

Online Supplement

Original Research

Impact of an Inpatient COPD Care Pathway on Hospital Care Process and Outcome Metrics

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Table 1. Full list of diagnosis codes

Supplemental Table 1. COPD Cohort Inclusions

ICD-10-CM Code	Description	Principal Diagnosis Code - No Additional Coding Requirements	Principal Diagnosis Code - Requires Secondary Diagnosis Code of J44.0 or J44.1
J41.0	Simple chronic bronchitis	Y	-
J41.1	Mucopurulent chronic bronchitis	Y	-
J41.8	Mixed simple and mucopurulent chronic bronchitis	Y	-
J42	Unspecified chronic bronchitis	Y	-
J43.0	Unilateral pulmonary emphysema [MacLeod's syndrome]	Y	-
J43.1	Panlobular emphysema	Y	-
J43.2	Centrilobular emphysema	Y	-
J43.8	Other emphysema	Y	-
J43.9	Emphysema, unspecified	Y	-
J44.0	Chronic obstructive pulmonary disease with (acute) lower respiratory infection	Y	-
J44.1	Chronic obstructive pulmonary disease with (acute) exacerbation	Y	-
J44.9	Chronic obstructive pulmonary disease, unspecified	Y	-
J96.00	Acute respiratory failure, unspecified whether with hypoxia or hypercapnia	-	Y
J96.01	Acute respiratory failure with hypoxia	-	Y
J96.02	Acute respiratory failure with hypercapnia	-	Y
J96.20	Acute and chronic respiratory failure, unspecified whether with hypoxia or hypercapnia	-	Y
J96.21	Acute and chronic respiratory failure with hypoxia	-	Y
J96.22	Acute and chronic respiratory failure with hypercapnia	-	Y
J96.90	Respiratory failure, unspecified, unspecified whether with hypoxia or hypercapnia	-	Y
J96.91	Respiratory failure, unspecified with hypoxia	-	Y

J96.92	Respiratory failure, unspecified with hypercapnia	-	Y
R06.03	Acute respiratory distress	-	Y
R09.2	Respiratory arrest	-	Y

Table 2. full list of costs tabulated

Supplemental Table 2. Cost Driver Top 10 Charges

Pharmacy

ERX - 57572 -	20	\$8,568,660.72
ERX - 57568 -	15	\$6,285,400.08
ERX - 56164 - REMDESIVIR 100 MG INTRAVENOUS POWDER FOR SOLUTION	2,127	\$4,923,330.16
NDG - 51975 - 2 ML VIAL : SUGAMMADEX 100 MG-ML INTRAVENOUS SOLUTION	12,329	\$1,753,313.62
NDG - 53256 - 1000 UNITS : HUM PROTHROMBIN CPLX(PCC)4FACT 1,000 UNIT (800-1,240 UNIT) IV SOLUTION	345	\$1,660,269.93
NDG - 03553 - 1 ML VIAL : HEPARIN (PORCINE) 5000 UNIT-ML INJECTION	25,676	\$1,494,306.40
ERX - 58896 -	3	\$1,466,791.17
NDG - 12386 - 200 ML VIAL : IMMUNE GLOBGAMM(IGG) 10 %-PRO-IGA 0 TO 50 MCG-ML INTRAVENOUS SOLUTION	287	\$1,313,951.16
ERX - 12689 - RIFAXIMIN 550 MG TABLET	1,213	\$1,174,326.95
NDG - 51198 - 20 ML : BUPIVCAINE LIPOSOME INJECTION (EXPAREL)	4,108	\$1,134,350.71

Laboratory

EAP - 30000001 - HC COLLECTION OF VENOUS BLOOD BY VENIPUN	44,595	\$2,221,997.15
EAP - 30005291 - HC ZZZCOVID-19 LG OUTPUT INSTMTNT AMP PROBE	36,966	\$1,715,321.82
EAP - 30000666 - HC RBC SCRIN ANTIBODY	36,563	\$1,636,973.23
EAP - 31000452 - HC IMMUNOCHEM PER SPEC; EA SINGLE AB STAIN	3,547	\$1,577,123.85
EAP - 30000213 - HC GLUCOSE BY DEVICE	8,729	\$1,447,139.74
EAP - 30000827 - HC LEVEL V - SURGICAL PATHOLOGY GROSS A	5,539	\$1,310,687.19
EAP - 30000432 - HC BL COUNT CBC AUTO W-AUTO DIFF	91,322	\$1,234,685.49
EAP - 30005308 - HC COVID-19 + FLU A-B + RSV - CEPHEID	21,574	\$1,131,945.67
EAP - 30000273 - HC MAGNESIUM	62,079	\$1,060,323.69
EAP - 30000003 - HC BASIC METABOLIC PANEL	58,187	\$1,054,500.75

Diagnostic Imaging

EAP - 32000295 - HC XR EXAM CHEST 1 VIEW	42,729	\$5,111,184.68
EAP - 35000045 - HC CT ABD-PEL W-CONTR	16,707	\$1,117,681.32
EAP - 32000296 - HC XR EXAM CHEST 2 VIEWS	20,726	\$1,061,684.56
EAP - 35000002 - HC CT HEAD-BRAIN W-O CONTR	21,331	\$1,004,568.86
EAP - 35000019 - HC CTA CHEST (NONCOR) WW-O CONTR	8,883	\$848,973.14
EAP - 32000299 - HC XR EXAM ABDOMEN 1 VIEW	8,108	\$728,541.34
EAP - 61000013 - HC MRI BRAIN WW-O CONTR	4,195	\$647,559.49
EAP - 40000010 - HC US ABD LTD	7,515	\$605,223.67
EAP - 35000014 - HC CTA HEAD WW-O CONTR	5,269	\$550,590.62
EAP - 35000015 - HC CTA NECK WW-O CONTR	5,198	\$530,997.24

Therapeutic Services

EAP - 42000033 - HC THER ACT 15 MIN	34,255	\$6,145,869.33
EAP - 42000028 - HC GAIT TRN 15 MIN	24,330	\$2,104,279.76
EAP - 42400002 - HC PT EVAL MOD COMPLEX 30 MIN	33,547	\$2,077,930.40
EAP - 42000025 - HC EXERCISE - XTHER 15 MIN	16,421	\$1,949,388.91
EAP - 42000004 - HC EVALUATION SWALLOWING CMPLX	8,689	\$1,224,704.33
EAP - 43400002 - HC OT EVAL MOD COMPLEX 45 MIN	15,215	\$1,213,872.63
EAP - 44000002 - HC ST TX SWALLOW-ORAL FUNCTION	4,372	\$1,212,013.04
EAP - 42000036 - HC HOME INSTRUCTION-PROGRAM 15 MIN	8,390	\$835,009.55
EAP - 42400001 - HC PT EVAL LOW COMPLEX 20 MIN	9,581	\$588,301.93
EAP - 42000072 - HC ENDOSCOPY SWALLOW TST (FEES)	3,288	\$513,292.29

Blood Products

EAP - 39000004 - HC RBCS LR EA UNIT	8,306	\$5,136,162.98
EAP - 39000032 - HC PLATELETS PHERESIS PATHOGEN REDUCED	1,979	\$4,875,241.69
EAP - 38100001 - HC RBCS LR IRRADIATED EA UNIT	2,831	\$2,427,513.84
EAP - 38400004 - HC PLATELETS PHERESIS LR IRRADIATED EA	972	\$1,900,851.18
EAP - 39000016 - HC CRYOPRECIPITATE PREPOOLED	871	\$1,578,813.80
EAP - 39000002 - HC BL SPLIT UNIT SPECIFY AMOUNT	582	\$745,423.17
EAP - 3806539000004 - HC RBCS LR EA UNIT	608	\$403,883.52
EAP - 39000005 - HC PLASMA FRESH FROZ PROC	880	\$340,050.16

EAP - 36000599 - HC TRANSFUSE BL-BL COMPONENTS	11,326	\$283,299.56
EAP - 39000015 - HC PLASMA FROZ 8 TO 24 HRS	697	\$166,213.00