Table E1. Raw Data of Use and Yield of CT Pulmonary Angiography and Hospital Admissions per Month

Month	No. of Examinations Performed	No. of Admissions per Month	No. of Positive Examinations per Month	Use of CTPA per 1000 Admissions	Yield of CTPA (%)
April 2007	117	3665	10	31.9	8.5
May 2007	104	3895	13	26.7	12.5
June 2007	94	3809	10	25.5	10.3
July 2007	108	3801	15	28.4	13.9
August 2007	99	4024	11	24.6	11.1
September 2007	99	3689	12	26.8	12.1
October 2007	105	3882	12	27	11.4
November 2007	104	3761	17	27.7	16.3
December 2007	111	3591	11	30.9	9.9
January 2008	80	3740	14	21.4	7.7
February 2008	102	3618	10	28.2	9.9
March 2008	117	3737	9	31.3	17.5
April 2008	111	3770	11	29.4	9.8
May 2008	100	3886	11	25.7	7.7
June 2008	101	3846	10	26.3	9.9
July 2008	97	3871	8	25.1	8.2
August 2008	100	3959	7	25.3	7
September 2008	103	3737	8	27.6	7.8
October 2008	112	3991	12	28.1	10.7
November 2008	99	3743	8	26.4	8.1
December 2008	123	3730	18	33	14.6
January 2009	103	3800	9	27.1	8.1
February 2009	91	3667	13	24.8	14.3
March 2009	91	3836	12	23.7	13.2
April 2009	94	3875	8	24.3	8.5
May 2009	83	4037	10	20.6	12.0
June 2009	96	3802	7	25.2	7.3
July 2009	79	4041	14	19.6	17.7
August 2009	125	3876	12	32.2	9.6
September 2009	112	3803	14	29.5	12.5
October 2009	110	3934	7	28	6.4
November 2009	85	3606	6	23.6	7.1
December 2009	85	3813	14	22.3	16.5
January 2010	77	3750	7	20.5	9.1
February 2010	95	3561	11	26.7	11.6
March 2010	77	3826	7	20.1	9.1
April 2010	83	3864	12	21.5	14.5
May 2010	95	3916	13	24.3	13.7
June 2010	83	3817	10	21.7	12.0

July 2010	85	3968	9	21.4	10.6
August 2010	83	3903	11	21.3	13.3
September 2010	84	3731	18	22.5	21.4
October 2010	93	3841	10	24.2	10.8
November 2010	98	3621	10	27.1	10.2
December 2011	76	3857	6	19.7	7.9
January 2011	87	3730	20	23.3	23.0
February 2011	74	3433	8	21.6	10.8
March 2011	97	4002	10	24.2	10.3
April 2011	87	3884	10	22.4	11.5
May 2011	79	3797	2	20.8	2.5
June 2011	85	3824	10	22.2	11.8
July 2011	75	3848	7	19.5	9.3
August 2011	85	3809	11	22.3	12.9
September 2011	93	3786	10	24.6	10.8
October 2011	88	3795	15	23.2	17.0
November 2011	96	3625	11	26.5	11.5
December 2011	90	3756	8	24	8.9
January 2012	91	3692	10	24.6	11.0
February 2012	89	3464	11	25.7	12.4
March 2012	82	3784	8	21.7	9.8
April 2012	67	3566	12	18.8	17.9
May 2012	84	3815	13	22	15.5
June 2012	72	3893	4	18.5	5.6

Table E2. Regression Model Results for Monthly Use and Yield of Computed Tomography Pulmonary Angiography Pre-and Post-Implementation of Evidence-Based Clinical Decision Support (CDS)

Parameter	Model Coefficient	P Value
Monthly CTPA Use per 1000 Inpatient Admissions		
Intercept (α_1)	27.840	<.001
Time (mo) (β_1)	−0.062	.27
Intervention · time before/after (β_2)	−5.040	.0008
Intervention*Time (β_3)	0.049	.52
Monthly Yield of CTPA positive for acute PE		
Intercept (α_1)	11.239	<.001
Time (Month) (β_1)	−0.028	.71
Intervention before/after (β_2)	0.870	.65
Intervention · time (β_3)	0.014	.89