APPENDIX: Metrics from Table 2 limited to providers (n=46) with data in all study years

| Metric | Median per provider (25th percentile, 75th percentile) | | | | | P for trend |
	All Years[a]	2010	2011	2012	2013	
Data access						
% of encounters per provider with:						
Problem list marked as reviewed	8.8 (4.1-12.0)	5.0 (1.9-19.9)	8.0 (3.3-12.8)	7.8 (3.6-10.2)	6.2 (3.1-10.3)	.02
Medication list marked as reviewed	4.1 (2.3-9.4)	2.1 (0.1-10.1)	3.5 (1.1-11.1)	4.6 (2.1-9.5)	8.1 (3.3-10.6)	.75
Allergies marked as reviewed	80.4 (74.0-83.7)	79.1 (73.8-82.8)	82.3 (75.3-87.2)	81.2 (75.3-85.8)	80.3 (74.6-85.7)	.16
Problem list altered	21.7 (16.2-28.7)	19.6 (14.8-23.8)	21.4 (16.3-26.0)	22.2 (16.0-29.9)	23.1 (15.7-30.7)	.004
≥ 1 problem added	21.7 (16.2-28.7)	19.6 (14.8-23.8)	21.4 (16.3-26.0)	22.2 (16.0-29.7)	23.1 (15.7-30.7)	.004
≥ 1 problem replaced	0.0 (0.0-0.0)	0.0 (0.0-0.0)	0.0 (0.0-0.0)	0.0 (0.0-0.0)	0.0 (0.0-0.0)	.049
≥ 1 problem dropped	0.0 (0.0-0.0)	0.0 (0.0-0.0)	0.0 (0.0-0.0)	0.0 (0.0-0.0)	0.0 (0.0-0.0)	.06
Days to review laboratory results	4.8 (3.3-8.6)	4.8 (3.0-8.1)	5.3 (3.0-9.5)	4.2 (3.0-7.8)	4.0 (2.5-6.5)	.03
Clinical decision support measures						
% best practice alerts 'accepted'	21.2 (14.8-30.1)	19 (13-27)	20 (14-31)	24 (17-30)	23 (16-28)	.01
% prescribing alerts 'accepted'	0.1 (0.0-0.2)	0.1 (0.0-0.3)	0.0 (0.0-0.2)	0.0 (0.0-0.1)	0.0 (0.0-0.1)	.03
Drug-allergy alerts	0.0 (0.0-0.3)	0.0 (0.0-0.0)	0.0 (0.0-0.0)	0.0 (0.0-0.0)	0.0 (0.0-0.0)	NT
Drug-disease alerts	0.0 (0.0-0.0)	0.0 (0.0-0.0)	0.0 (0.0-0.0)	0.0 (0.0-0.0)	0.0 (0.0-0.0)	NT
Drug-drug interaction alerts	0.1 (0.0-0.3)	0.1 (0.0-0.4)	0.0 (0.0-0.3)	0.0 (0.0-0.1)	0.0 (0.0-0.1)	NT
Drug-food alerts	0.0 (0.0-0.0)	0.0 (0.0-0.0)	0.0 (0.0-0.0)	0.0 (0.0-0.0)	0.0 (0.0-0.0)	NT
Ordering						
Labs ordered per encounter	0.9 (0.6-1.4)	0.7 (0.4-1.0)	0.8 (0.5-1.2)	1.2 (0.8-1.6)	1.2 (0.8-1.6)	<.001
Number of order set uses per encounter	1.1 (0.9-1.4)	1.0 (0.9-1.4)	1.2 (0.9-1.6)	1.1 (0.9-1.5)	1.1 (0.9-1.3)	.49
Care coordination measures						
% encounters with after-visit summary printed	54.4 (27.9-70.5)	12.4 (3.4-38.2)	50.3 (21.2-71.9)	65.2 (39.4-91.5)	92.7 (67.1-96.6)	<.001
Patients messaged/month	2 (1-5)	1 (0-3)	2 (1-5)	3 (1-6)	2 (1-5)	.40
Provider-initiated messages/month	3 (1-6)	2 (0-4)	2 (1-5)	3 (1-6)	2 (1-6)	.48
% patient-initiated messages responded to	99 (98-100)	100 (100-100)	100 (99-100)	100 (98-100)	100 (94-100)	.27
% of patient panel using portal during year	8.3 (5.3-19.9)	11.2 (6.4-26.1)	11.3 (5.9-22.9)	8.6 (5.3-15.6)	8.1 (4.9-15.4)	<.001[b]
% of portal users using portal ≥ 15 times/year	57.3 (52.0-63.5)	55.3 (51.2-65.6)	59.1 (53.2-65.7)	63.7 (56.7-71.1)	54.9 (43.7-60.0)	<.001[b]
Population/panel level						
Viewed panel-level reports	2.9 (0.0-9.4)	NA	1 (0-8)	3 (0-9)	0 (0-4)	.16
MU objective measures[c]						
Core						
Core 1 – CPOE	100 (99-100)	NA	100 (99-100)	100 (99-100)	100 (99-100)	.01
Core 3 – Problem list	97 (96-98)	NA	96 (95-98)	97 (96-98)	98 (97-99)	<.001
Core 4 – E-prescribing	74 (56-87)	NA	72 (53-87)	76 (55-89)	77 (59-88)	<.001
Core 5 – Medication list	95 (93-97)	NA	95 (93-97)	95 (93-97)	96 (95-98)	<.001
Core 6 – Allergy list	99 (99-100)	NA	99 (99-100)	99 (99-100)	99 (99-100)	.02

Core 7 – Demographics recorded	94 (90-96)	NA	94 (90-96)	93 (91-95)	95 (91-96)	.12
Core 8 – Vitals recorded	97 (97-98)	NA	97 (96-98)	97 (97-98)	98 (97-98)	<.001
Core 9 – Smoking status recorded	98 (97-99)	NA	98 (96-99)	98 (98-99)	99 (98-99)	<.001
Core 11 – Patient copy of health information	100 (100-100)	NA	--d	--d	100 (100-100)	NT
Core 12 – After-visit summary	55 (32-74)	NA	43 (27-62)	56 (35-79)	65 (46-80)	<.001
Menu						
Menu 7 – Timely access to data for patients	79 (76-86)	NA	73 (70-79)	81 (77-88)	86 (83-91)	<.001
Menu 8 – Patient education	65 (56-72)	NA	56 (46-67)	70 (60-79)	74 (68-82)	<.001
Menu 9 – Medication reconciliation	10 (7-20)	NA	9 (3-19)	12 (7-22)	18 (10-27)	<.001
Menu 10 – Summary of care at transitions	66 (32-88)	NA	52 (21-78)	76 (41-95)	82 (53-96)	<.001

a. For panel-level reports and MU measures, this column contains weighted averages. For remaining metrics, pooled results are reported.

b. Comparisons do not include 2013 data as half-year results would not be expected to be similar to full-year results.

c. Percent of patients for whom metric was met, except for e-prescribing metric, which is calculated as percent of prescriptions. Core 2, 10, 13 were accomplished at the organizational level and are not included as they do not vary by provider.

d. No provider had data for this measure in 2011 or 2012.