

National Radiology Data Registry

Semiannual Report-Facility, Jul-Dec 2018

Sample Facility
(Facility ID: 100853)

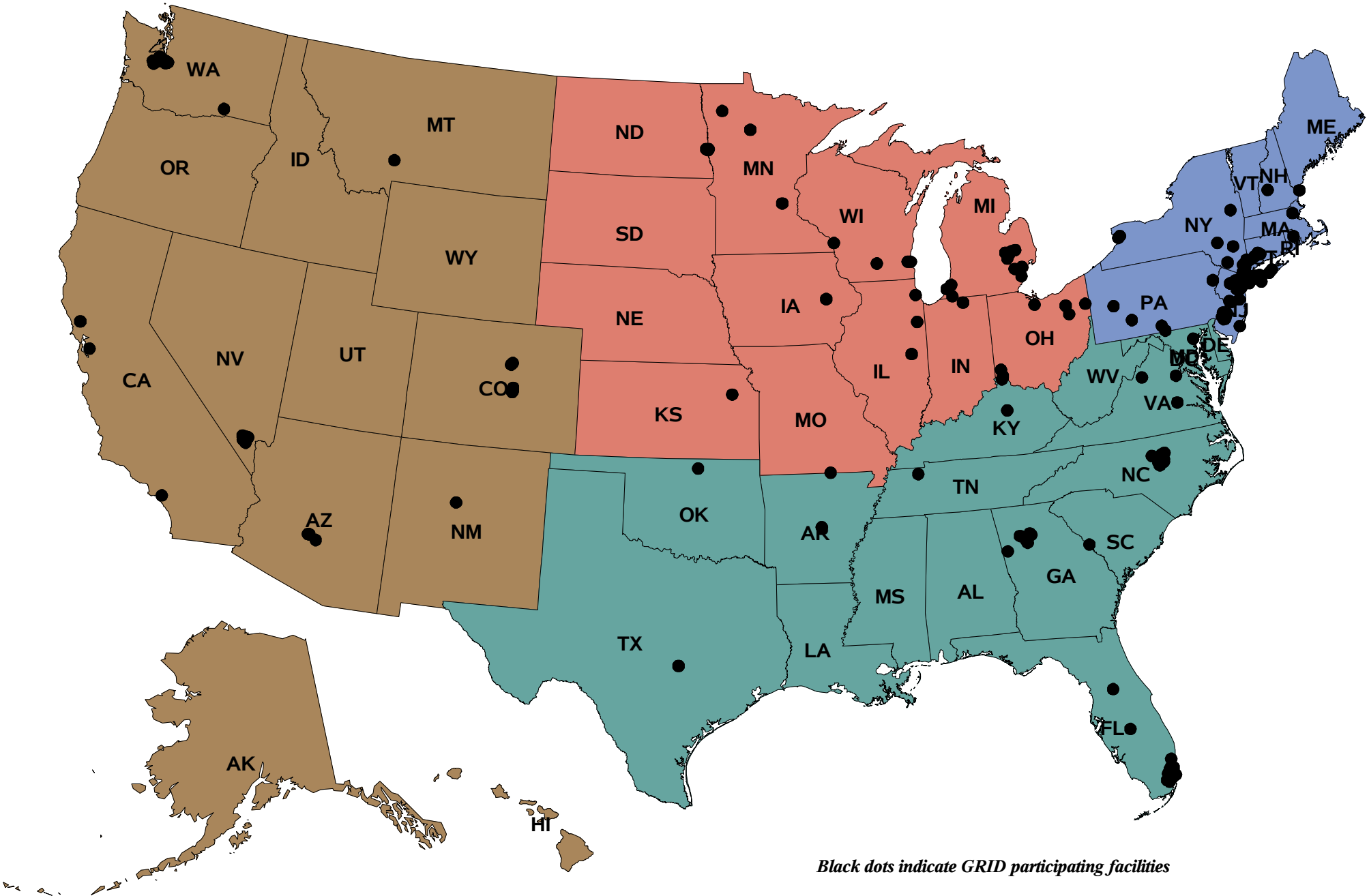


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*Map of GRID Active Facilities
Jul-Dec 2018*



Black dots indicate GRID participating facilities

Census Region	Northeast	Midwest	South	West
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GRID Process Measures Summary

Measure	Site 100853	Sites with volume <50,000	Sites in the Northeast	Sites of type Freestanding Center	All GRID sites
Mean radiography wait time (minutes)		11.9	11.8	13.5	12.2
Median radiography wait time (minutes)		9.8	10.0	10.0	8.7
Mean ultrasound wait time (minutes)		12.0	15.3	15.0	14.7
Median ultrasound wait time (minutes)		10.0	11.4	10.2	10.0
Mean MRI wait time (minutes)		24.9	31.5	22.2	28.8
Median MRI wait time (minutes)		18.3	18.0	17.3	19.8
Mean CT wait time (minutes)		18.6	19.2	19.0	21.2
Median CT wait time (minutes)		12.2	14.6	12.1	13.8
Mean PET wait time (minutes)		33.8	33.0	22.8	32.8
Median PET wait time (minutes)		28.7	23.4	19.5	22.8
Mean wait time for inpatient stat CT (minutes)		42.3	93.0	10.0	93.0
Median wait time for inpatient stat CT (minutes)		33.7	56.7	10.0	48.7
Mean wait time for inpatient routine CT (minutes)		134.2	200.4		306.5
Median wait time for inpatient routine CT (minutes)		81.5	132.7		163.4
Digital radiography repeat rate (Percent)*		3.5	3.1	2.9	3.5
Mean TAT - Radiography (Hours)		4.3	4.4	4.4	3.2
Mean TAT - Ultrasound (Hours)		4.3	4.3	5.0	4.0
Mean TAT - MRI (Hours)		7.7	10.3	9.2	7.7
Mean TAT - CT (Hours)		6.0	3.5	7.7	4.2
Mean TAT - PET (Hours)		12.5	6.8	6.0	8.3
Percent Exams Signed < 12 Hours - Radiography (Percent)		88.2	90.8	88.2	91.9

(Continued)

Values presented here are based on averages over 6 months (Jul-Dec 2018).

Facility values are compared to median values across GRID sites in various categories.

**Repeat rate data may not be comparable across sites because some sites report repeated exams and others report repeated images.*

GRID Process Measures Summary

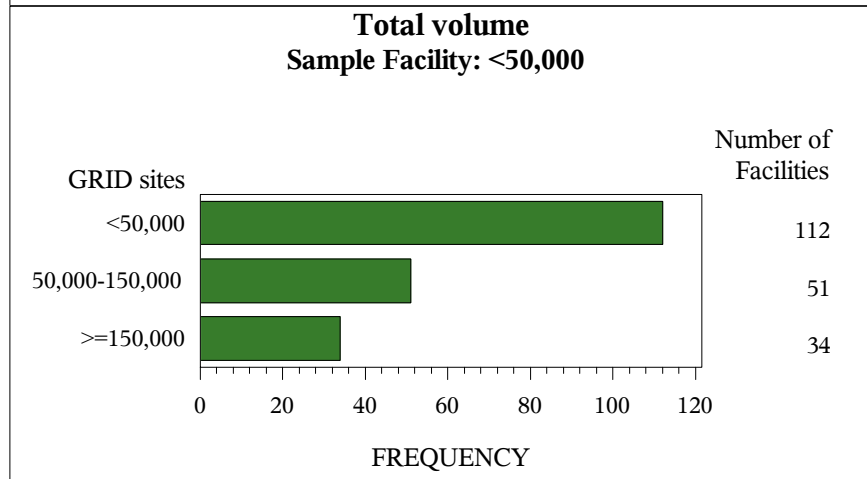
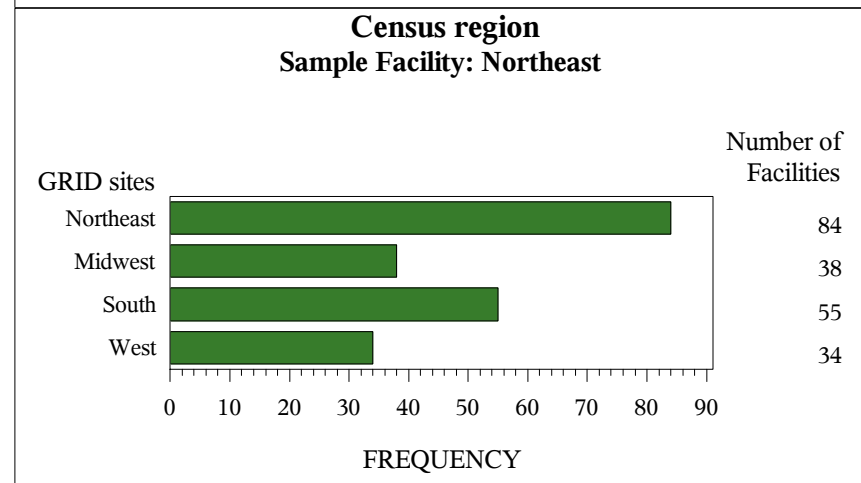
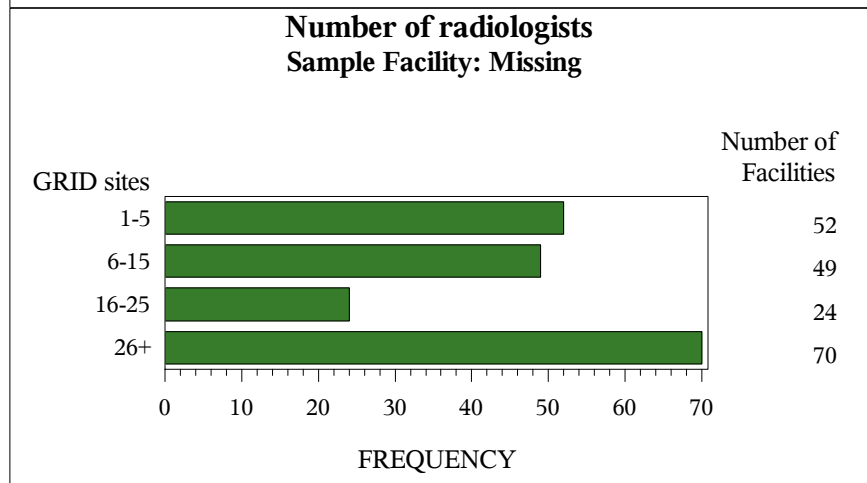
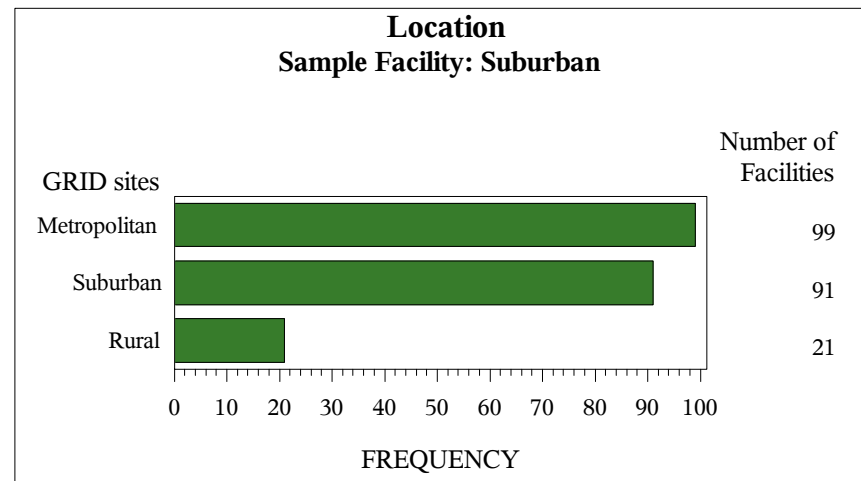
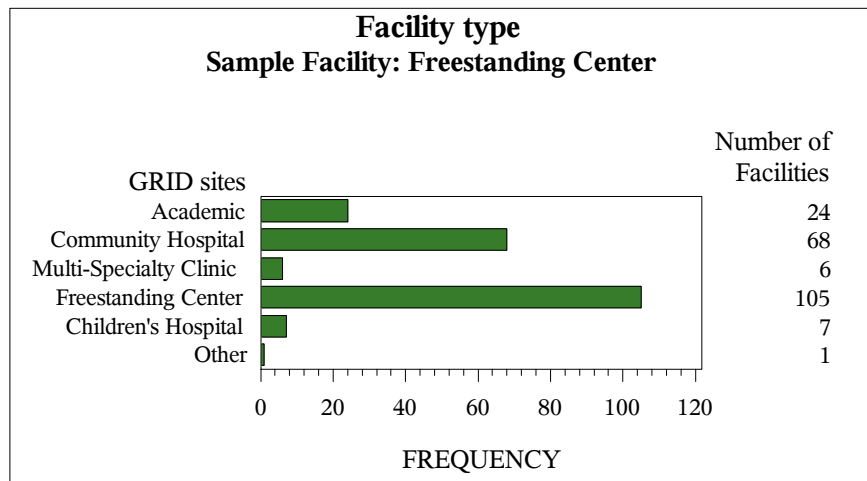
Measure	Site 100853	Sites with volume <50,000	Sites in the Northeast	Sites of type Freestanding Center	All GRID sites
Percent Exams Signed < 12 Hours - US (Percent)		91.2	90.7	91.8	92.9
Percent Exams Signed < 12 Hours - MRI (Percent)		76.5	69.6	72.1	77.3
Percent Exams Signed < 12 Hours - CT (Percent)		90.9	94.5	81.8	93.8
Percent Exams Signed < 12 Hours - PET (Percent)		77.2	81.4	90.6	77.9

Values presented here are based on averages over 6 months (Jul-Dec 2018).

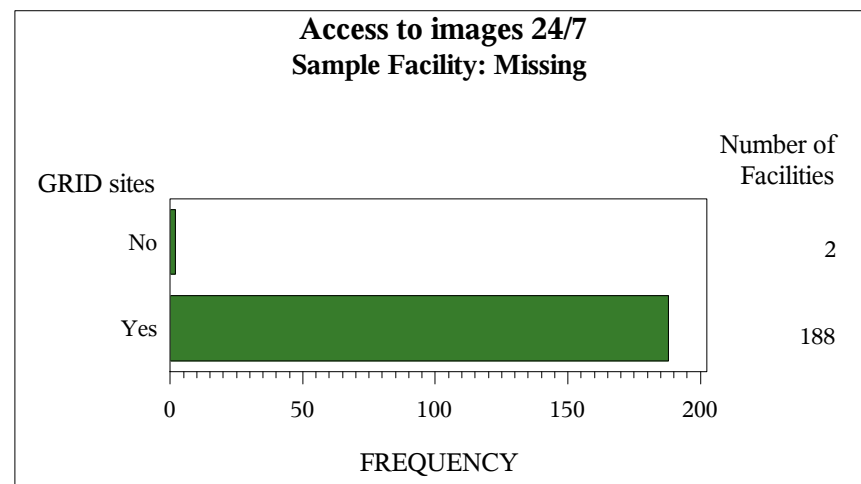
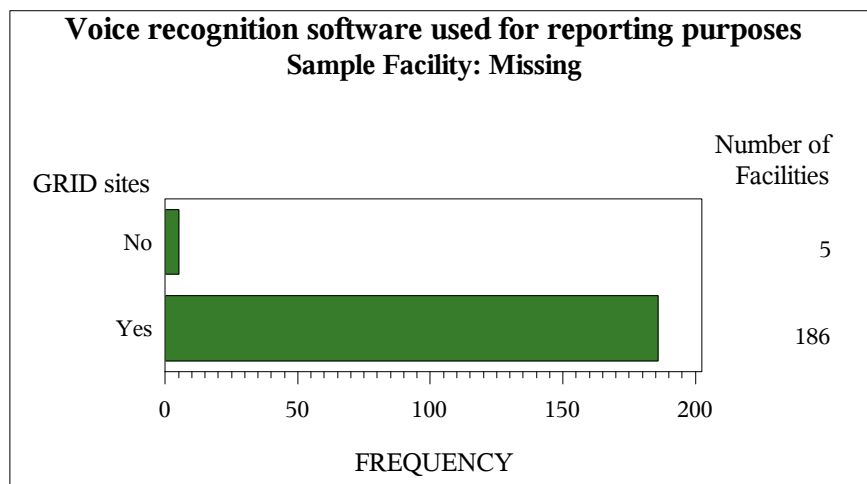
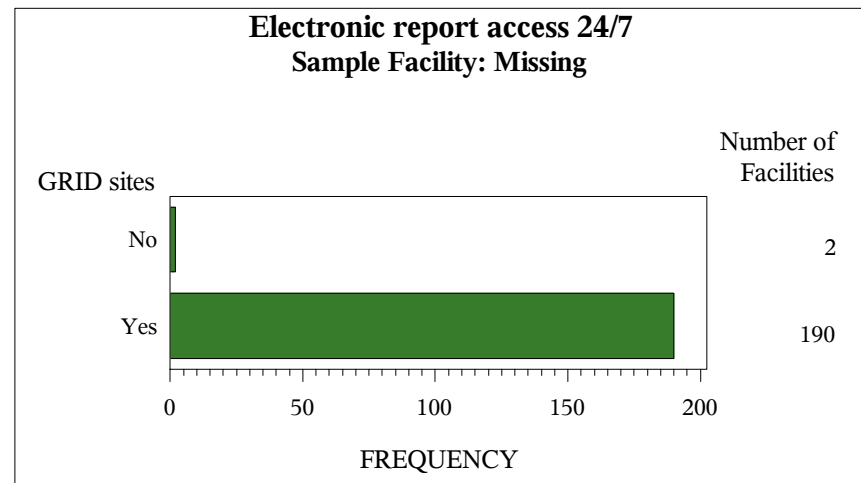
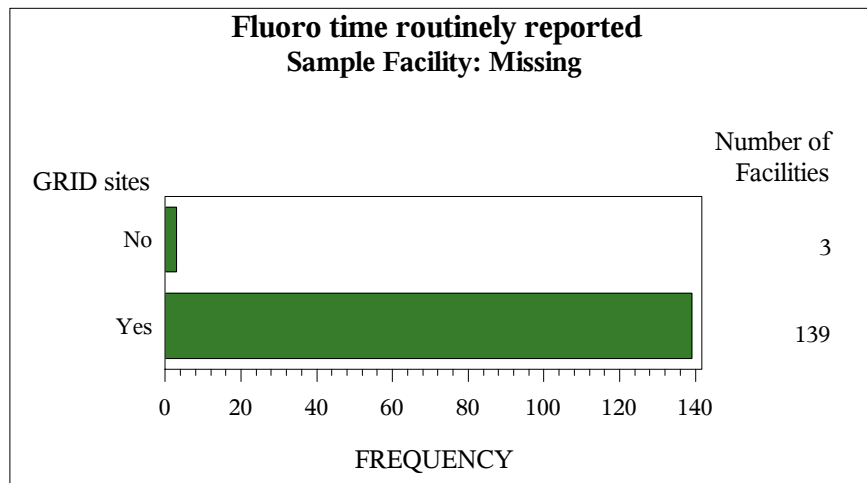
Facility values are compared to median values across GRID sites in various categories.

**Repeat rate data may not be comparable across sites because some sites report repeated exams and others report repeated images.*

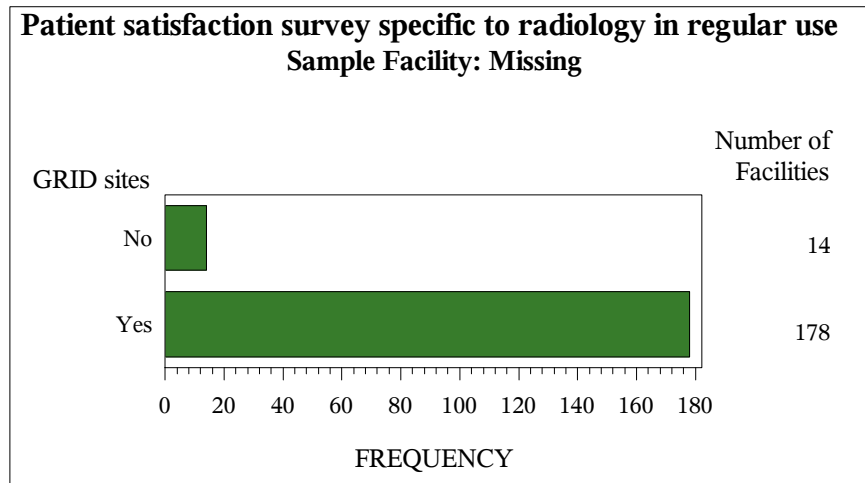
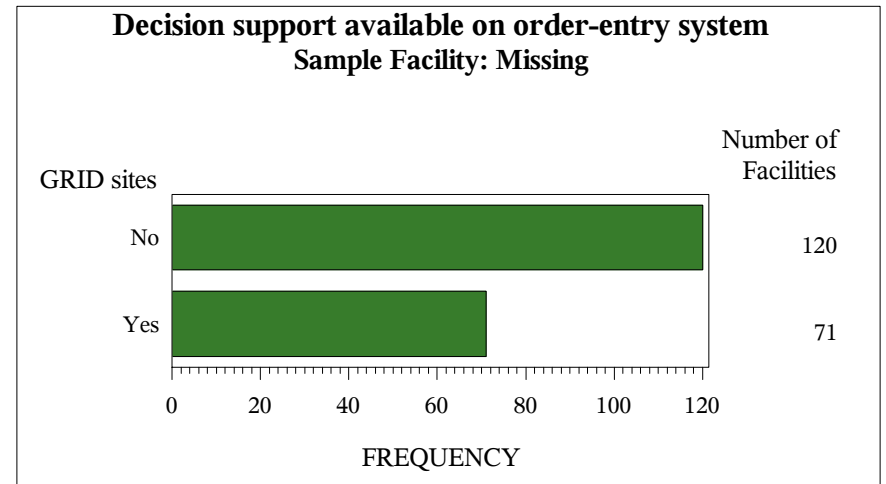
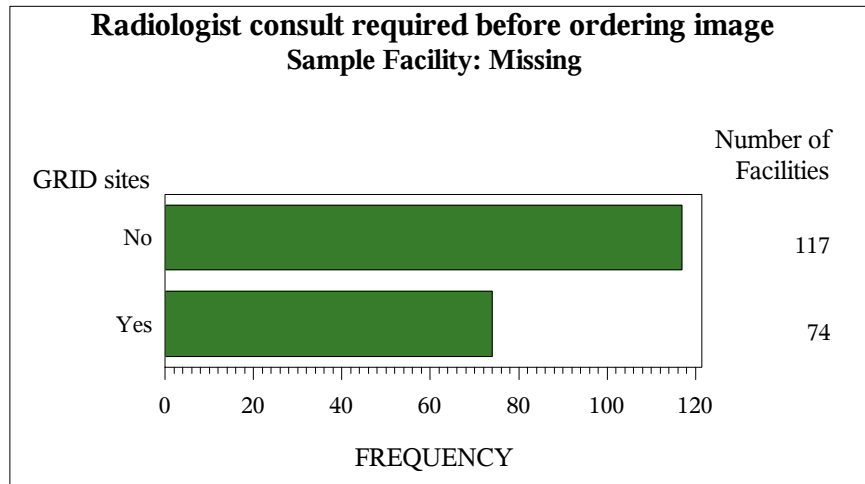
GRID Facility Characteristics



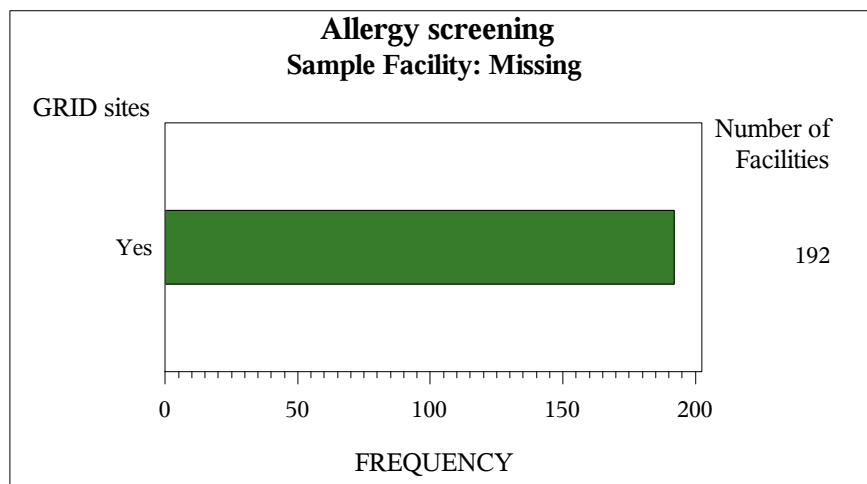
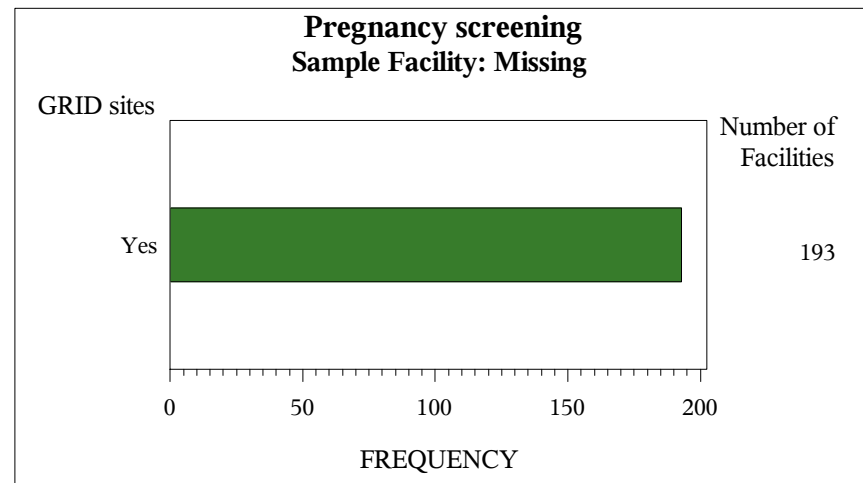
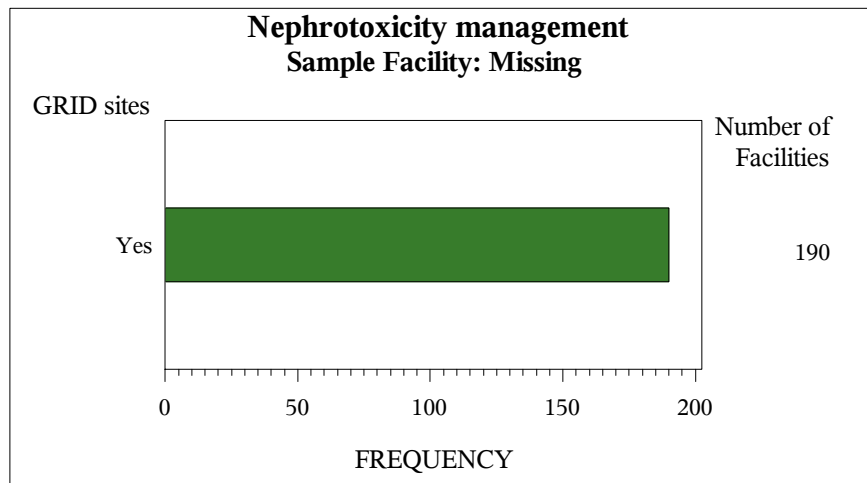
GRID Structural Measures



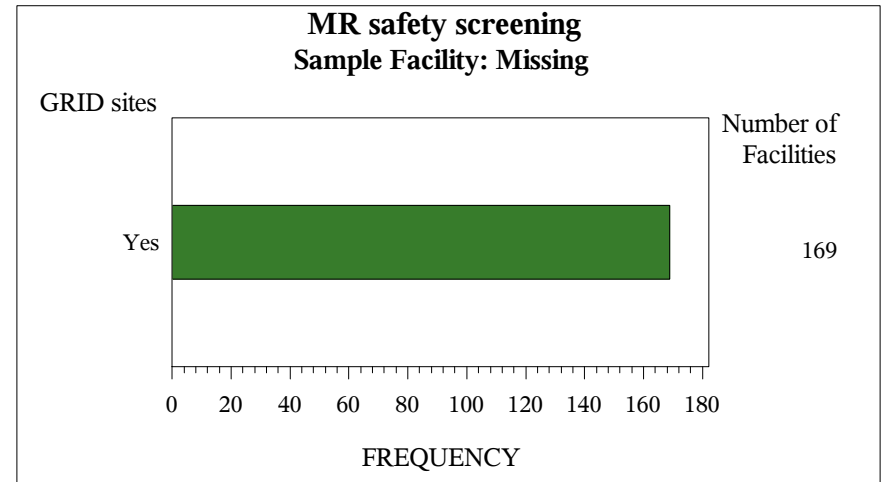
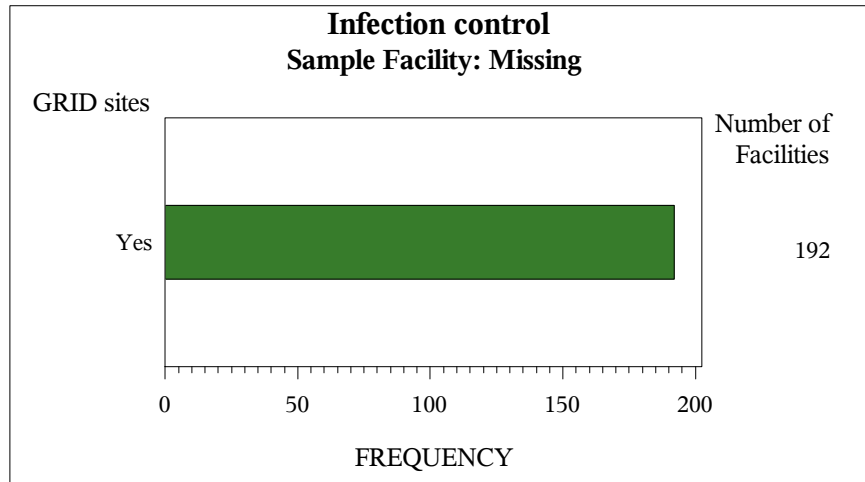
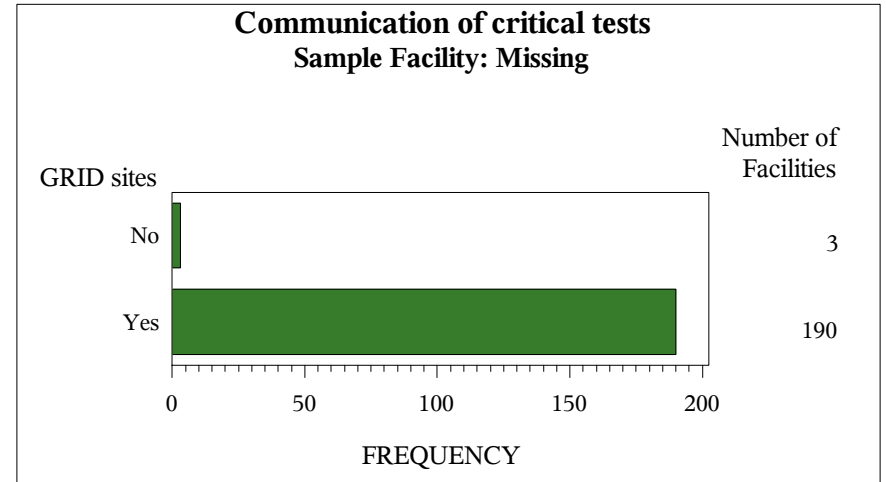
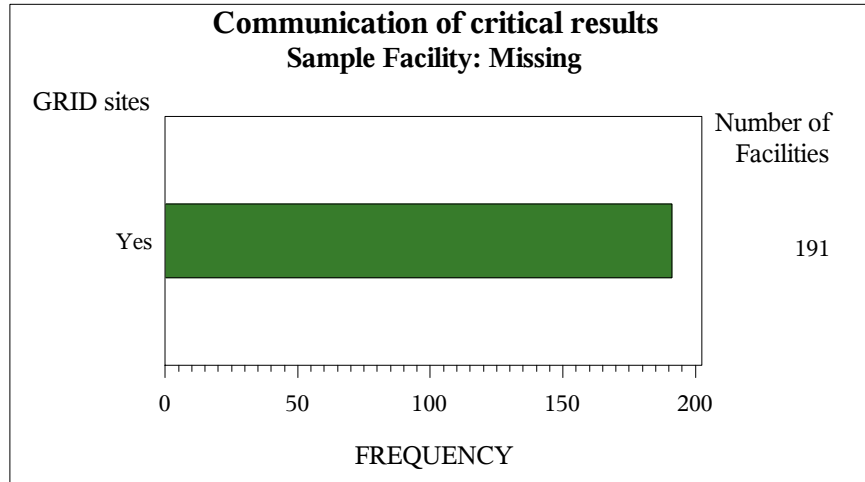
GRID Structural Measures (Contd.)



GRID Protocols



GRID protocols (Contd)



GRID Process Measure Variation: Radiography wait time (minutes)

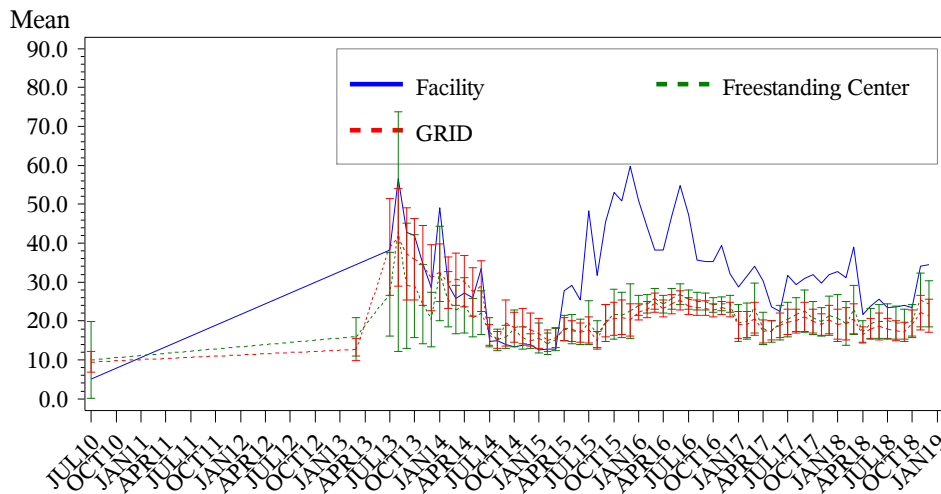
Variations across sites in current average reported Mean

Statistics	Site 100853	Sites with volume <50,000	Sites in the Northeast	Sites of type Freestanding Center	All GRID sites
N	0	94	58	91	172
Mean		18.4	21.9	21.0	18.8
Standard Deviation		18.5	23.2	21.9	19.0
Min		1.2	1.2	2.0	1.2
25th Percentile		6.3	6.5	6.5	7.0
Median		11.9	11.8	13.5	12.2
75th Percentile		22.0	31.8	26.5	23.3
Max		93.7	126.2	126.2	126.2

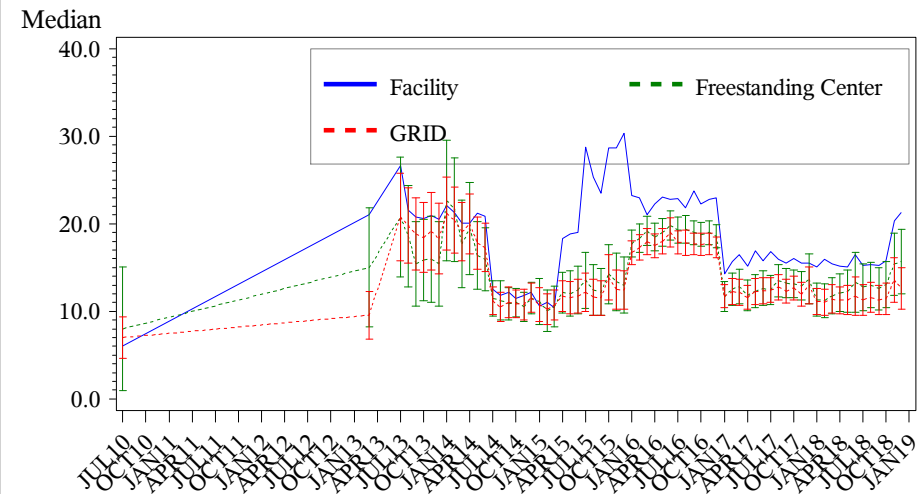
Variations across sites in current average reported Median

Statistics	Site 100853	Sites with volume <50,000	Sites in the Northeast	Sites of type Freestanding Center	All GRID sites
N	0	88	56	90	157
Mean		12.3	14.3	13.5	11.7
Standard Deviation		11.2	13.6	13.1	11.2
Min		1.0	1.0	1.0	1.0
25th Percentile		4.2	5.4	4.0	4.3
Median		9.8	10.0	10.0	8.7
75th Percentile		14.9	19.3	16.5	14.3
Max		47.8	68.0	68.0	68.0

Variation over time



Variation over time



GRID Process Measure Variation: Ultrasound wait time (minutes)

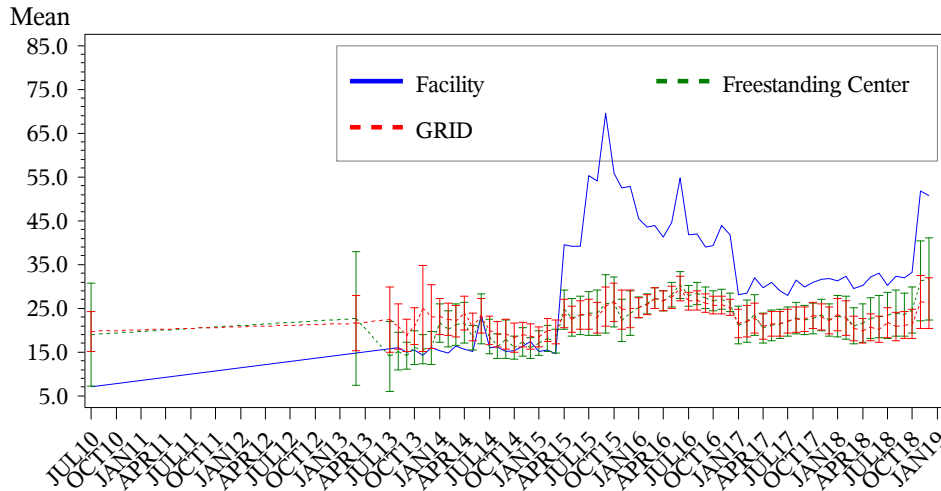
Variations across sites in current average reported Mean

Statistics	Site 100853	Sites with volume <50,000	Sites in the Northeast	Sites of type Freestanding Center	All GRID sites
N	0	93	60	93	173
Mean		23.6	30.8	26.1	23.7
Standard Deviation		27.5	35.0	29.7	29.1
Min		1.8	2.2	2.3	1.8
25th Percentile		8.0	8.8	8.0	8.5
Median		12.0	15.3	15.0	14.7
75th Percentile		30.0	37.7	30.8	28.5
Max		132.2	132.2	132.2	240.0

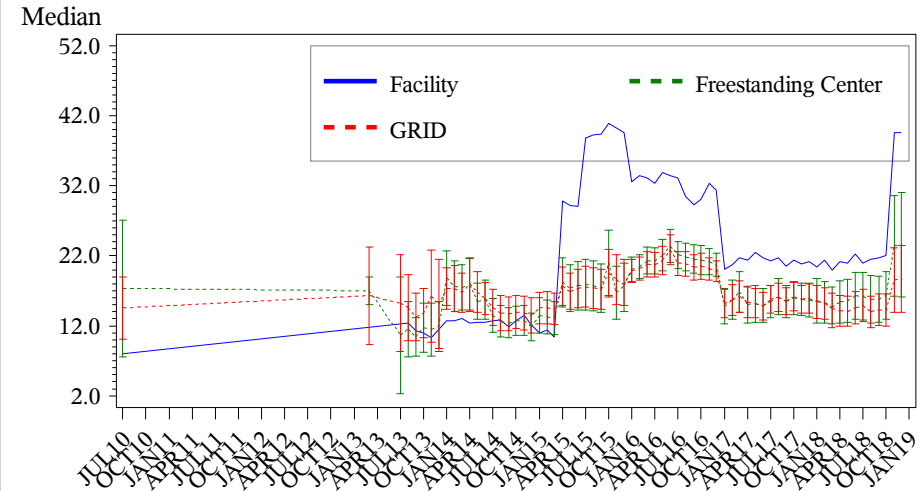
Variations across sites in current average reported Median

Statistics	Site 100853	Sites with volume <50,000	Sites in the Northeast	Sites of type Freestanding Center	All GRID sites
N	0	87	58	92	158
Mean		17.2	22.3	18.3	15.6
Standard Deviation		20.1	24.7	21.3	17.5
Min		1.0	1.0	1.0	1.0
25th Percentile		4.7	5.8	4.8	4.8
Median		10.0	11.4	10.2	10.0
75th Percentile		20.2	29.2	20.3	18.7
Max		85.2	89.2	89.2	89.2

Variation over time



Variation over time



GRID Process Measure Variation: MRI wait time (minutes)

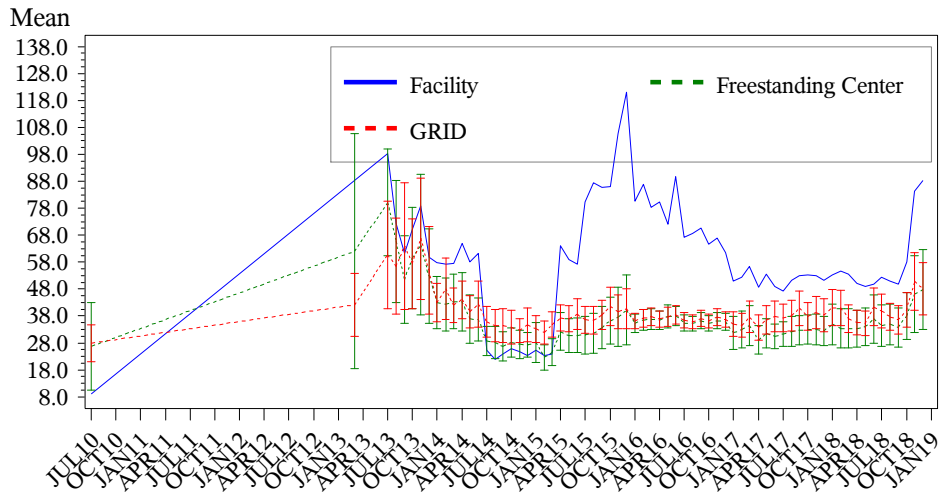
Variations across sites in current average reported Mean

Statistics	Site 100853	Sites with volume <50,000	Sites in the Northeast	Sites of type Freestanding Center	All GRID sites
N	0	80	49	79	153
Mean		38.8	50.4	38.7	41.9
Standard Deviation		38.2	51.8	43.1	39.6
Min		5.0	5.0	5.0	5.0
25th Percentile		16.9	12.2	13.8	18.2
Median		24.9	31.5	22.2	28.8
75th Percentile		44.3	56.7	45.5	48.2
Max		183.0	196.2	196.2	229.0

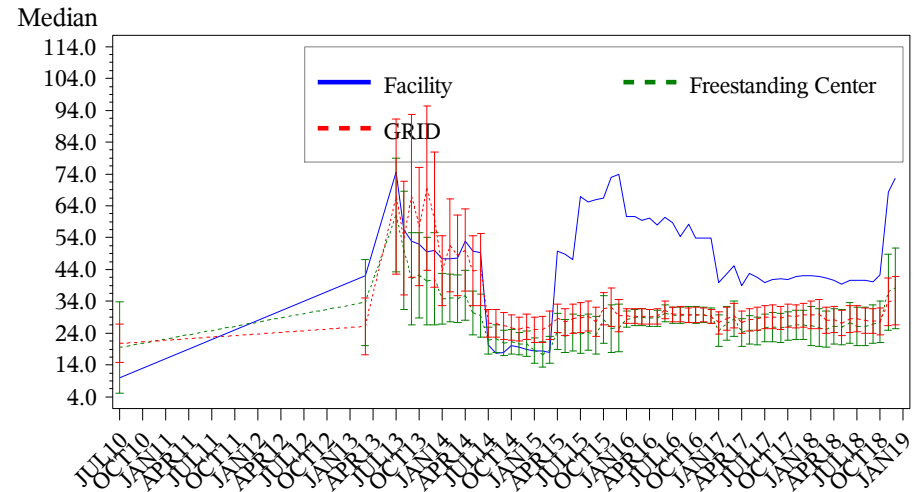
Variations across sites in current average reported Median

Statistics	Site 100853	Sites with volume <50,000	Sites in the Northeast	Sites of type Freestanding Center	All GRID sites
N	0	75	47	78	139
Mean		30.0	38.8	29.9	29.9
Standard Deviation		31.4	41.9	35.1	28.5
Min		2.7	4.3	2.7	2.7
25th Percentile		10.0	10.0	9.5	10.8
Median		18.3	18.0	17.3	19.8
75th Percentile		37.2	47.4	35.5	39.5
Max		137.3	167.0	167.0	167.0

Variation over time



Variation over time



GRID Process Measure Variation: CT wait time (minutes)

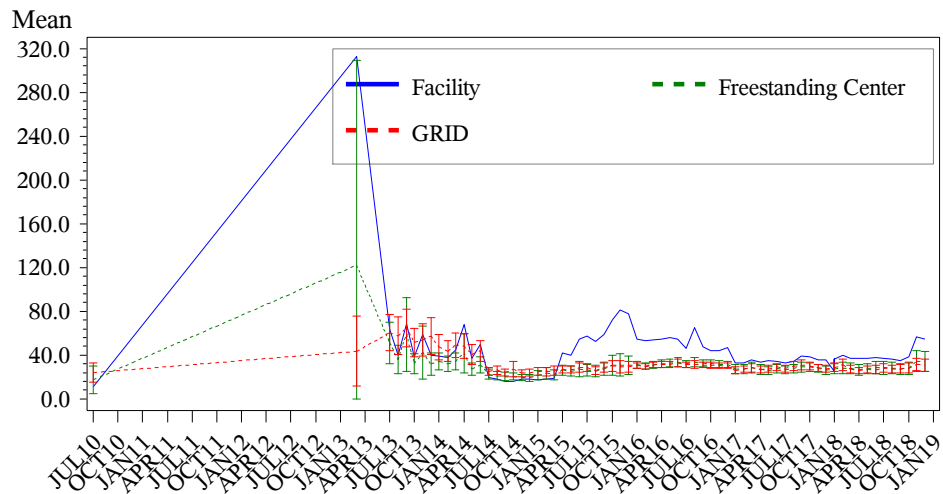
Variations across sites in current average reported Mean

Statistics	Site 100853	Sites with volume <50,000	Sites in the Northeast	Sites of type Freestanding Center	All GRID sites
N	0	86	53	83	161
Mean		27.0	34.5	29.5	28.7
Standard Deviation		25.1	36.0	28.9	25.4
Min		1.3	1.3	2.5	1.3
25th Percentile		10.8	10.0	10.8	11.8
Median		18.6	19.2	19.0	21.2
75th Percentile		32.0	46.8	34.0	35.2
Max		121.0	148.5	148.5	148.5

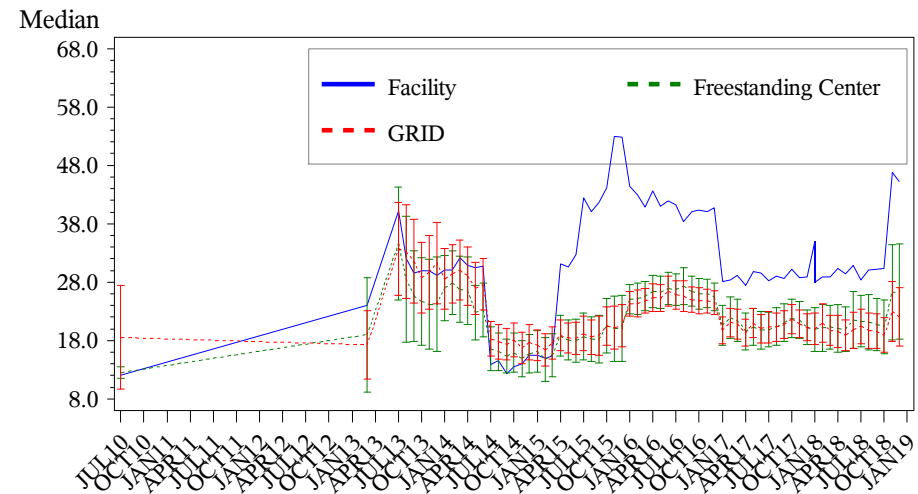
Variations across sites in current average reported Median

Statistics	Site 100853	Sites with volume <50,000	Sites in the Northeast	Sites of type Freestanding Center	All GRID sites
N	0	80	51	82	146
Mean		20.9	26.2	22.3	20.3
Standard Deviation		22.2	29.3	24.8	20.1
Min		1.0	1.0	1.0	1.0
25th Percentile		8.7	8.2	7.8	8.2
Median		12.2	14.6	12.1	13.8
75th Percentile		24.3	31.0	25.0	25.0
Max		117.0	117.5	117.5	117.5

Variation over time



Variation over time



GRID Process Measure Variation: PET wait time (minutes)

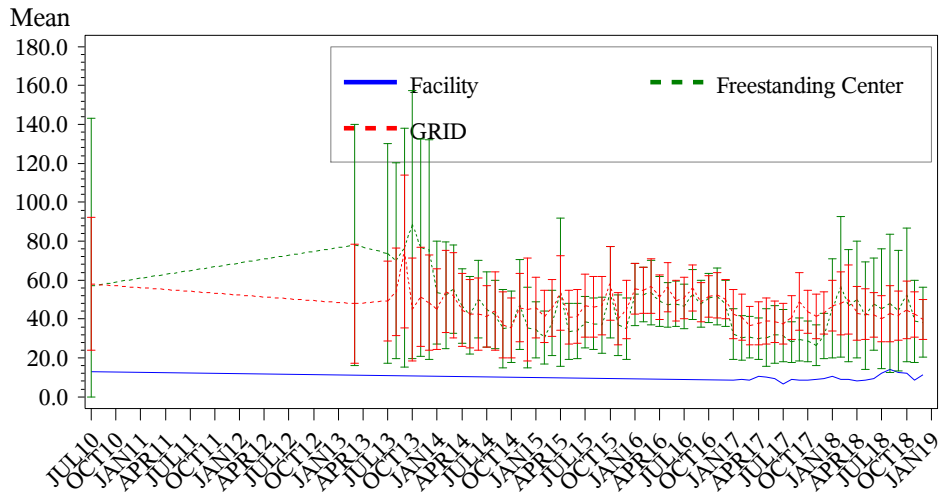
Variations across sites in current average reported Mean

Statistics	Site 100853	Sites with volume <50,000	Sites in the Northeast	Sites of type Freestanding Center	All GRID sites
N	0	11	13	15	49
Mean		54.8	44.4	49.6	45.0
Standard Deviation		62.5	44.2	56.2	42.6
Min		9.7	10.0	10.0	1.0
25th Percentile		11.2	14.8	14.3	15.8
Median		33.8	33.0	22.8	32.8
75th Percentile		66.2	42.8	70.8	53.5
Max		203.5	149.8	203.5	203.5

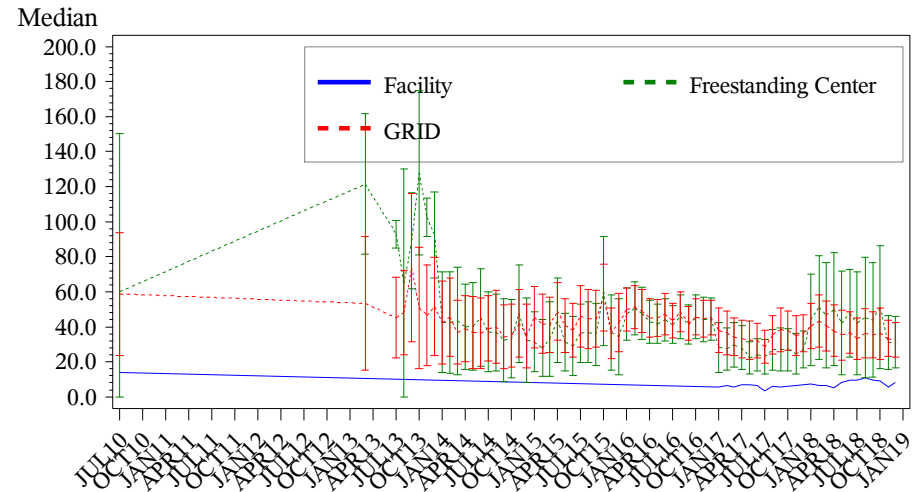
Variations across sites in current average reported Median

Statistics	Site 100853	Sites with volume <50,000	Sites in the Northeast	Sites of type Freestanding Center	All GRID sites
N	0	11	12	14	45
Mean		46.9	37.3	46.2	37.0
Standard Deviation		55.2	40.9	51.5	38.9
Min		3.7	8.7	7.8	1.0
25th Percentile		7.8	9.3	10.0	9.7
Median		28.7	23.4	19.5	22.8
75th Percentile		65.0	40.8	73.0	45.5
Max		161.5	120.8	161.5	161.5

Variation over time



Variation over time



GRID Process Measure Variation: Stat CT wait time (minutes)

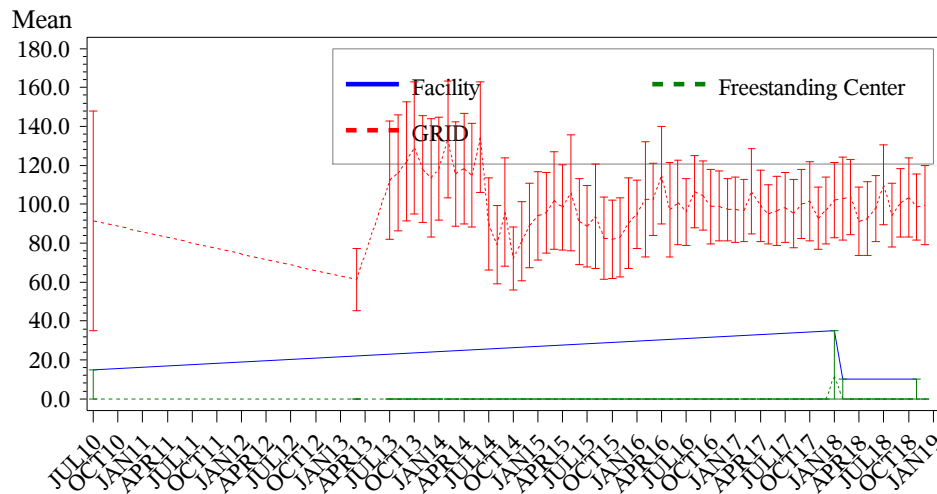
Variations across sites in current average reported Mean

Statistics	Site 100853	Sites with volume <50,000	Sites in the Northeast	Sites of type Freestanding Center	All GRID sites
N	0	12	19	1	59
Mean		49.8	105.8	10.0	100.8
Standard Deviation		29.6	79.3		63.7
Min		10.0	10.0	10.0	10.0
25th Percentile		24.3	42.8	10.0	44.8
Median		42.3	93.0	10.0	93.0
75th Percentile		77.5	158.5	10.0	150.0
Max		97.7	319.0	10.0	319.0

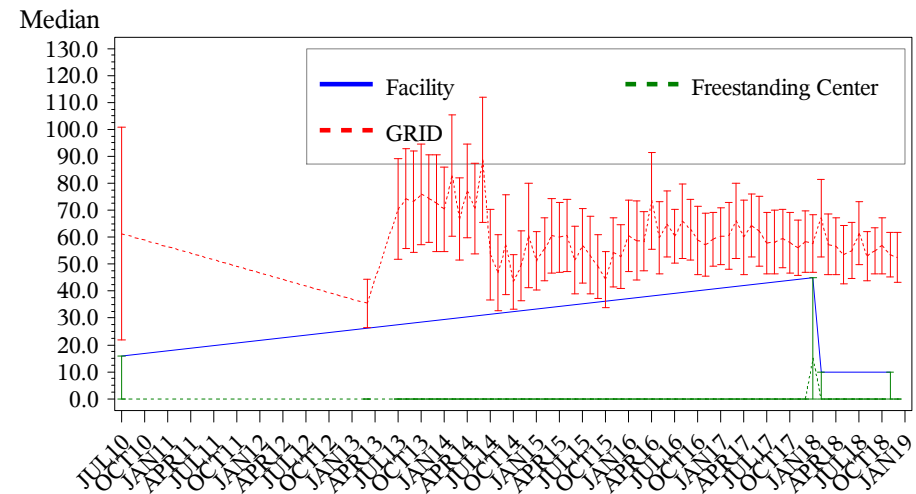
Variations across sites in current average reported Median

Statistics	Site 100853	Sites with volume <50,000	Sites in the Northeast	Sites of type Freestanding Center	All GRID sites
N	0	11	18	1	55
Mean		38.7	62.6	10.0	55.4
Standard Deviation		26.2	36.2		31.0
Min		7.0	10.0	10.0	6.0
25th Percentile		10.0	32.5	10.0	32.5
Median		33.7	56.7	10.0	48.7
75th Percentile		64.8	84.3	10.0	76.8
Max		84.3	127.5	10.0	127.5

Variation over time



Variation over time



GRID Process Measure Variation: Routine CT wait time (minutes)

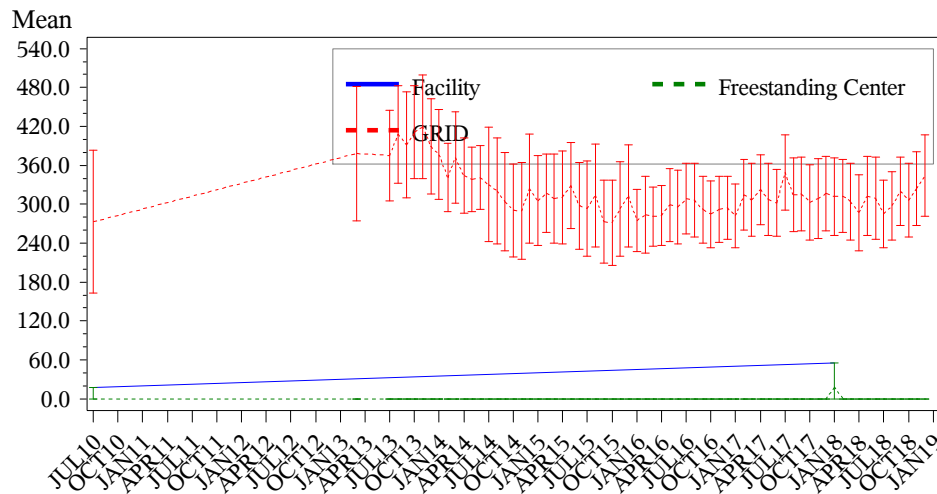
Variations across sites in current average reported Mean

Statistics	Site 100853	Sites with volume <50,000	Sites in the Northeast	Sites of type Freestanding Center	All GRID sites
N	0	11	18	0	58
Mean		197.1	263.8		311.3
Standard Deviation		160.1	203.4		181.2
Min		32.5	31.3		26.8
25th Percentile		107.7	107.7		162.3
Median		134.2	200.4		306.5
75th Percentile		300.7	413.3		432.7
Max		543.3	643.5		808.3

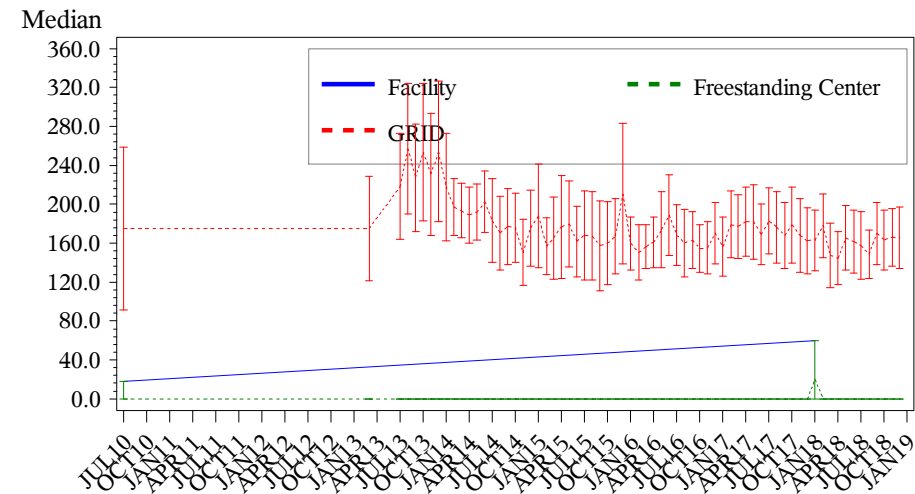
Variations across sites in current average reported Median

Statistics	Site 100853	Sites with volume <50,000	Sites in the Northeast	Sites of type Freestanding Center	All GRID sites
N	0	10	17	0	54
Mean		113.1	144.1		160.0
Standard Deviation		92.1	89.5		91.9
Min		10.5	16.5		10.5
25th Percentile		37.8	80.0		87.3
Median		81.5	132.7		163.4
75th Percentile		178.8	198.2		229.5
Max		270.0	333.4		393.5

Variation over time



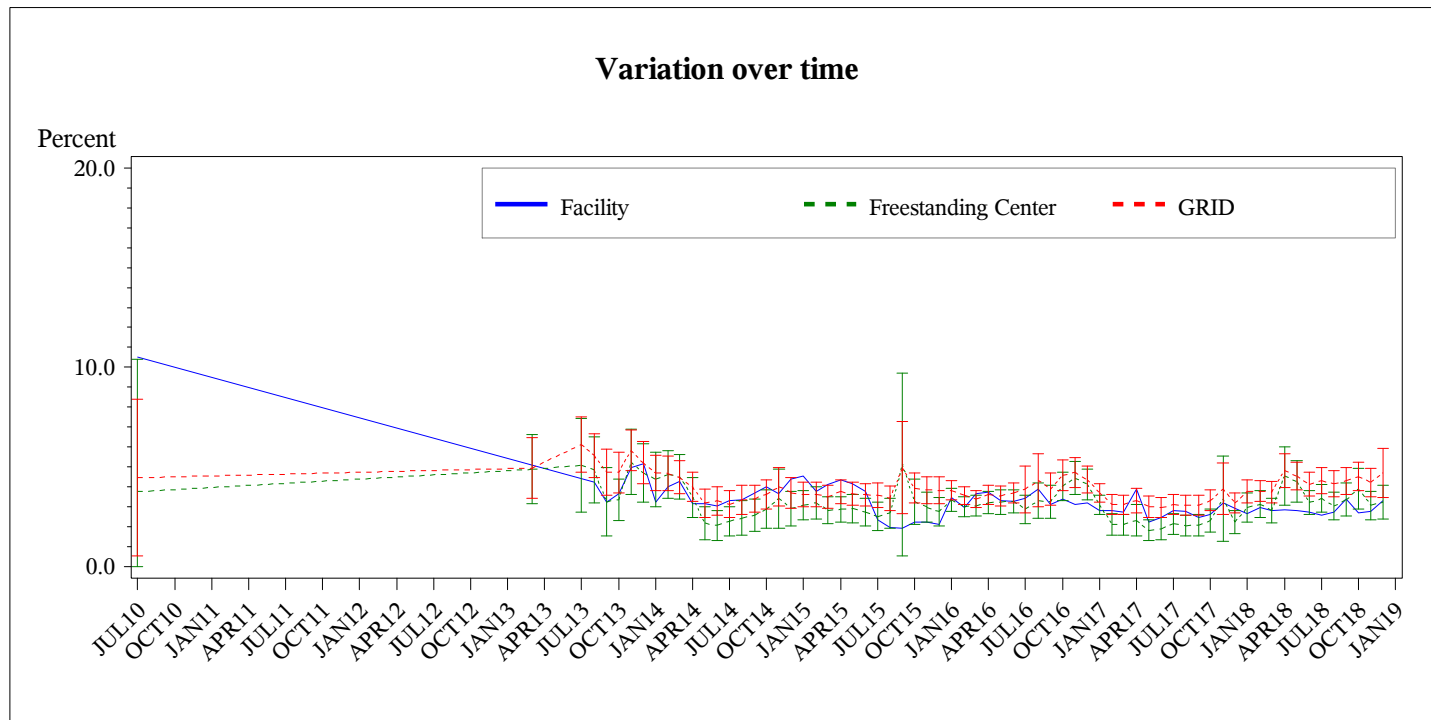
Variation over time



GRID Process Measure Variation: Digital radiography repeat rate (Percent) - data may not be comparable across sites

Variations across sites in current average reported Percent

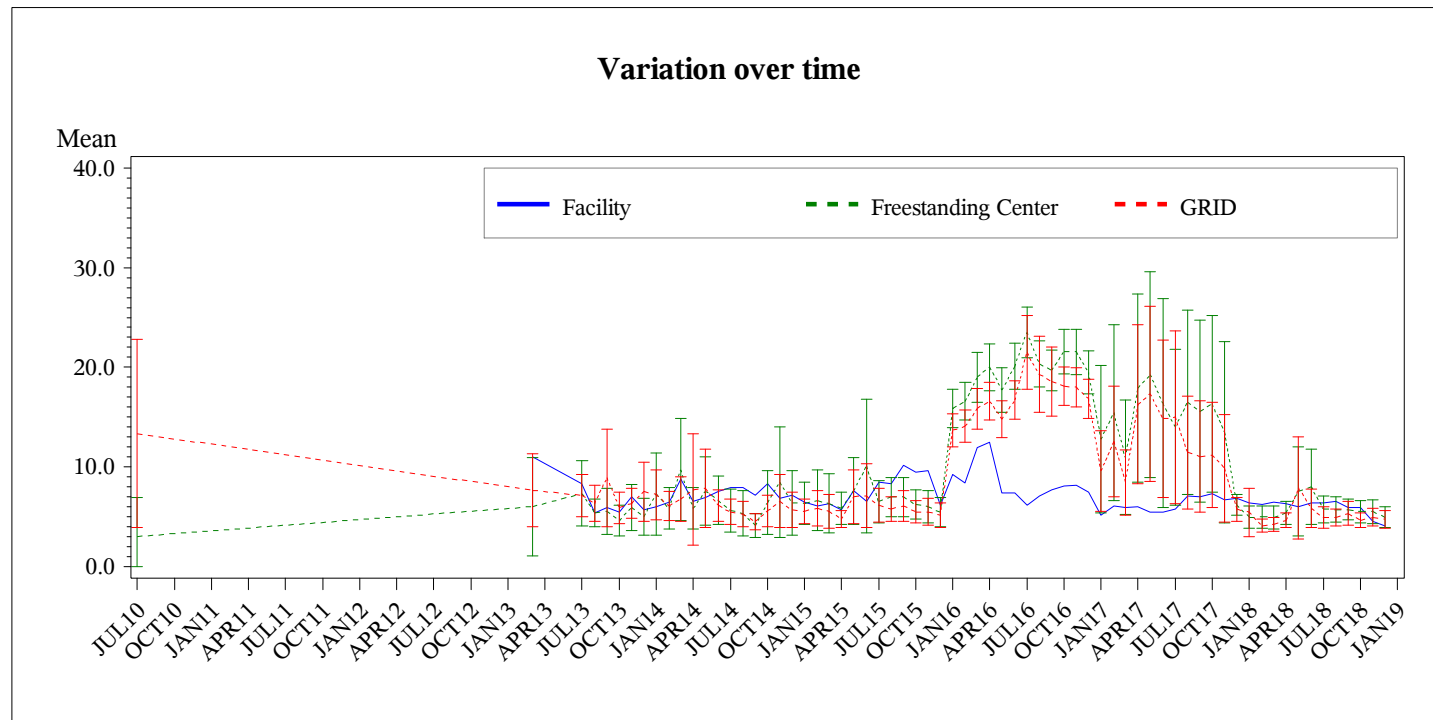
Statistics	Site 100853	Sites with volume <50,000	Sites in the Northeast	Sites of type Freestanding Center	All GRID sites
N	0	68	39	59	132
Mean		4.1	3.8	3.1	4.3
Standard Deviation		3.8	3.5	2.6	3.7
Min		0.0	0.6	0.0	0.0
25th Percentile		1.0	1.8	0.8	1.7
Median		3.5	3.1	2.9	3.5
75th Percentile		6.0	4.7	5.1	6.4
Max		21.4	21.4	10.0	21.4



GRID Process Measure Variation: Radiography turnaround time (hours)

Variations across sites in current average reported Mean

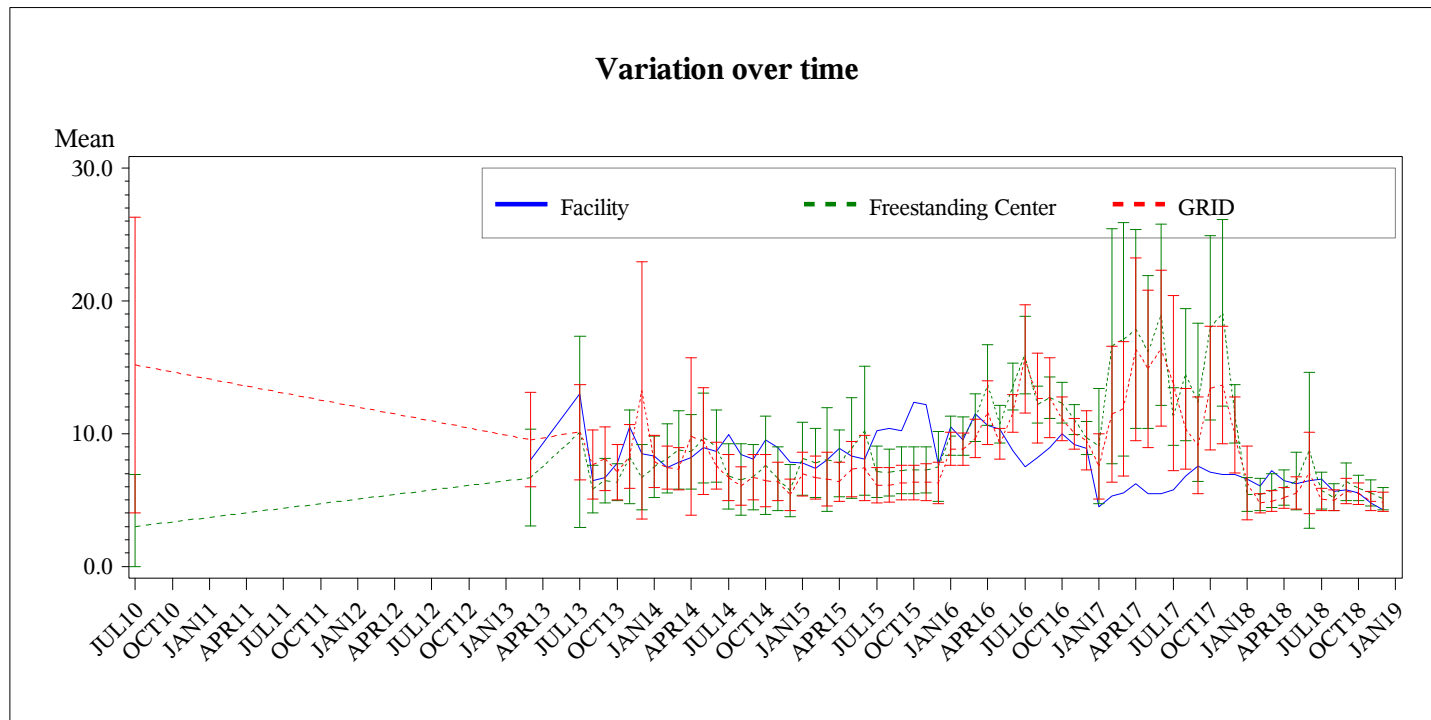
Statistics	Site 100853	Sites with volume <50,000	Sites in the Northeast	Sites of type Freestanding Center	All GRID sites
N	0	101	77	90	190
Mean		7.4	5.6	5.9	5.9
Standard Deviation		12.2	5.7	5.9	9.6
Min		1.0	1.0	1.0	1.0
25th Percentile		2.0	2.0	2.2	1.5
Median		4.3	4.4	4.4	3.2
75th Percentile		6.5	6.8	6.8	6.2
Max		83.0	37.5	37.5	83.0



GRID Process Measure Variation: Ultrasound turnaround time (hours)

Variations across sites in current average reported Mean

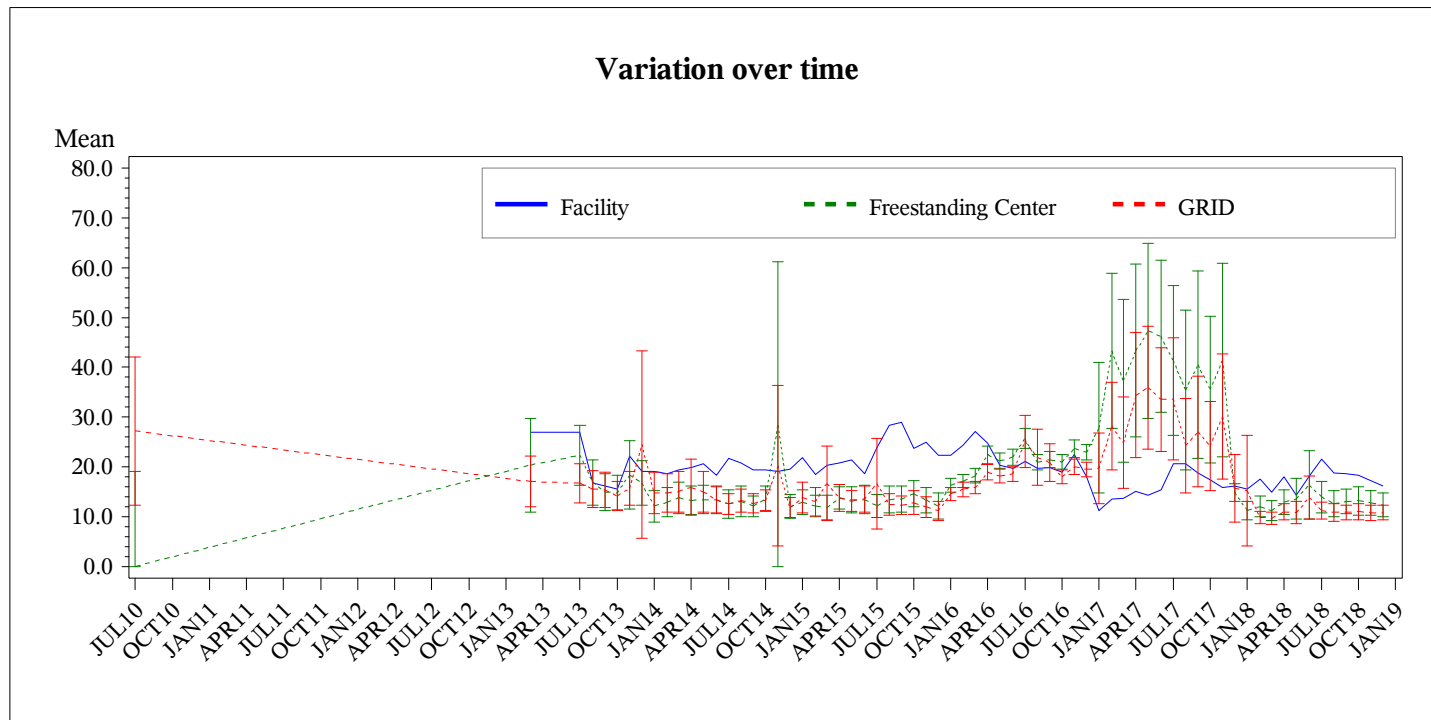
Statistics	Site 100853	Sites with volume <50,000	Sites in the Northeast	Sites of type Freestanding Center	All GRID sites
N	0	99	79	93	190
Mean		6.2	5.7	6.0	5.4
Standard Deviation		6.0	6.1	5.6	5.4
Min		1.0	1.0	1.0	1.0
25th Percentile		2.0	1.8	2.0	1.5
Median		4.3	4.3	5.0	4.0
75th Percentile		7.8	6.8	7.7	6.8
Max		40.5	40.5	40.5	40.5



GRID Process Measure Variation: MRI turnaround time (hours)

Variations across sites in current average reported Mean

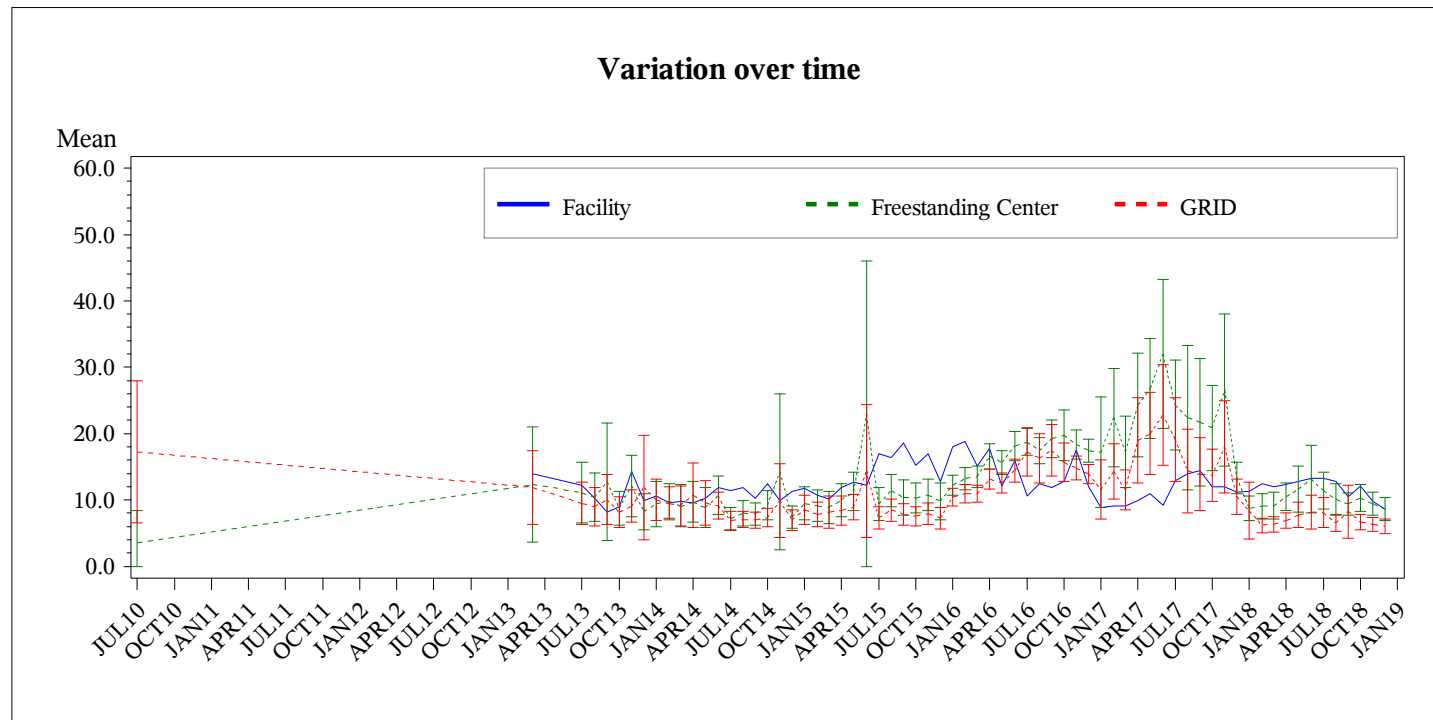
Statistics	Site 100853	Sites with volume <50,000	Sites in the Northeast	Sites of type Freestanding Center	All GRID sites
N	0	84	65	79	169
Mean		12.8	13.0	13.0	11.2
Standard Deviation		13.7	11.7	11.2	11.1
Min		1.0	1.0	1.0	1.0
25th Percentile		4.0	4.3	4.5	4.0
Median		7.7	10.3	9.2	7.7
75th Percentile		15.2	16.8	20.2	14.3
Max		89.0	44.0	44.0	89.0



GRID Process Measure Variation: CT turnaround time (hours)

Variations across sites in current average reported Mean

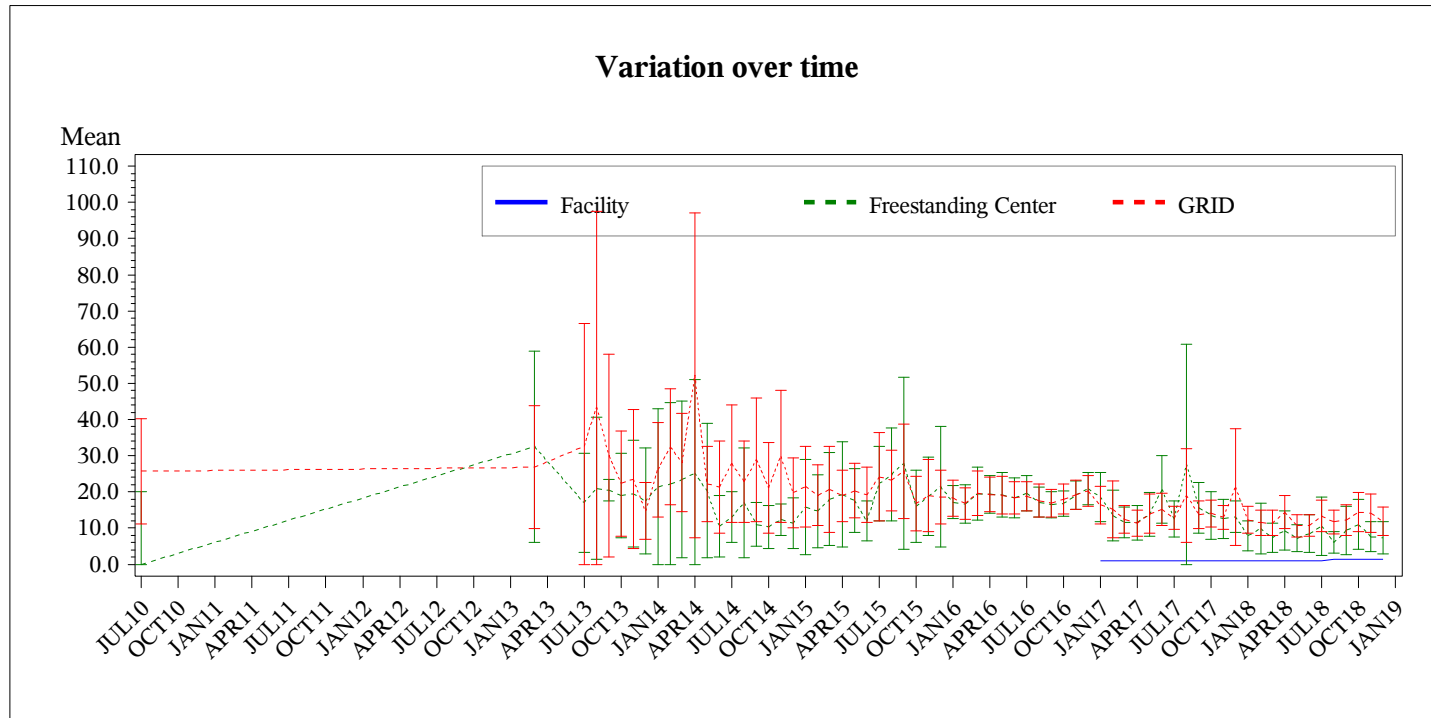
Statistics	Site 100853	Sites with volume <50,000	Sites in the Northeast	Sites of type Freestanding Center	All GRID sites
N	0	93	73	84	182
Mean		8.8	7.4	10.7	7.6
Standard Deviation		10.2	11.1	10.7	11.3
Min		1.0	1.0	1.0	1.0
25th Percentile		2.2	1.2	3.6	1.3
Median		6.0	3.5	7.7	4.2
75th Percentile		12.8	7.5	15.5	8.8
Max		79.0	79.0	79.0	104.4



GRID Process Measure Variation: PET turnaround time (hours)

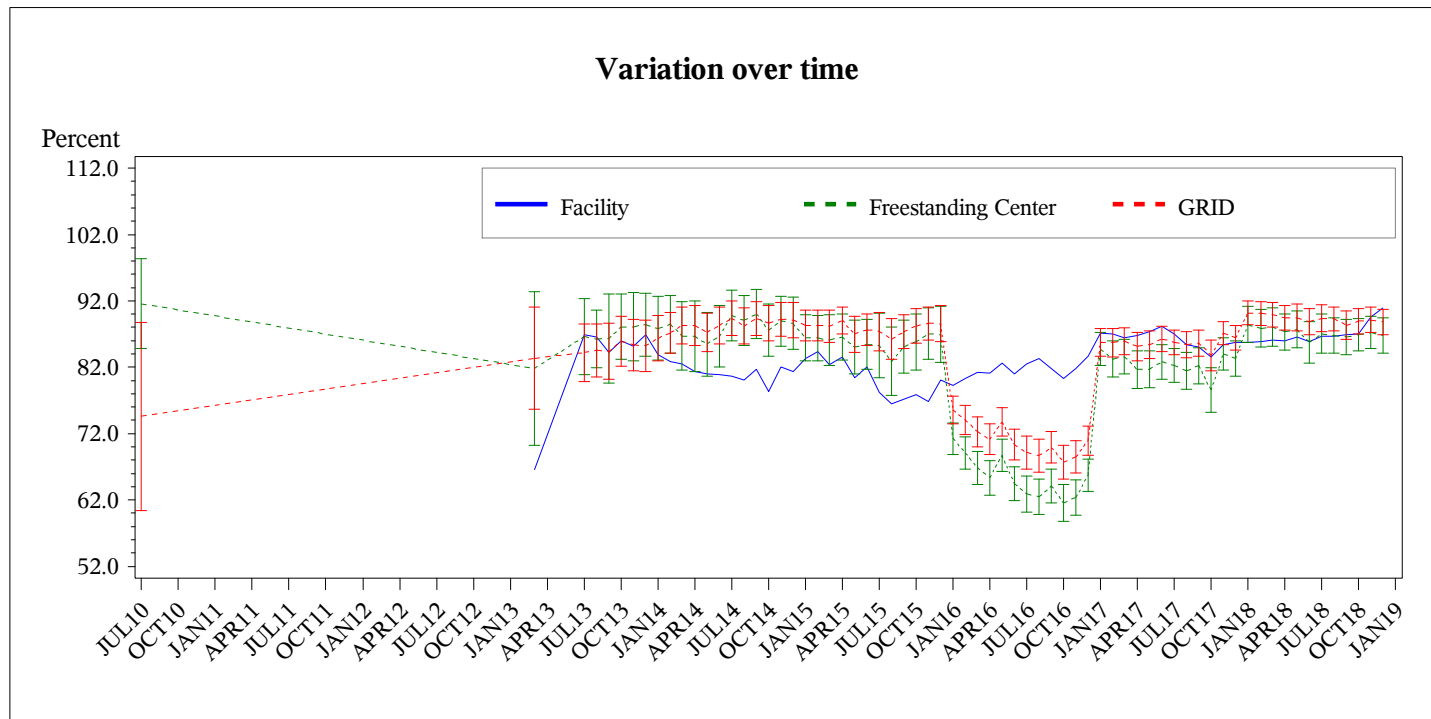
Variations across sites in current average reported Mean

Statistics	Site 100853	Sites with volume <50,000	Sites in the Northeast	Sites of type Freestanding Center	All GRID sites
N	0	11	16	15	51
Mean		14.8	12.8	10.7	13.4
Standard Deviation		13.2	16.2	12.7	13.9
Min		2.8	1.0	1.0	1.0
25th Percentile		4.2	4.7	1.8	4.0
Median		12.5	6.8	6.0	8.3
75th Percentile		23.3	14.8	12.6	16.2
Max		46.0	67.2	46.0	67.2



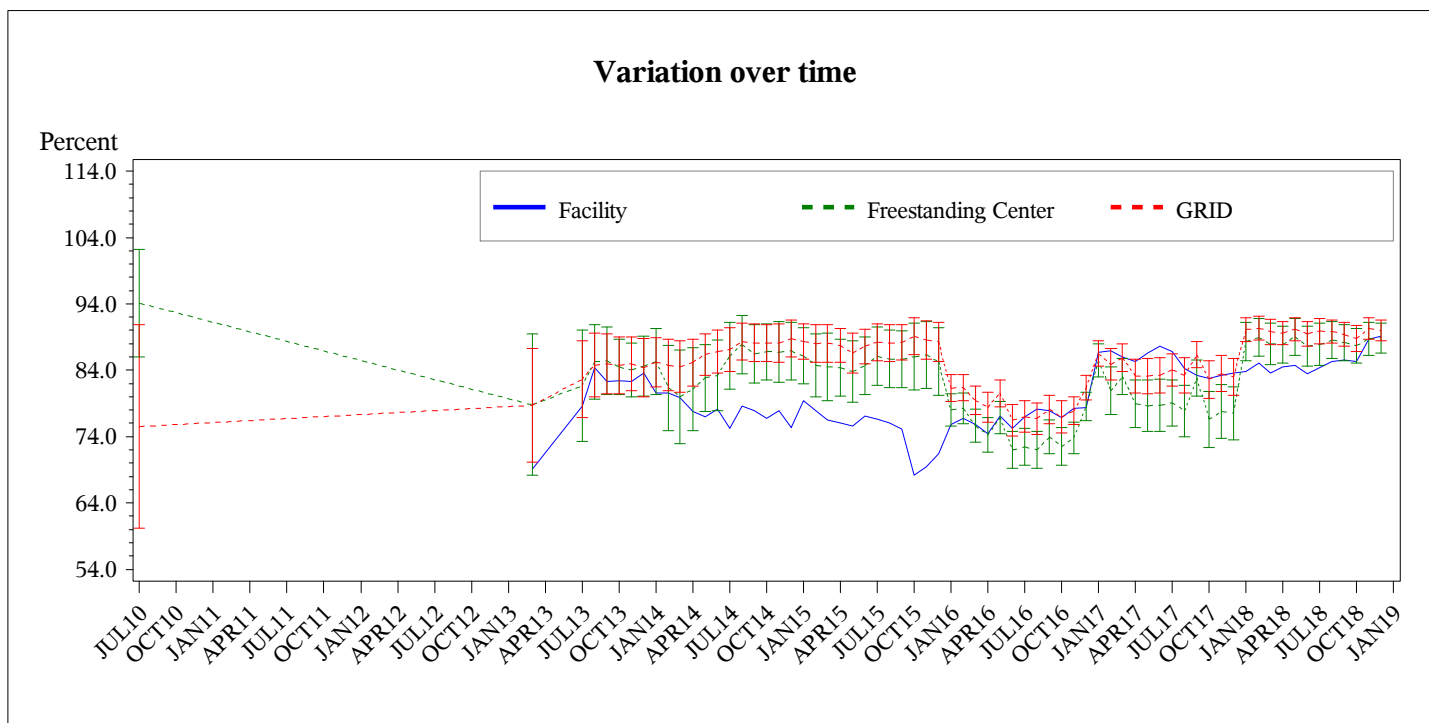
GRID Process Measure Variation: Radiography - percent exams signed within 12 hours
Variations across sites in current average reported Percent

Statistics	Site 100853	Sites with volume <50,000	Sites in the Northeast	Sites of type Freestanding Center	All GRID sites
N	0	101	77	91	191
Mean		84.8	86.8	85.8	87.8
Standard Deviation		16.8	15.5	13.7	14.9
Min		7.3	16.0	16.0	7.3
25th Percentile		81.9	79.8	81.9	82.6
Median		88.2	90.8	88.2	91.9
75th Percentile		97.0	99.2	96.3	98.7
Max		100.0	100.0	100.0	100.0



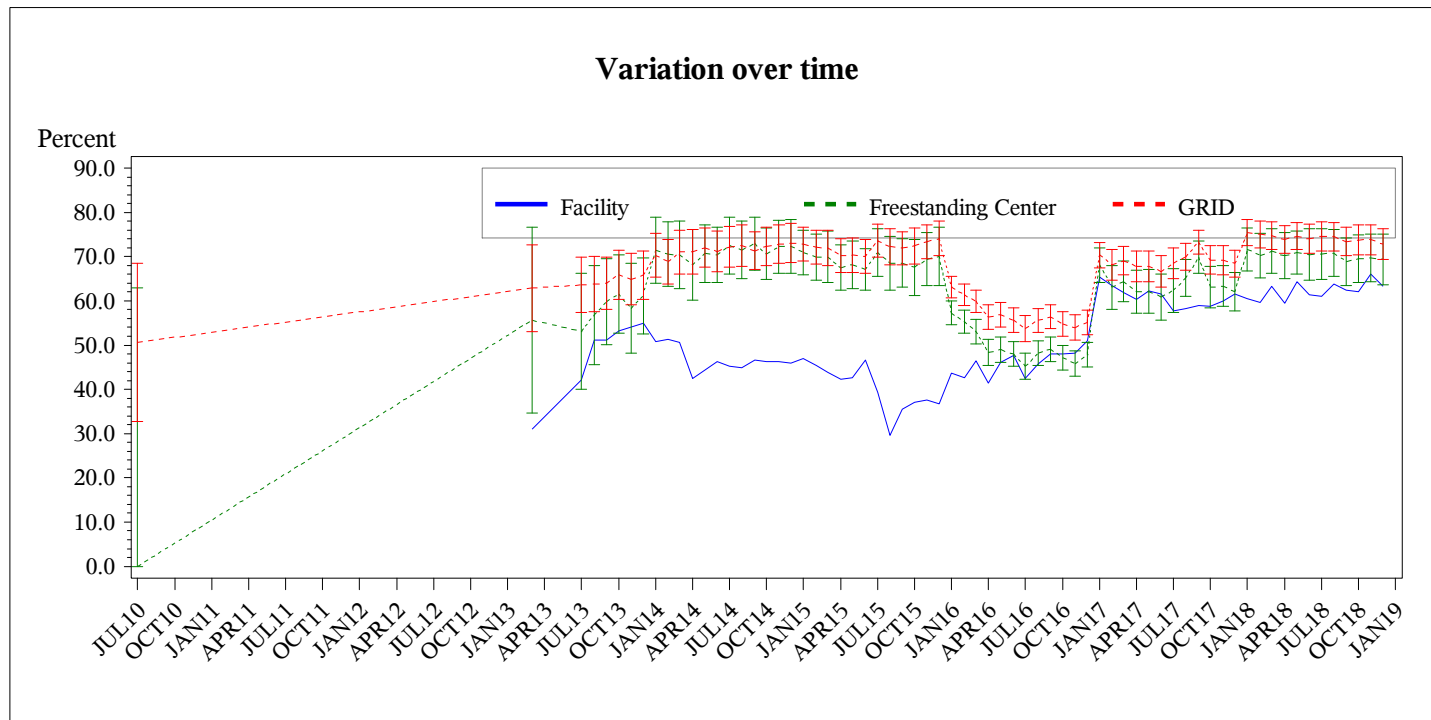
GRID Process Measure Variation: Ultrasound - percent exams signed within 12 hours
Variations across sites in current average reported Percent

Statistics	Site 100853	Sites with volume <50,000	Sites in the Northeast	Sites of type Freestanding Center	All GRID sites
N	0	99	79	94	191
Mean		86.9	86.6	87.2	89.0
Standard Deviation		14.2	14.7	14.0	12.4
Min		20.3	20.3	20.3	20.3
25th Percentile		81.8	79.2	82.1	84.1
Median		91.2	90.7	91.8	92.9
75th Percentile		97.8	98.0	97.8	98.5
Max		100.0	100.0	100.0	100.0



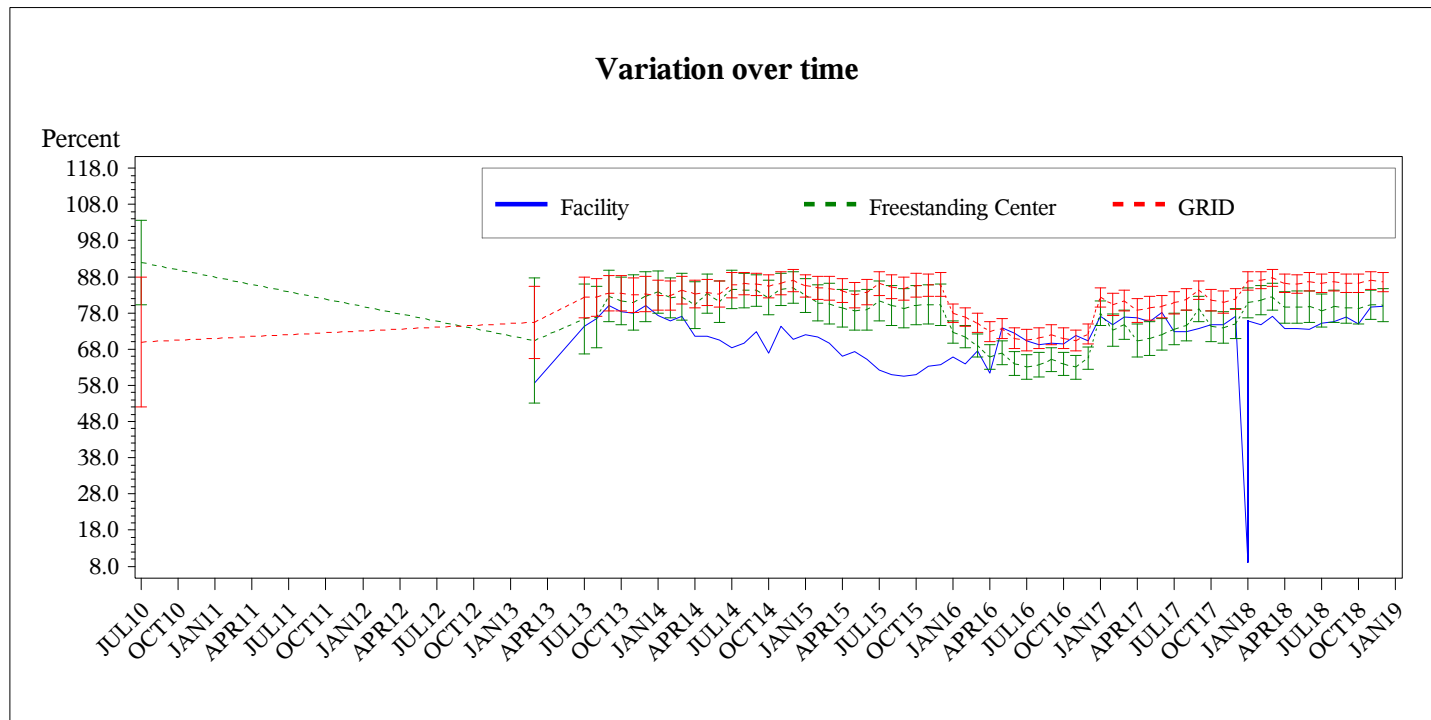
GRID Process Measure Variation: MRI - percent exams signed within 12 hours
Variations across sites in current average reported Percent

Statistics	Site 100853	Sites with volume <50,000	Sites in the Northeast	Sites of type Freestanding Center	All GRID sites
N	0	84	65	80	170
Mean		72.3	70.7	69.1	73.6
Standard Deviation		22.6	23.5	23.6	20.4
Min		19.9	19.9	19.9	19.9
25th Percentile		55.3	55.0	49.7	60.6
Median		76.5	69.6	72.1	77.3
75th Percentile		91.3	96.1	89.6	89.9
Max		100.0	100.0	100.0	100.0



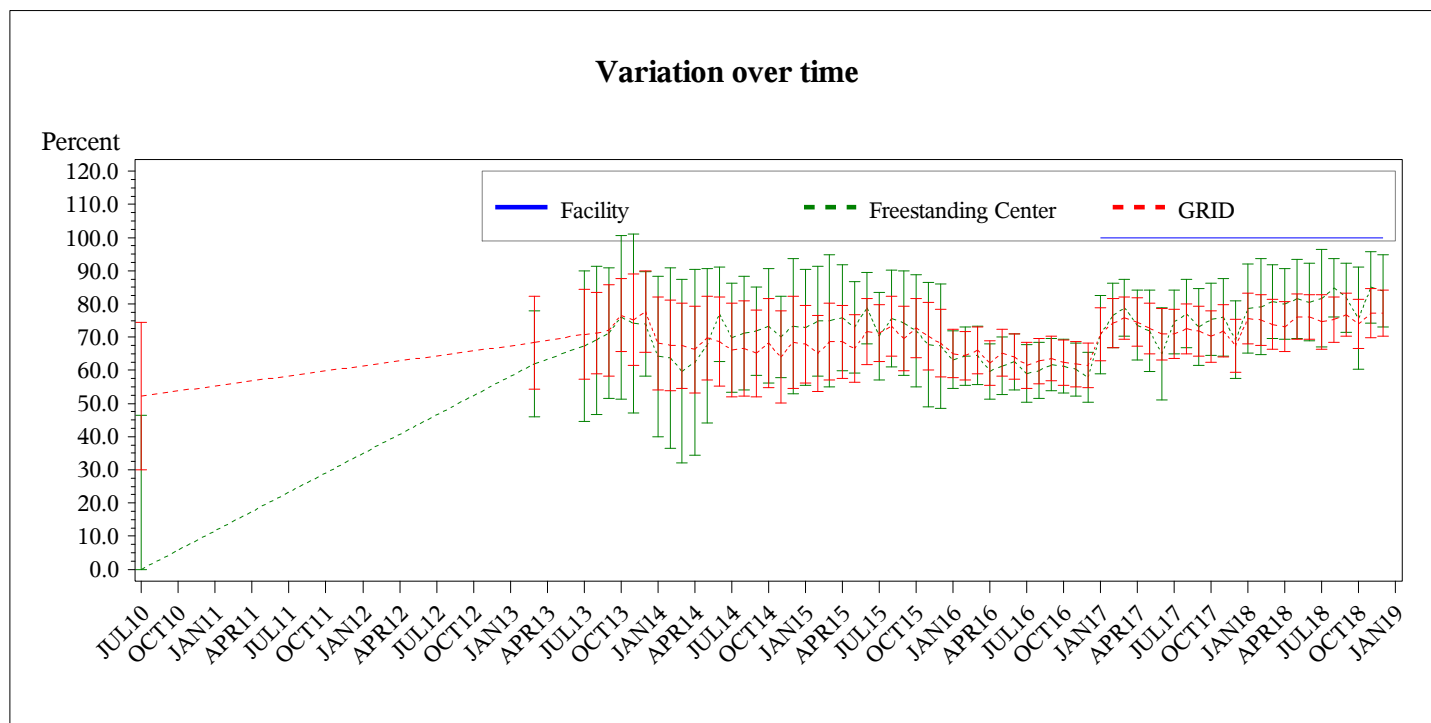
GRID Process Measure Variation: CT - percent exams signed within 12 hours
Variations across sites in current average reported Percent

Statistics	Site 100853	Sites with volume <50,000	Sites in the Northeast	Sites of type Freestanding Center	All GRID sites
N	0	93	73	85	183
Mean		82.1	85.3	77.4	85.4
Standard Deviation		19.5	19.4	21.1	17.9
Min		7.6	7.6	7.6	7.6
25th Percentile		69.4	80.6	64.5	78.6
Median		90.9	94.5	81.8	93.8
75th Percentile		98.1	98.7	95.4	98.4
Max		100.0	100.0	100.0	100.0



GRID Process Measure Variation: PET - percent exams signed within 12 hours
Variations across sites in current average reported Percent

Statistics	Site 100853	Sites with volume <50,000	Sites in the Northeast	Sites of type Freestanding Center	All GRID sites
N	0	11	16	16	52
Mean		68.5	80.1	78.0	75.3
Standard Deviation		32.7	19.8	28.5	23.9
Min		0.0	29.2	0.0	0.0
25th Percentile		41.8	66.8	72.0	65.7
Median		77.2	81.4	90.6	77.9
75th Percentile		95.2	100.0	98.1	95.5
Max		100.0	100.0	100.0	100.0



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