develop strength and endurance, range of motion and flexibility	286

Patient Name: Daenerys Targaryen
 Location: Denver, CO
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King's Landing Physical Therapy (Cont.)

<u>Date</u>	<u>Code</u>	<u>Units</u>	<u>Description</u>	<u>Reasonable Value</u>
07/07/20	97112	4	Therapeutic procedure, 1 or more areas, each 15 minutes; neuromuscular reeducation of movement, balance, coordination, kinesthetic sense, posture, and/or proprioception for sitting and/or standing activities	280
07/13/20	97110	4	Therapeutic procedure, 1 or more areas, each 15 minutes; therapeutic exercises to develop strength and endurance, range of motion and flexibility	286
07/14/20	97112	4	Therapeutic procedure, 1 or more areas, each 15 minutes; neuromuscular reeducation of movement, balance, coordination, kinesthetic sense, posture, and/or proprioception for sitting and/or standing activities	280
07/23/20	97110	3	Therapeutic procedure, 1 or more areas, each 15 minutes; therapeutic exercises to develop strength and endurance, range of motion and flexibility	215
07/24/20	97112	3	Therapeutic procedure, 1 or more areas, each 15 minutes; neuromuscular reeducation of movement, balance, coordination, kinesthetic sense, posture, and/or proprioception for sitting and/or standing activities	210
07/27/20	97110	3	Therapeutic procedure, 1 or more areas, each 15 minutes; therapeutic exercises to develop strength and endurance, range of motion and flexibility	215
08/04/20	97110	3	Therapeutic procedure, 1 or more areas, each 15 minutes; therapeutic exercises to develop strength and endurance, range of motion and flexibility	215

**Provider
#10**

Patient Name: Daenerys Targaryen
 Location: Denver, CO
 Treatment Range: 08/17/19 - 12/14/20

King's Landing Physical Therapy (Cont.)

**Provider
#10**

<u>Date</u>	<u>Code</u>	<u>Units</u>	<u>Description</u>	<u>Reasonable Value</u>
08/10/20	97110	3	Therapeutic procedure, 1 or more areas, each 15 minutes; therapeutic exercises to develop strength and endurance, range of motion and flexibility	215
08/17/20	97110	4	Therapeutic procedure, 1 or more areas, each 15 minutes; therapeutic exercises to develop strength and endurance, range of motion and flexibility	286
08/27/20	97110	2	Therapeutic procedure, 1 or more areas, each 15 minutes; therapeutic exercises to develop strength and endurance, range of motion and flexibility	143
08/31/20	97110	3	Therapeutic procedure, 1 or more areas, each 15 minutes; therapeutic exercises to develop strength and endurance, range of motion and flexibility	215
09/14/20	97110	2	Therapeutic procedure, 1 or more areas, each 15 minutes; therapeutic exercises to develop strength and endurance, range of motion and flexibility	143
09/22/20	97110	4	Therapeutic procedure, 1 or more areas, each 15 minutes; therapeutic exercises to develop strength and endurance, range of motion and flexibility	286
09/28/20	97110	4	Therapeutic procedure, 1 or more areas, each 15 minutes; therapeutic exercises to develop strength and endurance, range of motion and flexibility	286
Total Bill				\$ 10,872

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Riverrun Medical Center

03/16/20 - 03/16/20

**Provider
#11**

<u>Date</u>	<u>Code</u>	<u>Units</u>	<u>Description</u>	<u>Reasonable Value</u>
03/16/20	29515	1	Application of short leg splint (calf to foot)	\$ 546
03/16/20	73110	1	Radiologic examination, wrist; complete, minimum of 3 views	1,032
03/16/20	73610	1	Radiologic examination, ankle; complete, minimum of 3 views	1,124
03/16/20	99283	1	Emergency department visit for the evaluation and management of a patient, which requires a medically appropriate history and/or examination and low level of medical decision making	4,355
03/16/20	J1885	1	Injection, ketorolac tromethamine, per 15 mg	85
Total Bill				\$ 7,142

Stepstones Orthopedic: Marg Tyrell, MD

11/10/19 - 01/02/20

**Provider
#12**

<u>Date</u>	<u>Code</u>	<u>Units</u>	<u>Description</u>	<u>Reasonable Value</u>
11/10/19	99213	1	Office or other outpatient visit for the evaluation and management of an established patient, which requires a medically appropriate history and/or examination and low level of medical decision making.	\$ 204
12/16/19	99213	1	Office or other outpatient visit for the evaluation and management of an established patient, which requires a medically appropriate history and/or examination and low level of medical decision making.	204

Patient Name: Daenerys Targaryen
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Stepstones Orthopedic: Marg Tyrell, MD (Cont.)

**Provider
#12**

<u>Date</u>	<u>Code</u>	<u>Units</u>	<u>Description</u>	<u>Reasonable Value</u>
12/29/19	99213	1	Office or other outpatient visit for the evaluation and management of an established patient, which requires a medically appropriate history and/or examination and low level of medical decision making.	204
01/02/20	20937	1	Autograft for spine surgery only (includes harvesting the graft); morselized (through separate skin or fascial incision) (List separately in addition to code for primary procedure)	1,288
01/02/20	22630	1	Arthrodesis, posterior interbody technique, including laminectomy and/or discectomy to prepare interspace (other than for decompression), single interspace; lumbar	7,964
01/02/20	22632	2	Arthrodesis, posterior interbody technique, including laminectomy and/or discectomy to prepare interspace (other than for decompression), single interspace; each additional interspace	4,745
01/02/20	22842	1	Posterior segmental instrumentation (eg, pedicle fixation, dual rods with multiple hooks and sublaminar wires); 3 to 6 vertebral segments (List separately in addition to code for primary procedure)	4,528
01/02/20	22853	3	Insertion of interbody biomechanical device(s) (eg, synthetic cage, mesh) with integral anterior instrumentation for device anchoring (eg, screws, flanges), when performed, to intervertebral disc space in conjunction with interbody arthrodesis, each interspace (List separately in addition to code for primary procedure)	3,821
Total Bill				\$ 22,958

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Stepstones Orthopedic: Nymeria Sand, PA-C

01/02/20 - 01/02/20

**Provider
#13**

<u>Date</u>	<u>Code</u>	<u>Units</u>	<u>Description</u>	<u>Reasonable Value</u>
01/02/20	22630	1	Arthrodesis, posterior interbody technique, including laminectomy and/or discectomy to prepare interspace (other than for decompression), single interspace; lumbar	\$ 4,817
01/02/20	22632	2	Arthrodesis, posterior interbody technique, including laminectomy and/or discectomy to prepare interspace (other than for decompression), single interspace; each additional interspace	2,180
01/02/20	22842	1	Posterior segmental instrumentation (eg, pedicle fixation, dual rods with multiple hooks and sublaminar wires); 3 to 6 vertebral segments (List separately in addition to code for primary procedure)	2,334
01/02/20	22853	3	Insertion of interbody biomechanical device(s) (eg, synthetic cage, mesh) with integral anterior instrumentation for device anchoring (eg, screws, flanges), when performed, to intervertebral disc space in conjunction with interbody arthrodesis, each interspace (List separately in addition to code for primary procedure)	2,777
Total Bill				\$ 12,108

Patient Name: Daenerys Targaryen
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Stepstones Orthopedic: Radiology

11/24/19 - 11/24/19

Provider #14

<u>Date</u>	<u>Code</u>	<u>Units</u>	<u>Description</u>	<u>Reasonable Value</u>
11/24/19	72114	1	Radiologic examination, spine, lumbosacral; complete, including bending views, minimum of 6 views	\$ 238
Total Bill				\$ 238

Surgery Center at Sunspear

07/14/20 - 07/14/20

Provider #15

<u>Date</u>	<u>Code</u>	<u>Units</u>	<u>Description</u>	<u>Reasonable Value</u>
07/14/20	64483	1	Injection(s), anesthetic agent and/or steroid, transforaminal epidural, with imaging guidance (fluoroscopy or CT); lumbar or sacral, single level	\$ 7,507
07/14/20	64483	1	Injection(s), anesthetic agent and/or steroid, transforaminal epidural, with imaging guidance (fluoroscopy or CT); lumbar or sacral, single level	7,507
Total Bill				\$ 15,014

Valyria Back Pain Providers: El Sand, PT

06/17/20 - 08/05/20

Provider #16

<u>Date</u>	<u>Code</u>	<u>Units</u>	<u>Description</u>	<u>Reasonable Value</u>
06/17/20	97140	1	Manual therapy techniques (eg, mobilization/ manipulation, manual lymphatic drainage, manual traction), 1 or more regions, each 15 minutes	\$ 70
06/17/20	97163	1	Physical therapy evaluation: high complexity	150
06/21/20	97110	1	Therapeutic procedure, 1 or more areas, each 15 minutes; therapeutic exercises to develop strength and endurance, range of motion and flexibility	72

Patient Name: Daenerys Targaryen
 Location: Denver, CO
 Treatment Range: 08/17/19 - 12/14/20

Valyria Back Pain Providers: El Sand, PT (Cont.)

**Provider
#16**

<u>Date</u>	<u>Code</u>	<u>Units</u>	<u>Description</u>	<u>Reasonable Value</u>
06/21/20	97140	2	Manual therapy techniques (eg, mobilization/ manipulation, manual lymphatic drainage, manual traction), 1 or more regions, each 15 minutes	140
06/28/20	97110	1	Therapeutic procedure, 1 or more areas, each 15 minutes; therapeutic exercises to develop strength and endurance, range of motion and flexibility	72
06/28/20	97140	2	Manual therapy techniques (eg, mobilization/ manipulation, manual lymphatic drainage, manual traction), 1 or more regions, each 15 minutes	140
07/08/20	97140	3	Manual therapy techniques (eg, mobilization/ manipulation, manual lymphatic drainage, manual traction), 1 or more regions, each 15 minutes	210
07/12/20	97140	3	Manual therapy techniques (eg, mobilization/ manipulation, manual lymphatic drainage, manual traction), 1 or more regions, each 15 minutes	210
07/20/20	97110	1	Therapeutic procedure, 1 or more areas, each 15 minutes; therapeutic exercises to develop strength and endurance, range of motion and flexibility	72
07/20/20	97140	1	Manual therapy techniques (eg, mobilization/ manipulation, manual lymphatic drainage, manual traction), 1 or more regions, each 15 minutes	70
07/20/20	97164	1	Re-evaluation of physical therapy established plan of care	113

Patient Name: Daenerys Targaryen
 Location: Denver, CO
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Valyria Back Pain Providers: El Sand, PT (Cont.)

	<u>Date</u>	<u>Code</u>	<u>Units</u>	<u>Description</u>	<u>Reasonable Value</u>
Provider #16	08/05/20	97110	2	Therapeutic procedure, 1 or more areas, each 15 minutes; therapeutic exercises to develop strength and endurance, range of motion and flexibility	143
	08/05/20	97140	1	Manual therapy techniques (eg, mobilization/ manipulation, manual lymphatic drainage, manual traction), 1 or more regions, each 15 minutes	70
Total Bill					\$ 1,532

Winterfell Hospital 1/2/20 - 1/14/20

01/02/20 - 01/14/20

	<u>Date</u>	<u>Code</u>	<u>Units</u>	<u>Description</u>	<u>Reasonable Value</u>
Provider #17	01/14/20	460	1	Spinal fusion except cervical w/o mcc	\$ 313,693
Procedure Codes: 0SG10AJ					
Total Bill					\$ 313,693

Patient Name: Daenerys Targaryen
Location: Denver, CO
Treatment Range: 08/17/19 - 12/14/20

The following procedures were excluded from the report due to insufficient data:

<u>Bill Title</u>	<u>Code</u>	<u>Units</u>	<u>Description</u>
Dragonstone Medical Center	R0637	1	Self-Administrable Drug
Riverrun Medical Center	R0250	3	Pharmacy

Daenerys Targaryen - Aug 5, 2024

Patient Name:	Daenerys Targaryen
Location:	Denver, CO
Treatment Range:	08/17/19 - 12/14/20

Appendix A – References & Data Sources

Current Procedural Terminology (CPT)

"CPT" is a registered trademark of the American Medical Association. CPT codes and descriptions are copyrighted by the American Medical Association and used herein for explanatory purposes only.

Professional, Device and Center Data

The data contained in this report related to professional providers, durable medical equipment, ambulatory surgery centers, and diagnostic testing facilities is based on providers' fee schedules; representing the full billed charges for specific services.

The report also leverages the American Medical Association's CPT® codebook, Optum360's National Fee Analyzer, the American Society of Anesthesiologists ("ASA") Crosswalk book, EncoderPro, and www.findacode.com.

Hospital & Emergency Department Data

The data contained in this report related to hospitals is sourced from the Nationwide Inpatient Sample of the Healthcare Cost and Utilization Project (the "HCUP NIS") and the Nationwide Emergency Department Sample (the "HCUP NEDS"), which are sponsored by the Agency for Healthcare Research and Quality (an Agency in the US Department of Health and Human Services), bills already reviewed, or the American Hospital Directory.

HCUP databases contain information from a sample of approximately 20% of all inpatient discharges from HCUP-participating hospitals. The information contained in the database includes, among other data elements, primary and secondary diagnosis codes, procedural ("PCS") codes, Diagnosis Related Group ("DRG") codes, and total hospital charges for each patient.

Additional information on HCUP's data and methodologies can be found here:

<https://www.hcup-us.ahrq.gov/nisoverview.jsp>, <https://www.hcup-us.ahrq.gov/nedsoverview.jsp>

Information on HCUP's data partners that contributed to the database can be found here:

<http://www.hcup-us.ahrq.gov/db/hcupdatapartners.jsp>

Information on the American Hospital Directory can be found here: www.ahd.com

Inflation Data

When necessary, the billed charges in the databases are inflated to represent present day costs or, for historical analyses, the year the service occurred. These inflation rates are sourced from the Bureau of Labor Statistics' ("BLS") monthly CPI Reports for Medical Care.

Professional providers' billed charges are inflated according to BLS' Medical Care: Professional Services rates. Facilities' billed charges are inflated according to Medical Care: Hospital and Related Services rates.

Patient Name: Daenerys Targaryen
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The following table summarizes these rates:

	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>
Facility	3.90%	4.50%	4.00%	4.30%	5.10%	3.70%	3.00%	3.00%	3.30%	4.40%	5.50%
Professional	2.10%	1.70%	1.90%	3.10%	-1.80%	0.60%	1.40%	1.70%	4.30%	1.70%	-0.60%

Information on BLS' monthly reports can be found here: <https://www.bls.gov/cpi/tables/supplemental-files/home.htm>

Patient Name:	Daenerys Targaryen
Location:	Denver, CO
Treatment Range:	08/17/19 - 12/14/20

Appendix B - Methodologies

Overview

This report is built with the mission of providing transparency into the billed charges of treatment for a patient receiving care in a specific geographic region and at a specific point in time. This mission guides all decisions in assembling each report.

There are no independent assumptions or opinions on a patient's current state of health, diagnosis, or prognosis. This relies on notes provided by the patients' doctors and the codes on their medical bills for these assessments. There is no review of patients' financial or other resources available to obtain medical care. Reports only analyze billed charge amounts, representing the total charges of the procedures before any third-party contracted rates would apply.

Analysis

The reasonable value is set at the 80th percentile; a broadly accepted metric for determining usual, customary, and reasonable ("UCR") in the healthcare industry. Percentiles of billed charges for professional providers, durable medical equipment, ambulatory surgery centers, and diagnostic testing facilities are determined by searching historical databases for each occurrence of a HCPCS code billed by the same or similar provider the patient received treatment from (e.g. physical therapy from a physical therapist). The data is then filtered to include only providers within a preset radius around a designated location. If there are no occurrences of that code in the selected radius, the radius is enlarged for that code and noted in the report. In circumstances where a national sample is pulled, a geographic adjustment factor is applied to make the values geographically relevant. Percentiles are calculated using the resulting relevant data. Determining the value of hospital charges is done in a similar manner except the hospital database is filtered based on DRG codes and PCS codes instead of HCPCS codes.

Patient Name: Daenerys Targaryen
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Appendix C – Supporting Code Detail

Bill #	Code	Description	Data Source	Radius (miles)	Total Patients	Value / Unit
1	00670	Anesthesia for extensive spine and spinal cord procedures (eg, spinal instrumentation or vascular procedures)	Physician and Other Supplier, PUF 2020	30	710	\$ 7,220
2	73110	Radiologic examination, wrist; complete, minimum of 3 views	Physician and Other Supplier, PUF 2020	30	3,136	\$ 47
2	73610	Radiologic examination, ankle; complete, minimum of 3 views	Physician and Other Supplier, PUF 2020	30	3,282	\$ 48
3	64483	Injection(s), anesthetic agent and/or steroid, transforaminal epidural, with imaging guidance (fluoroscopy or CT); lumbar or sacral, single level	Physician and Other Supplier, PUF 2020	30	3,624	\$ 1,331
4	99205	Office or other outpatient visit for the evaluation and management of a new patient, which requires a medically appropriate history and/or examination and high level of medical decision making	Physician and Other Supplier, PUF 2019	30	632	\$ 763
4	99213	Office or other outpatient visit for the evaluation and management of an established patient, which requires a medically appropriate history and/or examination and low level of medical decision making.	Physician and Other Supplier, PUF 2019	30	5,128	\$ 275
4	99213	Office or other outpatient visit for the evaluation and management of an established patient, which requires a medically appropriate history and/or examination and low level of medical decision making.	Physician and Other Supplier, PUF 2020	30	4,581	\$ 276
5	70450	Computed tomography, head or brain; without contrast material	Physician and Other Supplier, PUF 2019	30	45,964	\$ 196
5	72125	Computed tomography, cervical spine; without contrast material	Physician and Other Supplier, PUF 2019	30	12,724	\$ 264

Patient Name: Daenerys Targaryen
 Location: Denver, CO
 Treatment Range: 08/17/19 - 12/14/20

Bill #	Code	Description	Data Source	Radius (miles)	Total Patients	Value / Unit
5	72128	Computed tomography, thoracic spine; without contrast material	Physician and Other Supplier, PUF 2019	30	1,163	\$ 238
5	72131	Computed tomography, lumbar spine; without contrast material	Physician and Other Supplier, PUF 2019	30	3,328	\$ 238
6	72148	Magnetic resonance (eg, proton) imaging, spinal canal and contents, lumbar; without contrast material	Physician and Other Supplier, PUF 2019	30	8,073	\$ 1,585
6	73721	Magnetic resonance (eg, proton) imaging, any joint of lower extremity; without contrast material	Physician and Other Supplier, PUF 2019	30	5,563	\$ 1,742
7	70450	Computed tomography, head or brain; without contrast material	American Hospital Directory - National Outpatient CPT Data 2019	30	13,315	\$ 4,525
7	72125	Computed tomography, cervical spine; without contrast material	American Hospital Directory - National Outpatient CPT Data 2019	30	5,224	\$ 6,088
7	72128	Computed tomography, thoracic spine; without contrast material	American Hospital Directory - National Outpatient CPT Data 2019	30	441	\$ 6,887
7	72131	Computed tomography, lumbar spine; without contrast material	American Hospital Directory - National Outpatient CPT Data 2019	30	1,126	\$ 6,575
7	99284	Emergency department visit for the evaluation and management of a patient, which requires a medically appropriate history and/or examination and moderate level of medical decision making	American Hospital Directory - National Outpatient CPT Data 2019	30	31,474	\$ 6,927
8	29515	Application of short leg splint (calf to foot)	Physician and Other Supplier, PUF 2017	National w/ GAF	148	\$ 166

Patient Name: Daenerys Targaryen
 Location: Denver, CO
 Treatment Range: 08/17/19 - 12/14/20

Bill #	Code	Description	Data Source	Radius (miles)	Total Patients	Value / Unit
8	99284	Emergency department visit for the evaluation and management of a patient, which requires a medically appropriate history and/or examination and moderate level of medical decision making	Physician and Other Supplier, PUF 2020	30	17,942	\$ 984
9	99285	Emergency department visit, problem with significant threat to life or function	Physician and Other Supplier, PUF 2019	30	69,468	\$ 1,438
10	97112	Therapeutic procedure, 1 or more areas, each 15 minutes; neuromuscular reeducation of movement, balance, coordination, kinesthetic sense, posture, and/or proprioception for sitting and/or standing activities	Physician and Other Supplier, PUF 2020	30	15,853	\$ 70
10	97110	Therapeutic procedure, 1 or more areas, each 15 minutes; therapeutic exercises to develop strength and endurance, range of motion and flexibility	Physician and Other Supplier, PUF 2020	30	24,171	\$ 72
11	29515	Application of short leg splint (calf to foot)	American Hospital Directory - National Outpatient CPT Data 2020	100	160	\$ 546
11	73110	Radiologic examination, wrist; complete, minimum of 3 views	American Hospital Directory - National Outpatient CPT Data 2020	30	1,819	\$ 1,032
11	73610	Radiologic examination, ankle; complete, minimum of 3 views	American Hospital Directory - National Outpatient CPT Data 2020	30	1,873	\$ 1,124
11	99283	Emergency department visit for the evaluation and management of a patient, which requires a medically appropriate history and/or examination and low level of medical decision making	American Hospital Directory - National Outpatient CPT Data 2020	30	13,683	\$ 4,355

Patient Name: Daenerys Targaryen
 Location: Denver, CO
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Bill #	Code	Description	Data Source	Radius (miles)	Total Patients	Value / Unit
11	J1885	Injection, ketorolac tromethamine, per 15 mg	American Hospital Directory - National Outpatient CPT Data 2020	30	6,736	\$ 85
12	99213	Office or other outpatient visit for the evaluation and management of an established patient, which requires a medically appropriate history and/or examination and low level of medical decision making.	Physician and Other Supplier, PUF 2019	30	38,546	\$ 204
12	20937	Autograft for spine surgery only (includes harvesting the graft); morselized (through separate skin or fascial incision) (List separately in addition to code for primary procedure)	Physician and Other Supplier, PUF 2020	National w/ GAF	4,313	\$ 1,288
12	22630	Arthrodesis, posterior interbody technique, including laminectomy and/or discectomy to prepare interspace (other than for decompression), single interspace; lumbar	Physician and Other Supplier, PUF 2020	National w/ GAF	2,199	\$ 7,964
12	22632	Arthrodesis, posterior interbody technique, including laminectomy and/or discectomy to prepare interspace (other than for decompression), single interspace; each additional interspace	Physician and Other Supplier, PUF 2020	National w/ GAF	324	\$ 2,372
12	22842	Posterior segmental instrumentation (eg, pedicle fixation, dual rods with multiple hooks and sublaminar wires); 3 to 6 vertebral segments (List separately in addition to code for primary procedure)	Physician and Other Supplier, PUF 2020	30	592	\$ 4,528
12	22853	Insertion of interbody biomechanical device(s) (eg, synthetic cage, mesh) with integral anterior instrumentation for device anchoring (eg, screws, flanges), when performed, to intervertebral disc space in conjunction with interbody arthrodesis, each interspace (List separately in addition to code for primary procedure)	Physician and Other Supplier, PUF 2020	30	1,118	\$ 1,274

Patient Name: Daenerys Targaryen
 Location: Denver, CO
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Bill #	Code	Description	Data Source	Radius (miles)	Total Patients	Value / Unit
13	22630	Arthrodesis, posterior interbody technique, including laminectomy and/or discectomy to prepare interspace (other than for decompression), single interspace; lumbar	Physician and Other Supplier, PUF 2020	National w/ GAF	979	\$ 4,817
13	22632	Arthrodesis, posterior interbody technique, including laminectomy and/or discectomy to prepare interspace (other than for decompression), single interspace; each additional interspace	Physician and Other Supplier, PUF 2017	National w/ GAF	141	\$ 1,090
13	22842	Posterior segmental instrumentation (eg, pedicle fixation, dual rods with multiple hooks and sublaminar wires); 3 to 6 vertebral segments (List separately in addition to code for primary procedure)	Physician and Other Supplier, PUF 2020	30	359	\$ 2,334
13	22853	Insertion of interbody biomechanical device(s) (eg, synthetic cage, mesh) with integral anterior instrumentation for device anchoring (eg, screws, flanges), when performed, to intervertebral disc space in conjunction with interbody arthrodesis, each interspace (List separately in addition to code for primary procedure)	Physician and Other Supplier, PUF 2020	30	659	\$ 926
14	72114	Radiologic examination, spine, lumbosacral; complete, including bending views, minimum of 6 views	Physician and Other Supplier, PUF 2019	30	340	\$ 238
15	64483	Injection(s), anesthetic agent and/or steroid, transforaminal epidural, with imaging guidance (fluoroscopy or CT); lumbar or sacral, single level	Physician and Other Supplier, PUF 2020	30	2,640	\$ 7,507
15	64483	Injection(s), anesthetic agent and/or steroid, transforaminal epidural, with imaging guidance (fluoroscopy or CT); lumbar or sacral, single level	Physician and Other Supplier, PUF 2020	30	2,640	\$ 7,507
16	97140	Manual therapy techniques (eg, mobilization/ manipulation, manual lymphatic drainage, manual traction), 1 or more regions, each 15 minutes	Physician and Other Supplier, PUF 2020	30	23,440	\$ 70

Patient Name: Daenerys Targaryen
 Location: Denver, CO
 Treatment Range: 08/17/19 - 12/14/20

Bill #	Code	Description	Data Source	Radius (miles)	Total Patients	Value / Unit
16	97163	Physical therapy evaluation: high complexity	Physician and Other Supplier, PUF 2020	30	1,267	\$ 150
16	97110	Therapeutic procedure, 1 or more areas, each 15 minutes; therapeutic exercises to develop strength and endurance, range of motion and flexibility	Physician and Other Supplier, PUF 2020	30	24,171	\$ 72
16	97164	Re-evaluation of physical therapy established plan of care	Physician and Other Supplier, PUF 2020	30	2,356	\$ 113
17	460	Spinal fusion except cervical w/o mcc	National (Nationwide) Inpatient Sample (NIS) 2016	National w/ GAF	2,593	\$ 313,693

Procedure Codes: 0SG10AJ (v10) Fusion 2-4 L Jt w Intbd Fus Dev, Post Appr A Col, Open