Medication Adherence: The Quality Bullet

Suboptimal Medication Use and Adherence:
The Intersection of Research, Implementation and Policy

December 5, 2016

What is the Pharmacy Quality Alliance?

Pharmacy Quality Alliance's Mission Statement:

Improve the quality of medication management and use across health care settings with the goal of improving patients' health through a collaborative process to develop and implement performance measures and recognize examples of exceptional pharmacy quality.

Measure Development & Maintenance	Implementation of PQA Measures	Infrastructure & Engagement	Communication & Education

Research and Demonstration Projects

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2016 Medicare Part D Star Ratings

Measure ID	Measure Name	Part D Summary	MA-PD Overall
D01	Call Center—Foreign Language Interpreter and TTY	1.5	1.5
D02	Appeals Auto– Forward	1.5	1.5
D03	Appeals Upheld	1.5	1.5
D04	Complaints about the Drug Plan	1.5	1.5
D05	Members Choosing to Leave the Plan	1.5	1.5
D06	Beneficiary Access and Performance Problems	1	1
D07	Drug Plan Quality Improvement	5	5
D08	Rating of Drug Plan	1.5	1.5
D09	Getting Needed Prescription Drugs	1.5	1.5
D10	MPF Price Accuracy	1	1
D11	High Risk Medication	3	3
D12	Medication Adherence for Diabetes Medications	3	3
D13	Medication Adherence for Hypertension (RAS antagonists)	3	3
D14	Medication Adherence for Cholesterol (Statins)	3	3
D15	Comprehensive Medication Review Completion	1	1

Adapted from CMS - "Medicare 2016 Part C & D Star Rating Technical Notes". Accessed July 2016.

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If you build it

2016 Star Ratings - Enrollment Weighted Average MA-PD Overall Rating in Non-EGHP Counties
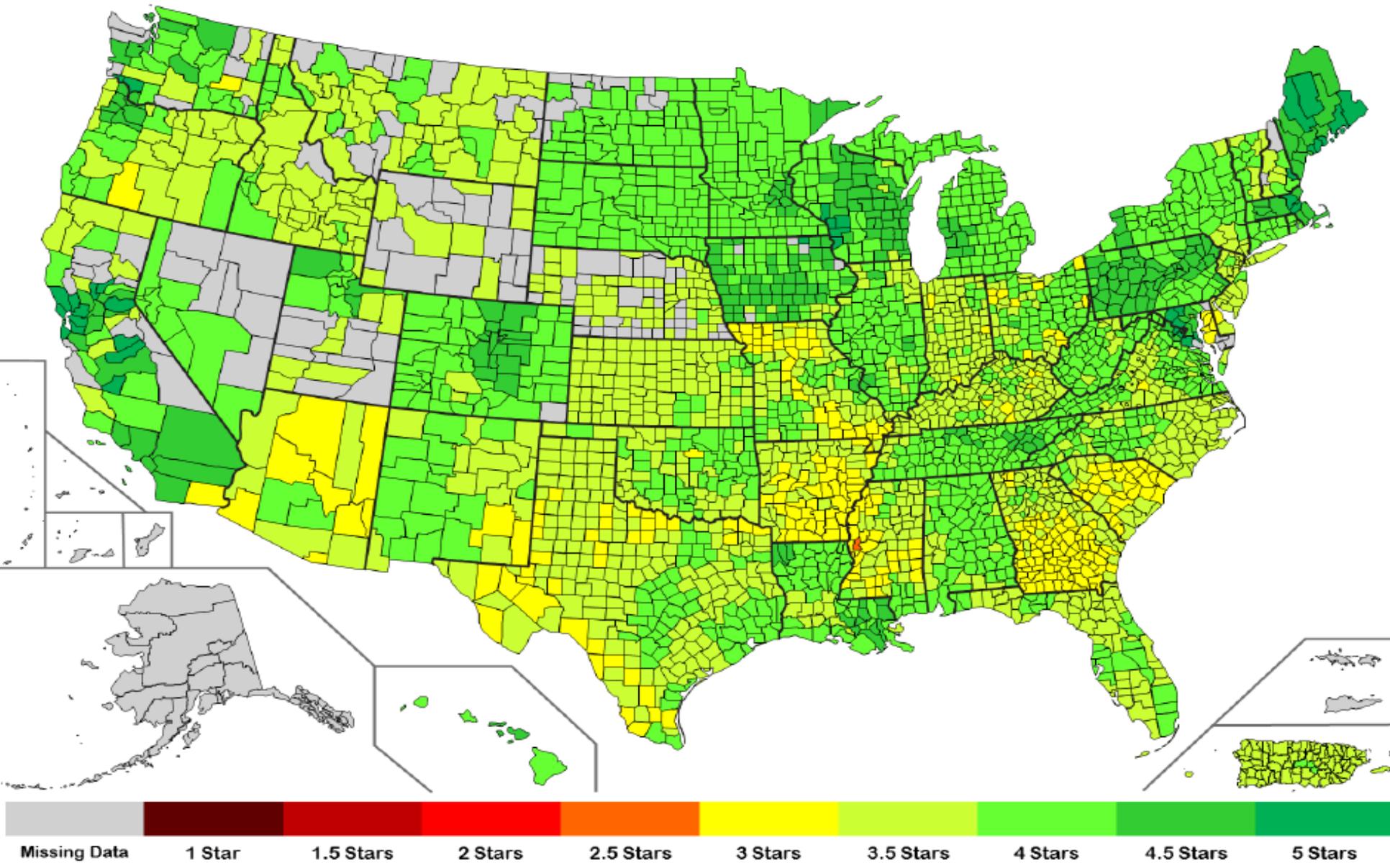
| Missing Data | 1 Star | 1.5 Stars | 2 Stars | 2.5 Stars | 3 Stars | 3.5 Stars | 4 Stars | 4.5 Stars | 5 Stars |

Adapted from "CMS 2016 Star Ratings Fact Sheet". Atlantic Information Services, Inc. Accessed Jul 2016 at:
https://aishealth.com/sites/all/files/cms-2016-star-ratings-fact-sheet.pdf.

MA-PD Star Ratings Distribution

Overall Rating	2015			2016		
	Number of Contracts	%	Weighted by Enrollment	Number of Contracts	%	Weighted By Enrollment
5 stars	11	2.78	9.88	12	3.25	10.23
4.5 stars	61	15.44	19.59	65	17.62	25.02
4 stars	86	21.77	30.32	102	27.64	35.71
3.5 stars	136	34.43	26.78	112	30.35	19.55
3 stars	73	18.48	10.98	66	17.89	8.60
2.5 stars	26	6.58	2.37	12	3.25	0.90
2 stars	2	0.51	0.08	0	0.00	0.00
Total Number of Contracts	395			369		
Average Star Rating*	3.92			4.03		

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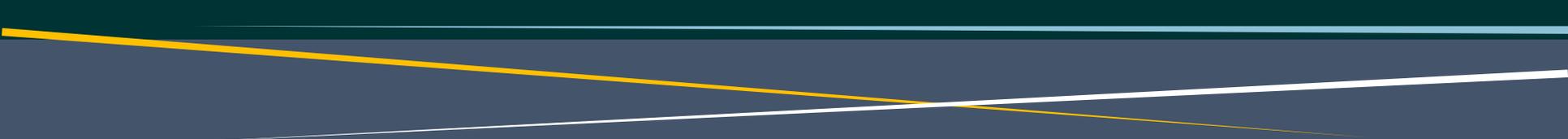
Are you down with PDP?

2016 Star Ratings - Enrollment Weighted Average PDP Part D Rating in Non-EGHP Counties
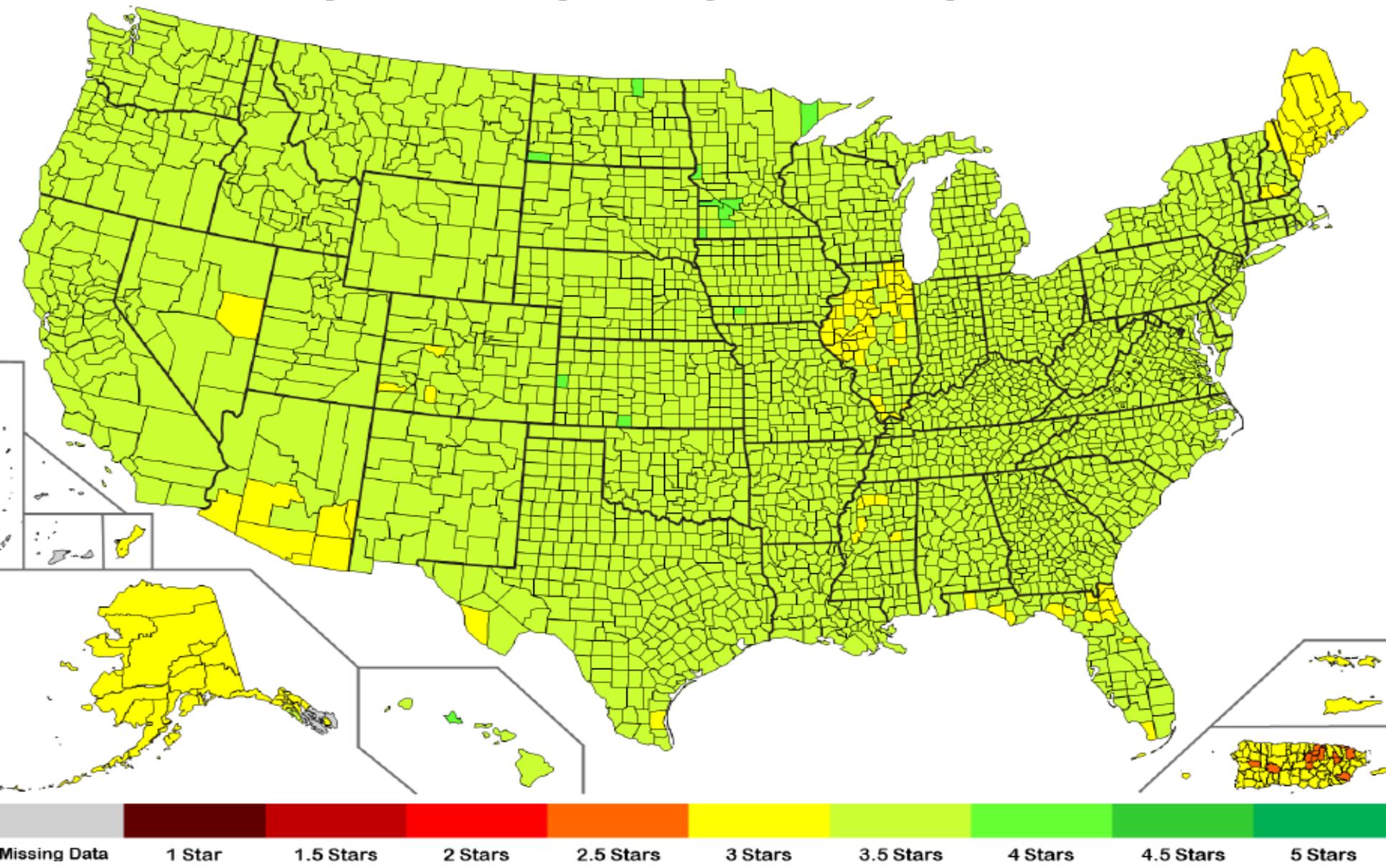
| Missing Data | 1 Star | 1.5 Stars | 2 Stars | 2.5 Stars | 3 Stars | 3.5 Stars | 4 Stars | 4.5 Stars | 5 Stars |

Adapted from "CMS 2016 Star Ratings Fact Sheet". Atlantic Information Services, Inc. Accessed Jul 2016 at:
https://aishealth.com/sites/all/files/cms-2016-star-ratings-fact-sheet.pdf.

PDP Star Ratings Distribution

Part D Rating	2015			2016		
	Number of Contracts	%	Weighted by Enrollment	Number of Contracts	%	Weighted by Enrollment
5 stars	3	4.92	1.50	2	3.39	0.13
4.5 stars	11	18.03	7.28	10	16.95	1.63
4 stars	17	27.87	43.94	12	20.34	29.95
3.5 stars	18	29.51	40.40	12	20.34	21.76
3 stars	7	11.48	0.61	14	23.73	38.88
2.5 stars	3	4.92	5.99	8	13.56	7.65
2 stars	1	1.64	0.01	1	1.69	0.01
1.5 stars	1	1.64	0.27	0	0.00	0
Total Number of Contracts	61			59		
Average Star Rating*	3.75			3.40		

Adapted from "CMS 2016 Star Ratings Fact Sheet". Atlantic Information Services, Inc. Accessed Jul 2016 at:
https://aishealth.com/sites/all/files/cms-2016-star-ratings-fact-sheet.pdf.

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Illustration of Additional Bonus Payments for 5-star plan, in 2012
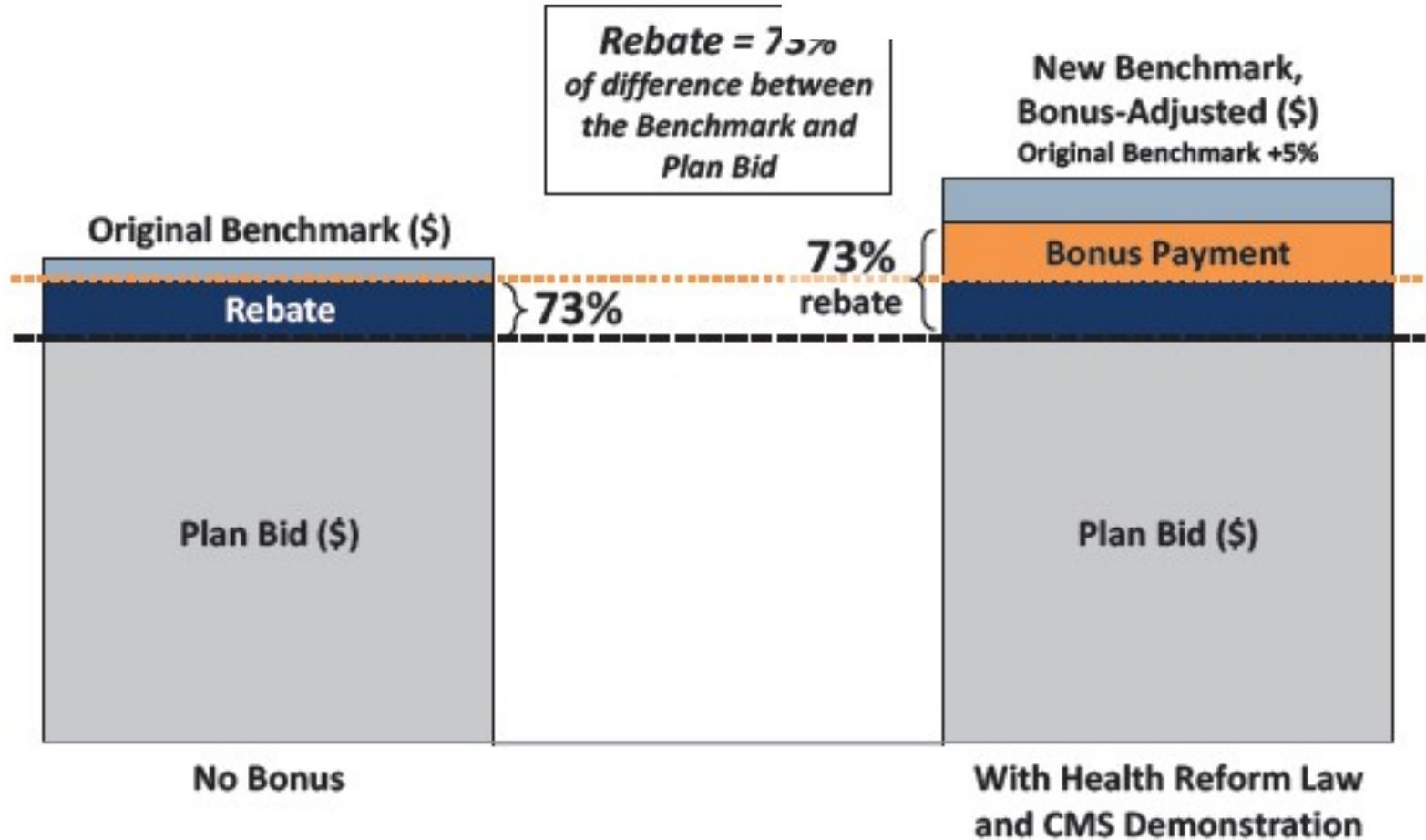
SOURCE: Kaiser Family Foundation analysis of the 2011 Medicare Health Plan Quality and Performance Ratings.

The New Healthcare System

Patient-reported Outcomes in Quality Measurement

PRO	→	PROM	→	PRO-PM
patient-reported outcomes		*instrument, tool, single-item measure*		*PRO-based performance measure*
Information on the patient, told by the patient, without interpretation		Means to collect information told by the patient without interpretation		Means to aggregate information shared by the patient and collected into a reliable, valid measure of performance

EXAMPLE: Patient with Clinical Depression

Symptom: depression		Patient Health Questionnaire (PHQ-9©), a standardized tool to assess depression		Percentage of patients with diagnosis of major depression or dysthymia and initial PHQ-9 score >9 with a follow-up PHQ-9 score <5 at 6 months (NQF #0711)

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Optimizing Patients' Health by Improving the Quality of Medication Use

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