





What Adherence Important?



Slide 2

- **SS1** Not sure what you are trying to say here. Why Adherence is Imoprtant; What adherence is important? Either way, you are missing a word. Sarah Shonk, 11/19/2020
- DL1 l agree with Sarah. Dinah Langsjoen, 11/19/2020

Impact of Poor Adherence

Poor adherence causes

125,000

deaths a year

50%

of patients with chronic conditions do not take their medications as prescribed

1/3 to 2/3

of medication-related hospitalizations in the US are the result of poor medication adherence

\$100+ Billion

Excess costs are attributable to poor medication adherence in the US

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Revenue Impact

Medication-related adherence behavior influences

50%

of achievable points in Star Ratings performance

Increasing from 3 to 4 stars provides plans with an

8-12%

enrollment increase

70%

of plans that achieve 4+ Stars also earn 4+ Stars on all three medication adherence measures Increasing from 3 to 4 stars provides plans with up to a

5%

boost to revenue

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Slide 4

DL3 I broke up the long sentence as it visually filled too much of the square IMO Dinah Langsjoen, 11/19/2020

Star Rating Measures



Star Rating Measures

Number of measures	Star Rating Measures	Points/Total Estimated Points	Percentage of Estimated Points
8	Explicit Medication Related Measurements	14 of 75 points	18.7%
	Process Measures		
	 C09-Care for Older Adults—Medication Review 	1 point	
	 C20-Medication Reconciliation Post Discharge 	1 point	
	C22-Statin Therapy for Patients with Cardiovascular Disease	1 point	
	 D13-MTM Program Completion Rate for CMR 	1 point	
	Intermediate Outcome Measures		
	 D10-Medication Adherence for Diabetes Medications 	3 points	
	D11-Medication Adherence for Hypertension (RAS Antagonists)	3 points	
	 D12-Medication Adherence for Cholesterol (Statins) 	3 points	
	 D14-Statin Use in Persons with Diabetes (SUPD) 	1 point	
6	Health Impact Measurements	10.5 of 75 points	14%
	Process Measures		
	 C03-Annual Flu Vaccine^a 	1 point	
	 C12-Osteoporosis Management in Women Who Had a Fracture^a 	1 point	
	 C17-Rheumatoid Arthritis Management^a 	1 point	
	Intermediate Outcome Measures		
	 C15-Diabetes Care—Blood Sugar Controlled^b 	3 points	
	Outcome Measure		
	 C21-Plan All-Cause Readmissions^c 	3 points	
	Patient Experience and Complaints Measures		
	 C28-Care Coordination^d 	1.5 points	
2	Patient Experience Measurements	3 of 75 points	4%
	Patient Experience and Complaints Measures		
	 D07-Rating of [Prescription] Drug Plan^o 	1.5 points	
	 D08-Getting Needed Prescription Drugs 	1.5 points	
2	Plan Improvement Measurements	10 of 75	13.3%
	Improvement Measures		
	 C31-Health Plan Quality Improvementⁱ 	5 points	
	 DO6-Drug Plan Quality Improvement¹ 	5 points	
18	TOTAL	37.5 of 75 points	50%

Medicare Advantage Star Ratings Measures (Part C and D) for 2019 Reporting Year Related to Medication Behavior

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Diabetes Medications

- Weight = 3
- 2019 MY National Average = 83%, 3.9 stars
- Examples include Metformin and Sitagliptin
- Insulin patients are excluded from the measure
- Excludes drug combinations used for dietary purposes

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Table BG: Biguanides^{a,b}

Biguanide Medications and Combinations

metformin (+/- alogliptin, canagliflozin, dapagliloflozin, empagliflozin, ertugliflozin, glipizide, glyburide, linagliptin, pioglitazone, repaglinide, rosiglitazone, saxagliptin, sitagliptin)

a Active ingredients are limited to oral formulations only.

b Excludes nutritional supplement/dietary management combination products.

Table SFU: Sulfonylureas^a

Sulfonylurea Medications and Combinations										
chlorpropamide	glipizide (+/- metformin)	tolazamide								
glimepiride (+/- pioglitazone)	glyburide (+/- metformin)	tolbutamide								

a Active ingredients are limited to oral formulations only.

Table TZD: Thiazolidinediones^a

Thiazolidinedione Medications and Cor	nbinations
pioglitazone (+/- alogliptin, glimepiride, metformin)	rosiglitazone (+/- metformin)

a Active ingredients are limited to oral formulations only.

Table DPP4: DPP-4 Inhibitors ^a DPP-4 Medications and Combinations									
alogliptin (+/- metformin,	saxagliptin (+/- metformin,	sitagliptin (+/- metformin,							
pioglitazone)	dapagliflozin)	ertugliflozin)							

a Active ingredients are limited to oral formulations only.

Hypertension Medications (RASA)

- Enforcement of blood pressure medication
- Weight = 3
- 2019 MY National Average = 85%, 3.3 stars
- Examples include Lisinopril and Losartan
- Excludes drug combinations used for dietary purposes

Table RASA: Renin Angiotensin System (RAS) Antagonists a,b

Direct Renin Inhibitor Med	lications and Combinations
aliskiren (+/- hydrochlorothiazide)	
ARB Medications	and Combinations
azilsartan (+/- chlorthalidone)	irbesartan (+/- hydrochlorothiazide)
candesartan (+/- hydrochlorothiazide)	losartan (+/- hydrochlorothiazide)
eprosartan (+/- hydrochlorothiazide)	olmesartan (+/- amlodipine, hydrochlorothiazide)
telmisartan (+/- amlopdipine, hydrochlorothiazide)	valsartan (+/- amlodipine, hydrochlorothiazide
	nebivolol)
ACE Inhibitor Medications	and Combination Products
benazepril (+/- amlodipine, hydrochlorothiazide)	lisinopril (+/- hydrochlorothiazide)
captopril (+/- hydrochlorothiazide)	moexipril (+/- hydrochlorothiazide)
enalapril (+/- hydrochlorothiazide)	perindopril (+/- amlodipine)
fosinopril (+/- hydrochlorothiazide)	quinapril (+/- hydrochlorothiazide)
ramipril	trandolapril (+/- verapamil)

a Active ingredients are limited to oral formulations only.

b Excludes nutritional supplement/dietary management combination

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Cholesterol Medications (Statin)

- Enforcement of cholesterol medication
- Weight = 3
- 2019 MY National Average = 82%, 3.4 stars
- Examples include Simvastatin and Pravastatin

Table STATINS: Statins^a

Statin Medications											
fluvastatin	rosuvastatin										
atorvastatin (+/- amloo	atorvastatin (+/- amlodipine)										
simvastatin (+/-ezetim	ibe, niacin)	lovastatin (+/- niacin)									
a Active ingredients ar	e limited to oral formulat	ions only.									

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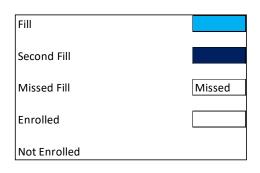
Adherence Methodology



Adherence Rates Methodology

Adherent: enough Rx refills to cover 80% of total prescribed days

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Adherent Member						Missed				Missed		
		1										
Non-Adherent Member										Missed		Missed
	r			- I			-				-	
One-Fill Member												
				-								
Past Oct Member												
Lanca Mombor						Missod	7					Missod
Lapse Member						Missed						Missed



Adherent Member	83%
Non-Adherent Member	50%
One-Fill Member	N/A
Past Oct Member	N/A
Lapse Member	N/A

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Adherence Adjustments - Overlapping Fills

2 drug names, no overlapping fills

Example 1: Non-Overlapping Fills of Two Different Drugs

	Jan	luary	Feb	ruary	March			
	1/1/2012	1/16/2012	2/1/2012	2/16/2012	3/1/2012	3/16/2012		
Benazepril	15	16	15	14				
Captopril					15	16		

Calculation

Covered Days = 90

Measurement Period = 90

PDC = 100%

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Adherence Adjustments - Overlapping Fills

Adjusting for Overlapping fills – only for the same drug name

Example 2: Overlapping Fills of the Same Drug

	Jar	nuary	Feb	oruary	March			
	1/1/2012	1/16/2012	2/1/2012	2/16/2012	3/1/2012	3/16/2012		
Lisinopril	15	16						
Lisinopril		16	15					
Lisinopril			15	14				

Calculation

Covered Days = 91

Measurement Period = 90

PDC = 100% (PDC > 100% rounded to 100%)

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Adherence Adjustments - Overlapping Fills

Adjusting for Overlapping fills – No adjustments for different drug name

0	Jar	nuary	Feb	oruary	Ma	arch	April		
	1/1/2012	1/16/2012	2/1/2012	2/16/2012	3/1/2012	3/16/2012	4/1/2012	4/16/2012	
Lisinopril	15	16							
Lisinopril		16	15						
Captopril					15	16			
Lisinopril						16	15		

Example 3: Overlapping Fills of the Same and Different Drugs

Calculation

Covered Days = 108

Measurement Period = 120

PDC = 90%

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Adherence Adjustments – IP Stays

Adjusting for Inpatient Stays – Assumes the patient fills their drug while admitted

Table L-10: Before Adjustment

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Drug Coverage	X	X	X			X	X	X	X			X	X	X	X
Inpatient Stay						+	+	+	+						

PDC Calculation: Covered Days: 11 Measurement Period: 15 PDC: 11/15 = 73%

Table L-11: After Adjustment

Day	1	2	3	4	5	10	11	12	13	14	15
Drug Coverage	Х	X	Х			+	+	Х	Х	X	X
Inpatient Stay											

PDC Calculation: Covered Days: 9 Measurement Period: 11 PDC: 9/11 = 82%

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Aggregate Stars Measure Value

- Calculate member level Proportion of Days Covered (PDC)
- ESRD/Hospice members are excluded
- Adjusted for IP stays negligible impact
- Members are adjusted for partial year enrollment
- Calculate contract level adherence value

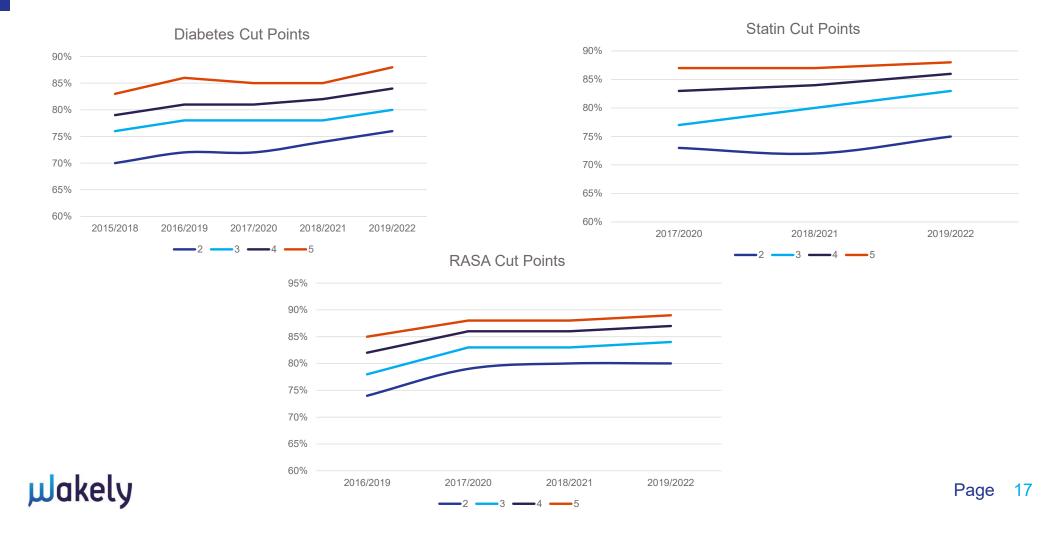
 $\frac{112 \text{ Adherent Members}}{31 \text{ Non-Adheren Members+11 Adherent Members}} = Measure Score = .78$

- Round the measure to nearest percentage point
- Compare to cut-points
- Add to overall Stars Calculation





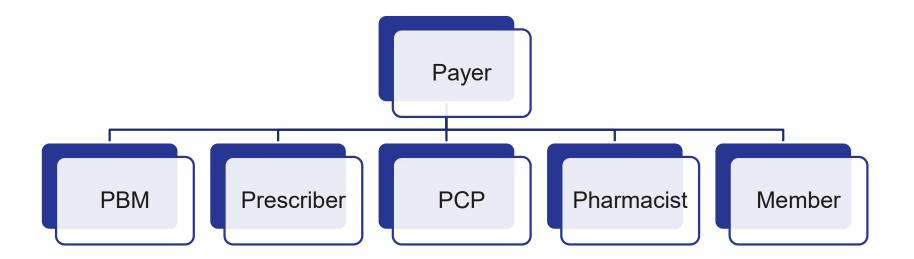
Adherence Cut Points



Taking Analytics to Operations



Payer Interactions

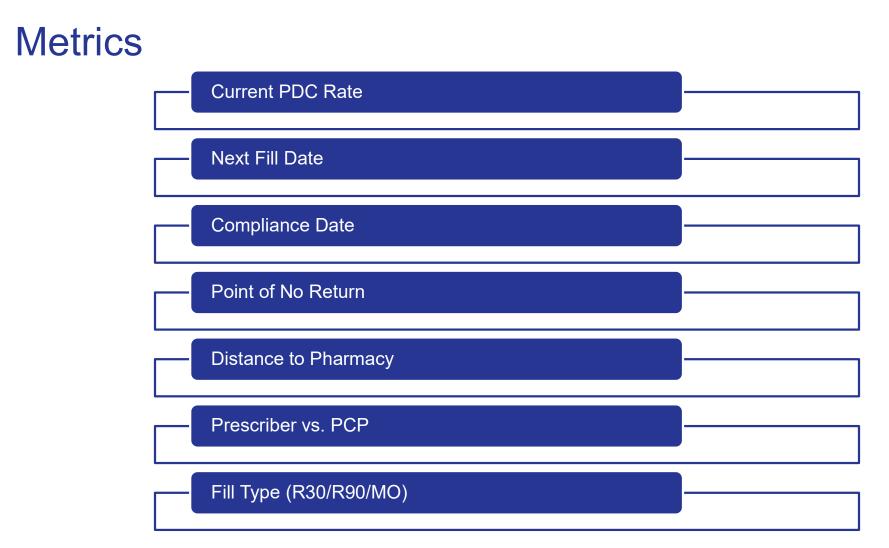


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Common Factors in Non-Adherence

Demographics Pharmacy Age • Proximity Loyalty • Ethnicity • Ease Social Determinants Medical History of non-adherence Living Situation Income Status • Number of chronic conditions • Household Size Medical data • Urban/Rural

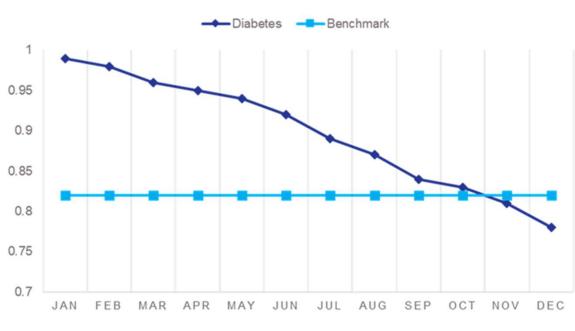
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Adherence Rate Completion

 PDC values decline over time, leading to a false sense of security when calculated mid-year.



MEASURE VALUE OVER TIME

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Aggregate Reporting

Calculate YTD rates by measure Apply completion factors at credible level Summarize both uncompleted and completed rates

Compare to benchmark, prior year data, and cut points

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Aggregate Reporting Example



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Strategies to Enhance Adherence

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Pharmacy Benefits	Lower copays for Retail 90 and Mail Order			
Transportation Benefit	Adding a transportation benefit to get patients to the Pharmacy			
Text Message Service	Test messaging reminders to members			
Mobile Pharmacy	More access to pharmacies			
PCP incentives	Add incentives to PCPs for adherence follow- ups			
PBM incentives	Add incentive in contract where PBM shares in benefit			

Other Considerations and Thoughts



Other Classes for Clinical Correlation Analytics

Antipsychotics	Can	icer	Depression		
Diuretics	Glaud	coma	Kidney Disease		
Asthma	н	V	Heart Failure		
Hyperte	ension	Hem	ophilia		

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Adherence Limitations

PDC Rate Definition

• Limited clinical evidence that 80% is the right number

Quality measures don't capture the best conditions

• Asthma, depression, cancer, etc.

Low-Income plans are disproportionality impacted

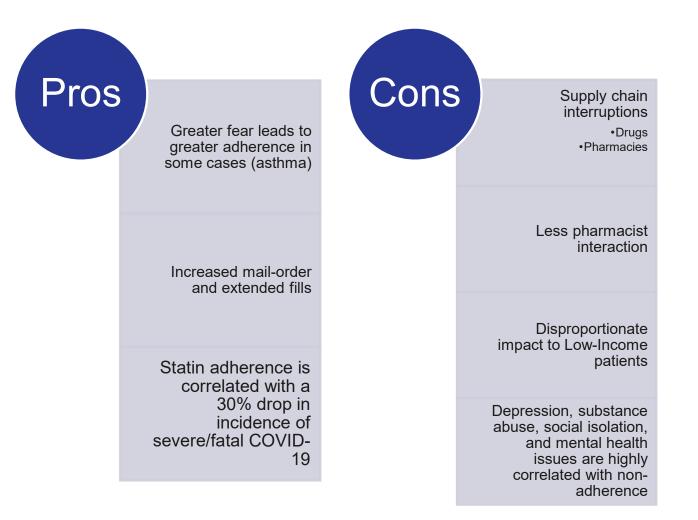
• More difficult to reach out to Low-Income patients, but clustering methodology compares to all MAPD plans

Even if drug is filled, is the patient is taking?

· Where to put incentives for adherence

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COVID-19 Impacts



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Thank You!

