

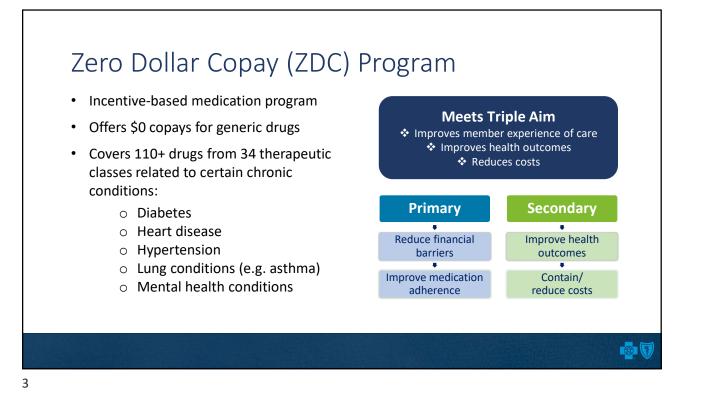
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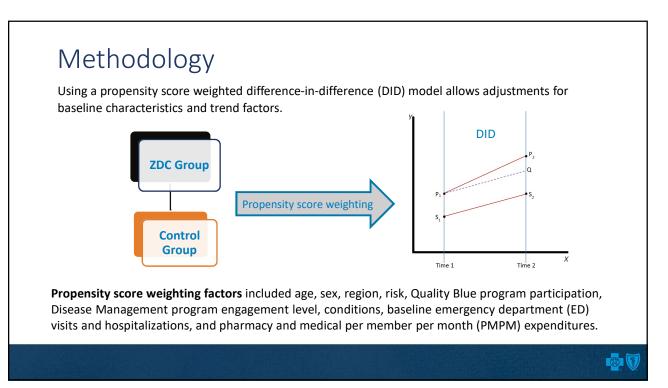
May 19, 2020



Improvement in Medication Adherence for Members Enrolled in a Zero Dollar Copay Program is Sensitive to Socioeconomic Status: A Blue Cross Blue Shield of Louisiana Perspective

> Yuan X, Cong M, Liu M, Ouyang J, Zhang Y, Williams H, Chaisson J, Louis K, Cantrell D, Mohundro B, Carby M, Ford M, Vicidomina B, Nigam S Blue Cross Blue Shield of Louisiana, Baton Rouge, LA, USA



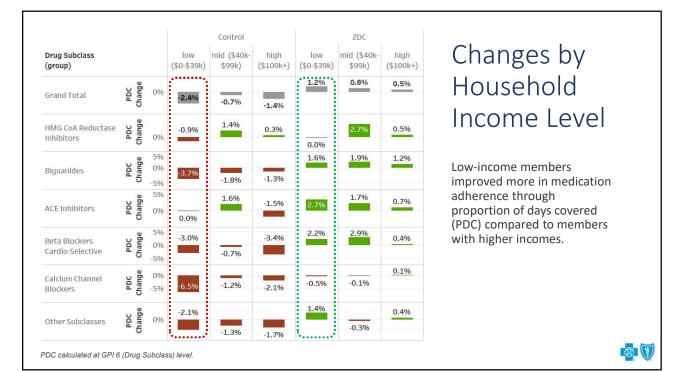


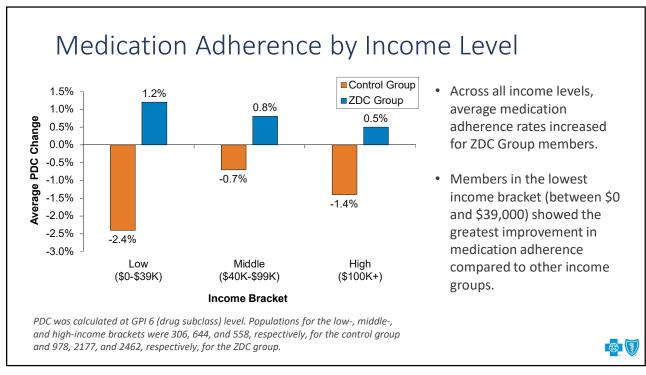
## Medication Adherence Rates

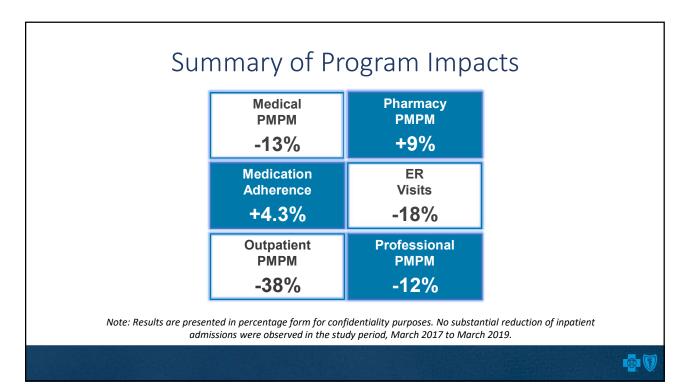
- Adherence rates in the ZDC group increased for most drug classes compared to the control group. The largest DIDs were for diuretics (8.4%), anti-diabetics (6.2%), and calcium channel blockers (6.1%).
- Adherence Rate =  $\frac{Members with Proportion of Days Covered (PDC) \ge 80\%}{2}$

Autorence Auto -	All Members						
Drug Group	Control Group			ZDC Group			DID
	Baseline	Evaluation	Change	Baseline	Evaluation	Change	DID
Diuretics	73%	66%	-7.7%	71%	72%	0.8%	8.4%
Antidiabetics	71%	66%	-4.4%	70%	71%	1.8%	6.2%
Calcium Channel Blockers	80%	75%	-5.6%	80%	81%	0.5%	6.1%
Beta Blockers	76%	73%	-3.2%	77%	79%	2.2%	5.4%
Antidepressants	74%	70%	-4.1%	76%	76%	0.3%	4.4%
Antiasthmatic and Bronchodilator Agents	32%	30%	-2.7%	29%	30%	1.6%	4.3%
Antihypertensives	78%	77%	-0.8%	78%	79%	1.8%	2.6%
Antihyperlipidemics	74%	75%	0.8%	75%	77%	2.1%	1.3%
Hematological Agents - Misc.	80%	76%	-3.7%	82%	79%	-3.7%	0.0%

Drug groups excluded due to small sample size: antianginal agents, antiarrhythmics, anticoagulants, psychotherapeutic and miscellaneous neurological agents



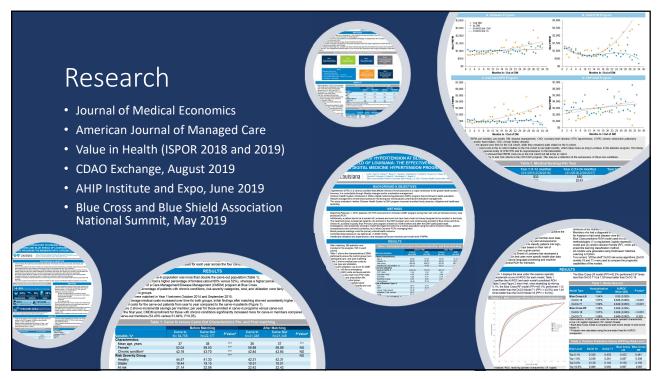




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## Conclusions

- The success of the ZDC program is a great example of **how real-world analytics** evidence helps guide better decision-making.
- The program **improved medication adherence in most drug groups**. Members with **lower socioeconomic status** primarily drove this effect.
- The program also reduced medical expenditures through decreasing ED visits and outpatient utilization, which demonstrates how effectively population health-management techniques can lower the disease burden of members with chronic conditions.





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