



NATIONAL QUALITY CENTER



# **in+care Campaign: Improving Retention in HIV Care**

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# Disclosures

**None of the authors has any conflicts of interest related to the content of this presentation.**





The in+care Campaign is designed to facilitate local, regional and state-level efforts to retain more HIV patients in care and to prevent HIV patients falling out of care while building and sustaining a community of learners among Ryan White providers.

## Methods

- Prospective analysis of participant-submitted sequential cross-sectional data of the measures
- Entry into online database with instantaneous benchmarking capability
- Enhanced reports generated by NQC staff once data are validated
  - Analysis by organizational caseload size
  - Analysis by organizational type
  - Analysis by consistency of submission
  - And much, much more!



## Limitations

- All data are reported by participating sites
- Data collections and methods vary by reporting entity and RW Part
- Data were not complete from all facilities due to missing info
- Patient counts are not unduplicated
- This analysis includes RW grantee, sub-grantee and non-grantee participants' data



# Creating in+care Campaign Measures

- Developed by a Technical Working Group chaired by Drs. Bruce Agins and Laura Cheever
  - Diverse educational, professional, experiential backgrounds
  - All are viewed as experts in HIV retention
- Measures have received national recognition since their design
  - Three were endorsed by Dr. Kathleen Sebelius for HHS universal reporting of HIV services
  - Three were endorsed by NQF and have become HAB core measures



## in+care Campaign Performance Measures

### **Viral Load Suppression**

Percentage of patients, over the age of 24 months, with a diagnosis of HIV/AIDS with a viral load less than 200 copies/mL at last viral load test during the measurement year

### **HIV Medical Visit Frequency**

Percentage of patients, over the age of 24 months, with a diagnosis of HIV/AIDS who had at least one medical visit with a provider with prescribing privileges in each 6-month period of the 24-month measurement period with a minimum of 60 days between medical visits

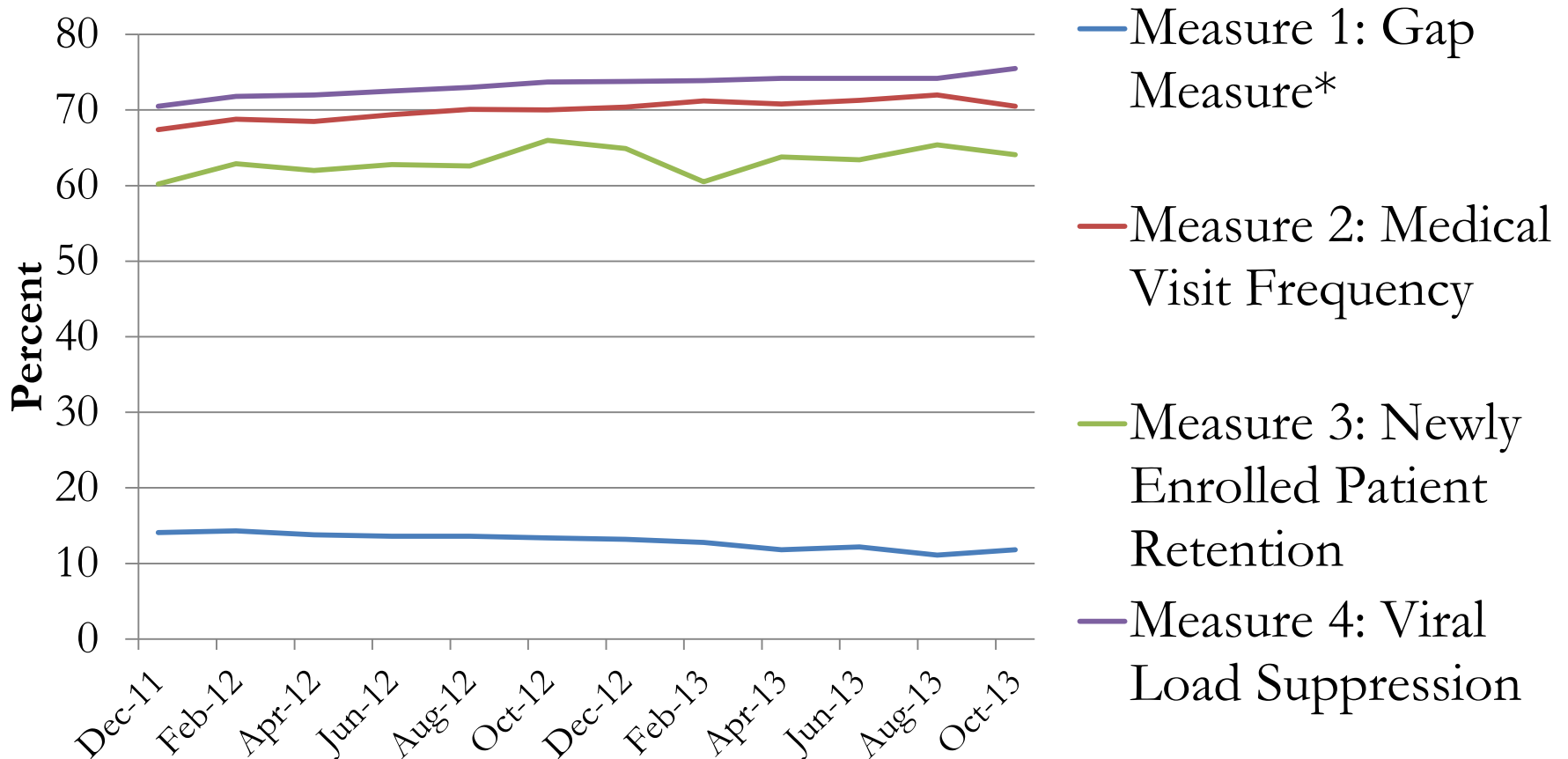
### **Gap in HIV Medical Visits**

Percentage of patients, over the age of 24 months, with a diagnosis of HIV/AIDS who did not have a medical visit with a provider with prescribing privileges in the last 180 days of the measurement year

### **Patients Newly Enrolled in Medical Care**

Percentage of patients, over the age of 24 months, with a diagnosis of HIV/AIDS who were newly enrolled with a medical provider with prescribing privileges who had a medical visit in each of the 4-month periods in the measurement year

## Mean Performance Over Time

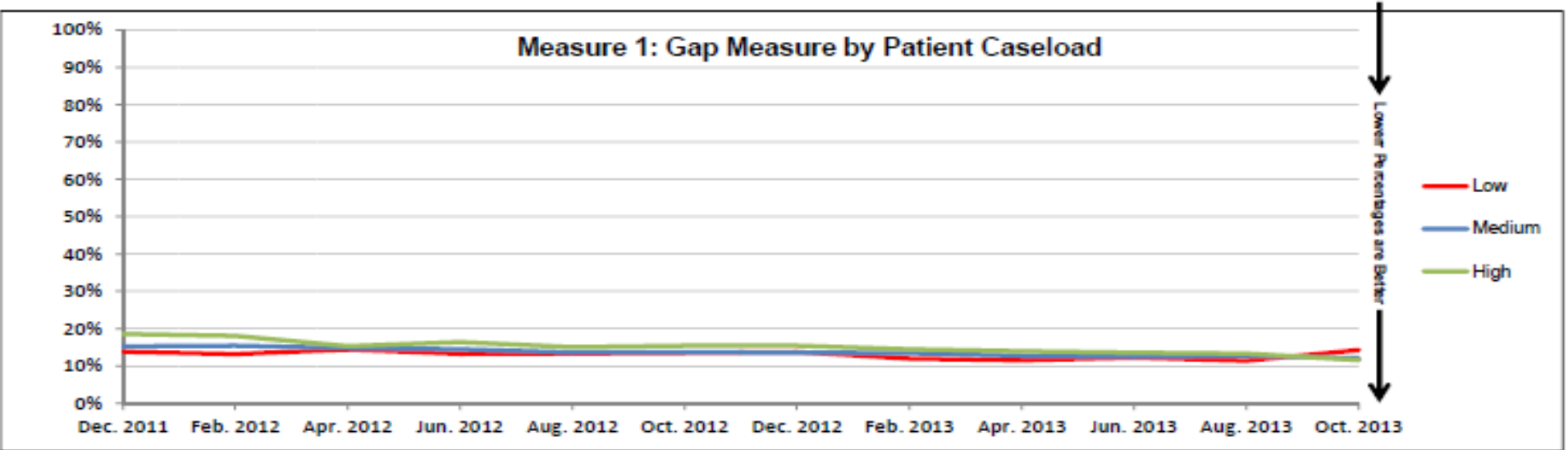


*\*inverse measure where low scores are better scores*

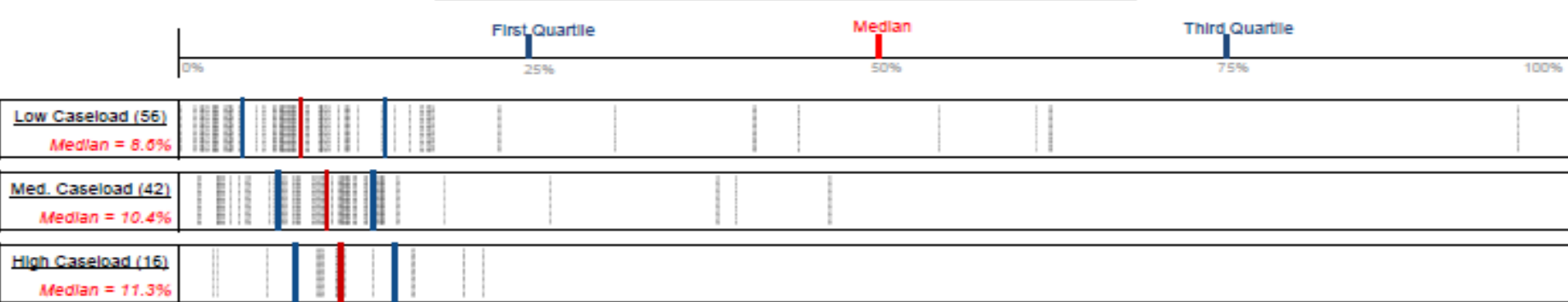


In+care Campaign	Measure 1: Gap Measure Averages by Patient Caseload								
	Low Caseload (Patients < 500)			Medium Caseload (500 < Patients < 2000)			High Caseload (2000 < Patients)		
	Reporting Date	%	#Site	#Pt	%	#Site	#Pt	%	#Site
BL - Dec. 2011	13.8	95	15250	15.3	86	59866	18.6	34	51102
Feb. 2013	11.9	84	14733	13.4	77	57388	14.5	28	57589
Apr. 2013	11.5	82	14603	12.7	67	50471	14.0	24	52105
Jun. 2013	12.2	79	14395	12.5	65	50369	13.6	24	49729
Aug. 2013	11.4	76	13525	12.8	60	44969	13.3	22	60391
Oct. 2013	14.3	56	9747	12.1	42	32126	11.6	16	36132

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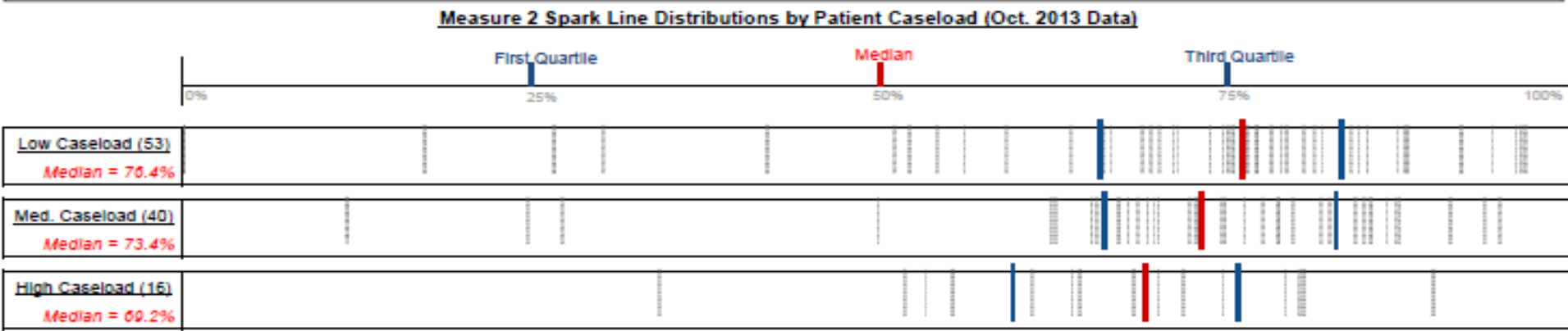
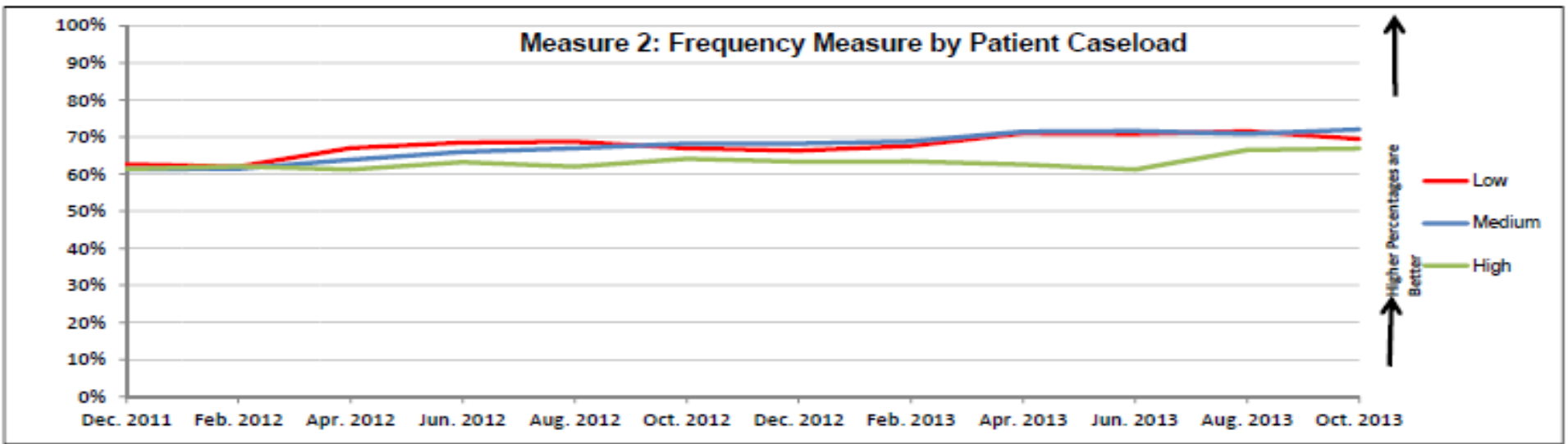


Measure 1 Spark Line Distributions by Patient Caseload (Oct. 2013 Data)



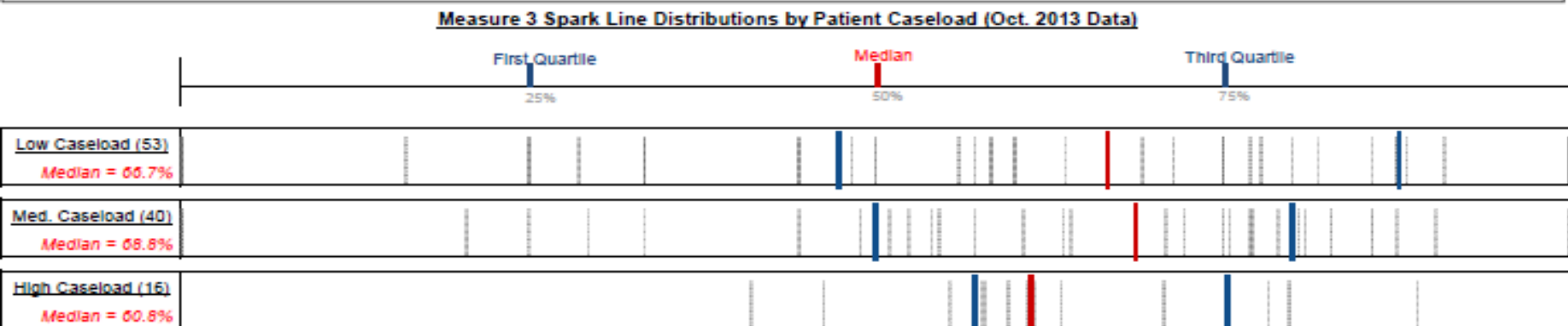
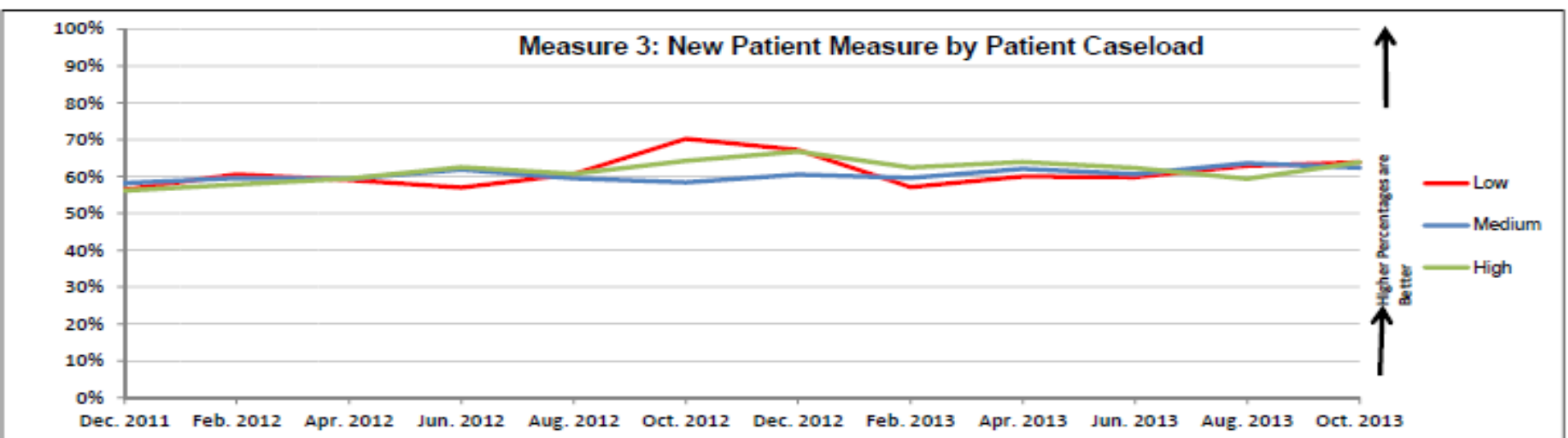
In-care Campaign	Measure 2: Frequency Measure Averages by Patient Caseload								
	Low Caseload (Patients < 500)			Medium Caseload (500 < Patients < 2000)			High Caseload (2000 < Patients)		
	%	#Site	#Pt	%	#Site	#Pt	%	#Site	#Pt
Reporting Date									
BL - Dec. 2011	62.6	73	9969	61.3	64	40805	61.4	26	39864
Feb. 2013	67.6	79	11932	68.8	73	51962	63.4	25	44301
Apr. 2013	71.0	79	12722	71.5	65	47031	62.6	21	37780
Jun. 2013	70.8	78	12285	71.6	64	47064	61.2	21	36468
Aug. 2013	71.6	73	11356	70.9	59	39796	66.5	19	49261
Oct. 2013	69.5	53	7856	72.0	40	28358	66.9	16	33464

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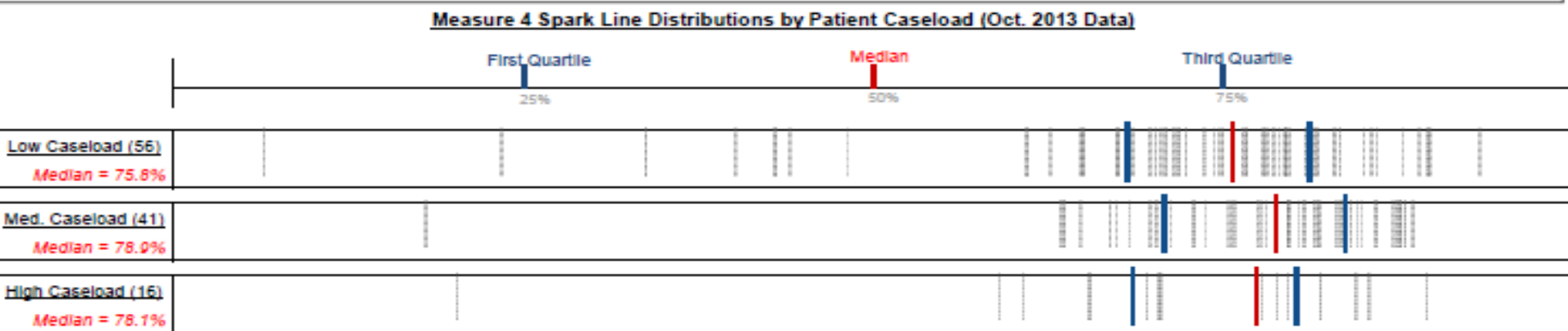
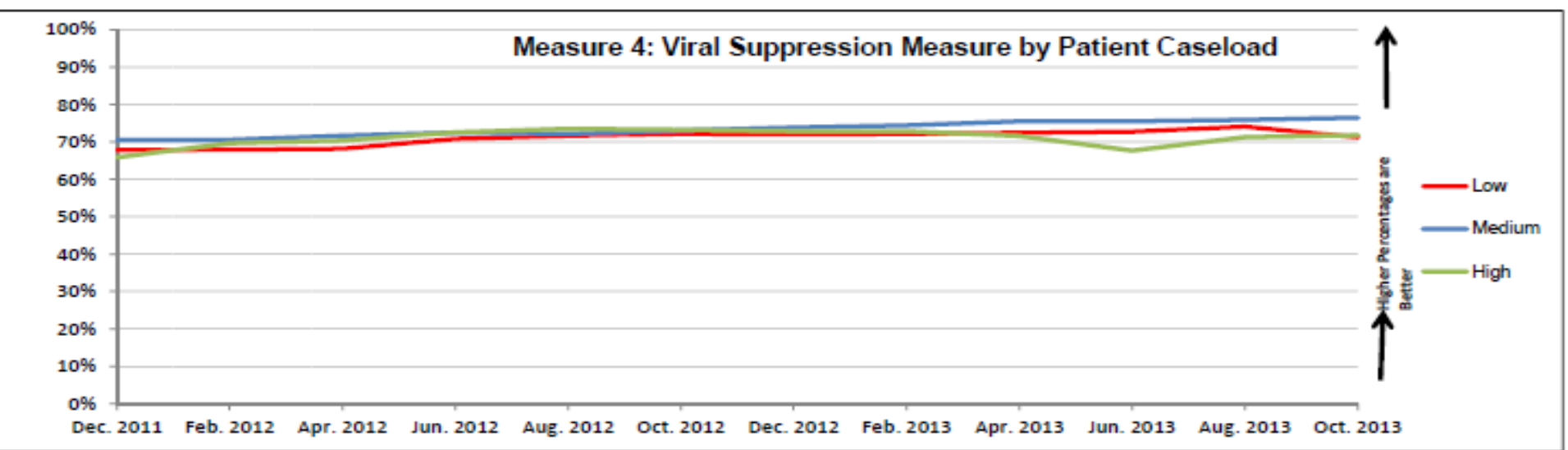
In+care Campaign Reporting Date	Measure 3: New Patient Measure Averages by Patient Caseload								
	Low Caseload (Patients < 500)			Medium Caseload (500 < Patients < 2000)			High Caseload (2000 < Patients)		
	%	#Site	#Pt	%	#Site	#Pt	%	#Site	#Pt
BL - Dec. 2011	56.4	91	1784	58.2	78	2536	56.2	32	3299
Feb. 2013	57.1	83	1234	59.6	76	3271	62.5	28	4060
Apr. 2013	60.0	81	1237	62.1	66	2033	63.9	23	3461
Jun. 2013	59.8	79	1141	60.7	64	2152	62.4	23	3347
Aug. 2013	62.9	77	716	63.6	60	1735	59.4	20	3203
Oct. 2013	63.9	56	512	62.4	41	1223	63.9	16	2638

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In+care Campaign	Measure 4: Viral Suppression Measure Averages by Patient Caseload								
	Low Caseload (Patients < 500)			Medium Caseload (500 < Patients < 2000)			High Caseload (2000 < Patients)		
	%	#Site	#Pt	%	#Site	#Pt	%	#Site	#Pt
Reporting Date									
BL - Dec. 2011	67.9	91	18006	70.6	83	64979	65.9	34	58557
Feb. 2013	72.2	83	17767	74.4	76	67137	72.8	26	60418
Apr. 2013	72.4	83	17406	75.5	68	61298	71.6	24	59879
Jun. 2013	72.7	81	17296	75.5	66	61410	67.7	24	60635
Aug. 2013	74.1	77	16063	75.9	56	49646	71.3	22	73357
Oct. 2013	71.2	56	11732	76.5	41	37119	71.8	16	44088

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## Campaign Data Submissions through 12/13

	<b>Total Number of Organizations Submitting Data</b>	<b>Average Number of Submissions per Organization (SD)</b>
<b>Gap Measure</b>	273	8.7 (4.2)
<b>Visit Frequency</b>	244	8.5 (4.1)
<b>New Patient</b>	258	8.8 (4.0)
<b>Viral Suppression</b>	272	8.7 (4.2)

## Discussion

- Partnerships around data systems
  - Participant-to-participant
  - HAB and other data system managers
- Improvement in all measures
- More improvement over time seen in lowest quartile at baseline than highest quartile
- CHC had higher levels of performance than hospitals or health departments
- Medium caseload had higher performance than low or high caseload organizations



# Future Directions

## Campaign transition from active to sustaining phase

- Aims for continued performance measurement
  - Streamline and automate data validation process
  - Improve database for more user-friendly data entry
  - Enhanced benchmarking ability for Campaign participants
  - Analyze other measures for intermediary outcome evaluation
- Aims for continued improvement strategy collection
  - New Sharelab application to better tie the intervention and performance measurement data



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## Question & Answer



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