



Improved Clinical Outcomes and Reduced Costs Associated With Mail-to-Prescriber Duplicate Therapy Deprescribing Interventions



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52.74 +/- 13.15

BACKGROUND

- Deprescribing duplicate therapy can help control plan and member costs, improve member health outcomes, and reduce high-risk claims.
- Pharmacy benefits managers (PBM) can play a significant role in reducing medication duplication through interventions targeting deprescribing efforts.¹
- Retrospective drug utilization reviews (RDUR) can assist in identifying opportunities, and RDUR prescriber outreach can be effective.¹
- Many deprescribing interventions are to address prescribing errors. In one study where outpatient prescriptions were audited at random, most prescribing errors were associated with duplicate therapy issues (43.3%).²
- Prescribing errors could be from the medication ordering process, prior medications not discontinued, or gaps in care coordination.³
- In one study, most duplicate therapy medication errors were orders for the same medication, dose and frequency (43%), followed by orders for medications within the same therapeutic class (32%).3
- Prescriber outreach by a PBM has been shown to be successful and to positively impact future prescribing habits.¹
- In another study, prescribers were contacted by fax for medication therapy management (MTM) recommendations where the overall prescriber acceptance rates were 47.2%, and cost savings acceptance rates were significantly higher than other safety interventions at 58.3%.⁴
- At Navitus Health Solutions, LLC, there was a 74% overall reduction, following the intervention, for all duplicate therapy-identified members across all lines of business in 2023.5

OBJECTIVES

- Evaluate the effectiveness of mail-toprescriber interventions to facilitate deprescribing of duplicate therapy.
- Assess the health plan cost savings and member co-pay savings associated with intervention.
- Assess the decrease in the number of prescribers identified and the percentage of prescription overlap.

METHODS

STUDY POPULATION

- Active members from 6 commercial health plans that had paid claims for duplicate therapy for at least 3 out of 4 months (75%) of the pre-intervention period were included (Figure 1).
- There were no age or quantity limit restrictions.

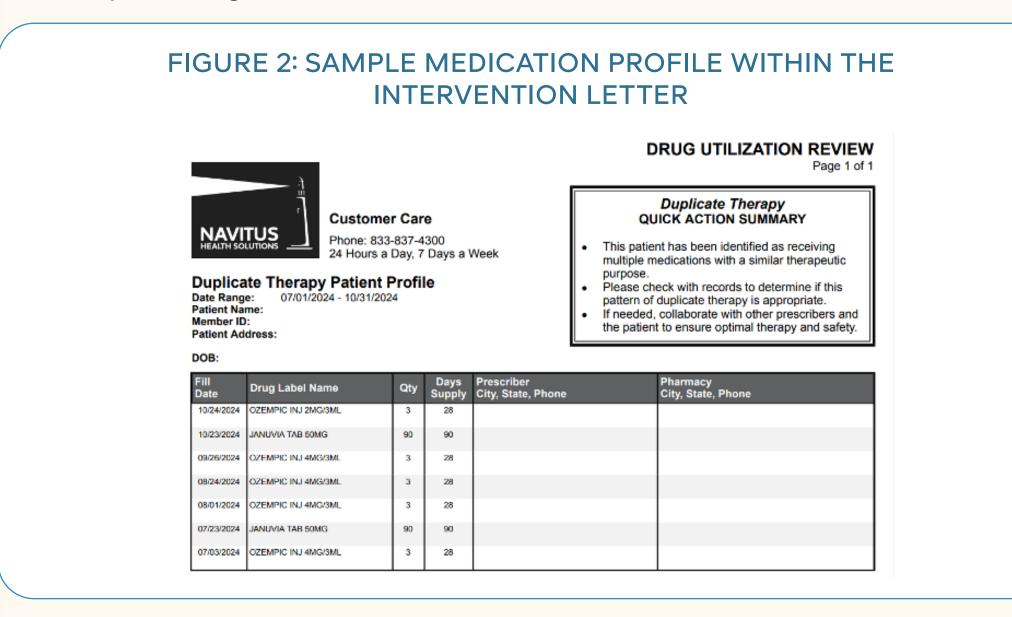
DESIGN

This PBM-led retrospective study analyzed pre and post-intervention claims data from November 2022 to February 2024.



INTERVENTION

- Three interventions took place over the 16-month study period where letters were mailed to prescribers on March 27, 2023, July 31, 2023, and November 30, 2023.
- The mail-to-prescriber letters contained a list of paid claims for the target drugs, prescribers' names and contact information, and a summary of safety risks (Figure 2).



OUTCOMES

 Member claims data from the 4 months following the intervention (post-intervention) were analyzed and compared to pre-intervention data to determine relative cost savings and if deprescribing had occurred.

PRIMARY ENDPOINTS

- Analyzed relative cost savings between the health plan paid amount pre-versus-post intervention.
- Analyzed relative cost savings between the member copay amount pre-versus-post intervention.

SECONDARY ENDPOINTS

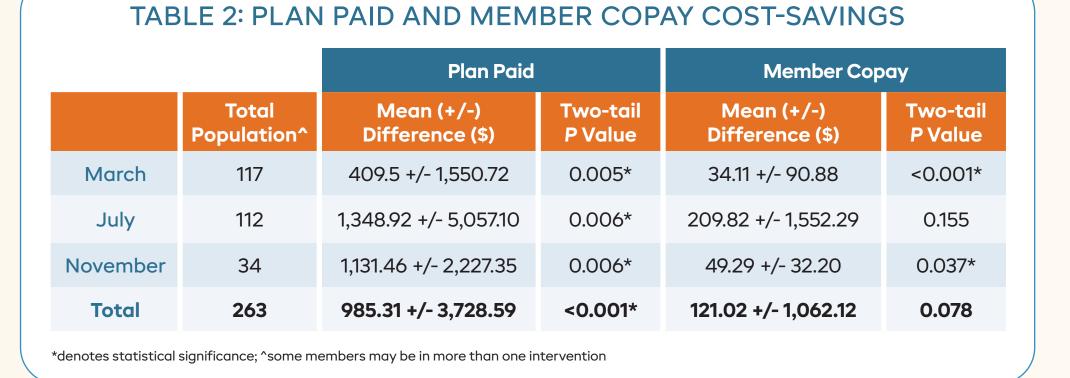
- Calculated the differences between the number of prescribers identified and the overlap percentage of duplicate therapy medication pre-versus post-intervention.
- Analyzed relative cost savings for health plan paid amount for specific duplicate therapy classes, GLP1-RA/DPP-4i and SSRI/SNRI.

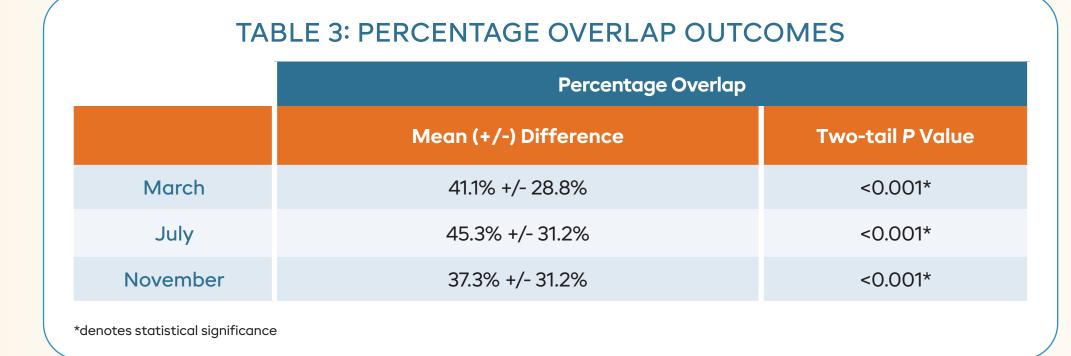
STATISTICAL ANALYSIS

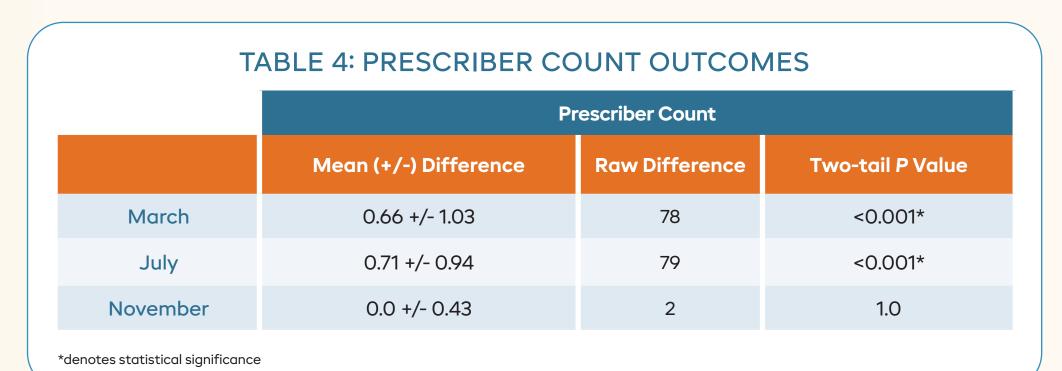
Statistical significance was determined through paired T-tests.

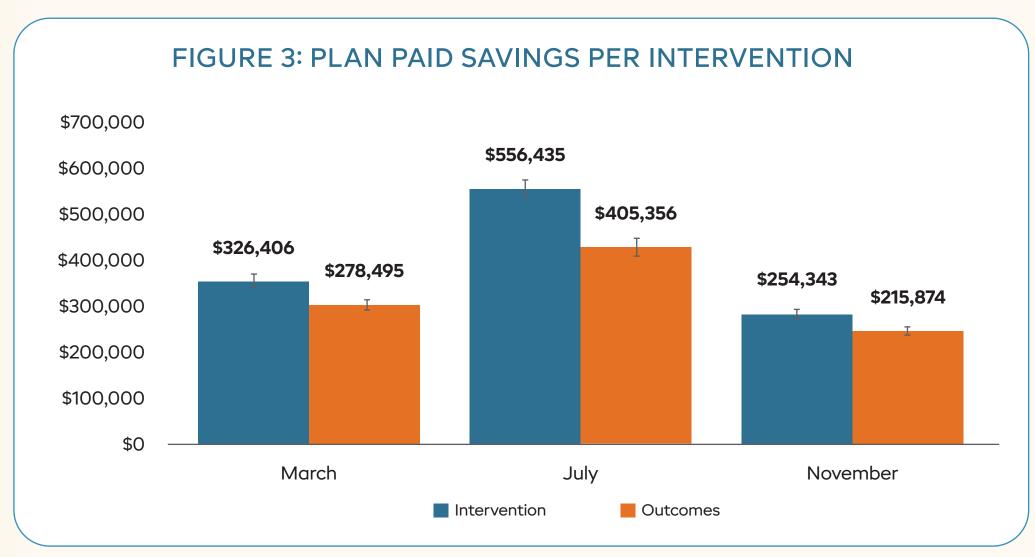
TABLE 1: BASELINE DEMOGRAPHICS Duplicate Therapy Type Unique Members 241 GLP1-RA/DPP4i 114 SSRI/SNRI 56 Other 71 Gender Unique Members Female 110 (45.6%) Male

Mean Age, years



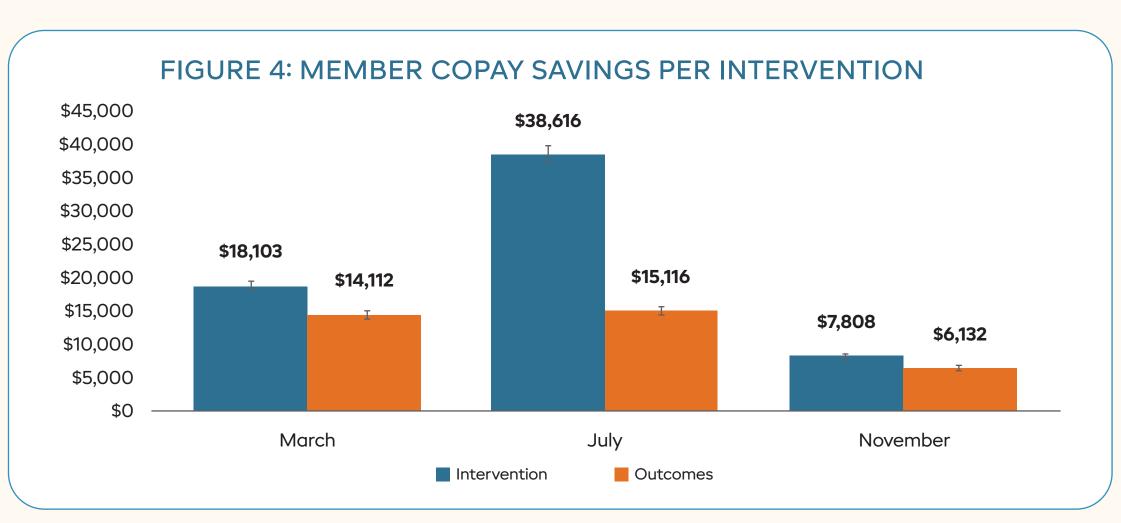




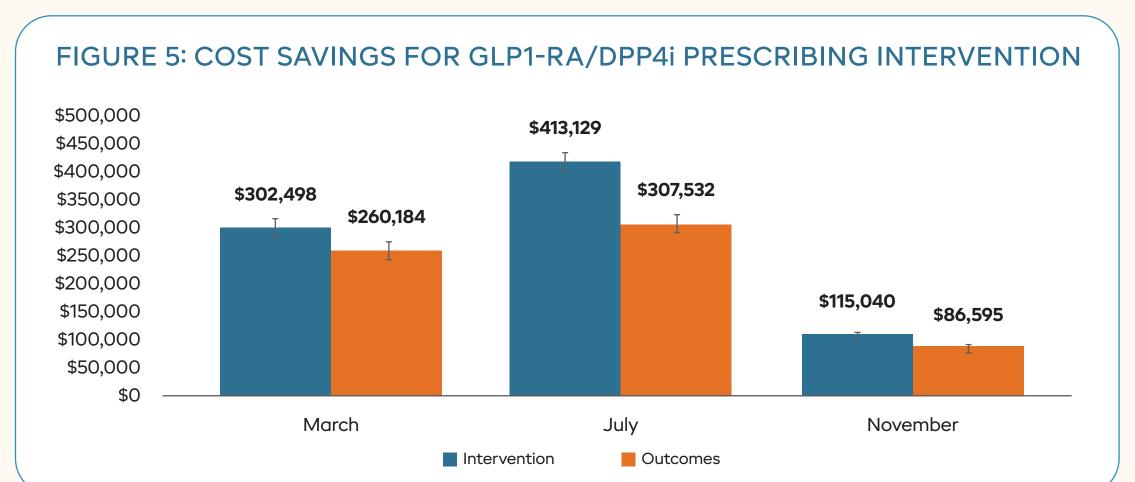


The mean plan paid differences between March intervention (P = 0.005), July intervention (P = 0.006), and November intervention (P = 0.006) were all significant.

RESULTS

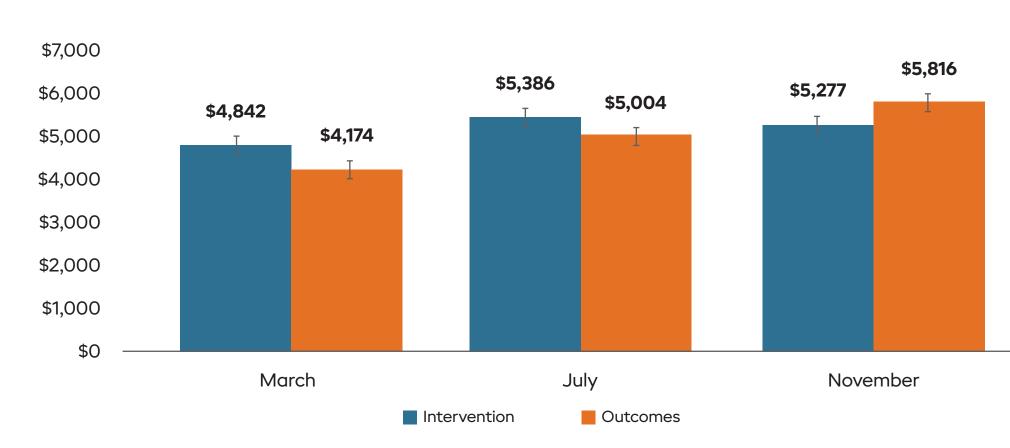


 The mean member copay differences between March intervention (P < 0.001) and November intervention (P = 0.037) was significant.



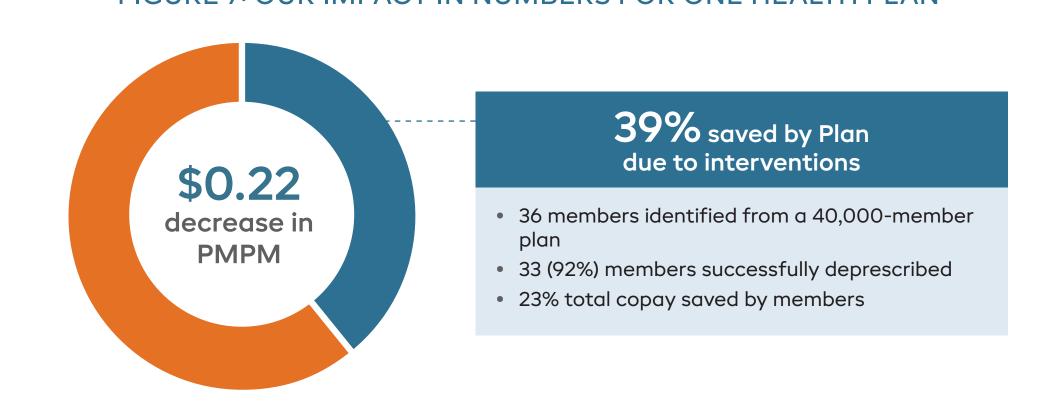
- Overall, plan paid amount decreased by 21% for DPP4i and GLP1RA duplicate therapy.
- The mean plan paid differences between March intervention (P = 0.012), July intervention (P < 0.001), and November intervention (P = 0.003) were all significant.

FIGURE 6: COST SAVINGS FOR SSRI/SNRI DEPRESCRIBING INTERVENTION



- Overall, the plan paid amount decreased by 3% for SSRI and SNRI duplicate therapy.
- The mean plan paid differences between March intervention (P = 0.026) and July intervention (P = 0.005) were significant.

FIGURE 7: OUR IMPACT IN NUMBERS FOR ONE HEALTH PLAN



LIMITATIONS This study included 6 commercial plan

- This study included 6 commercial plans, limiting applicability to other lines of business.
- Information on duplicate therapy and member spending was not reported if the medication was paid for out-of-pocket.
- A larger study population would be beneficial for further analysis.

88%

members were successfully

deprescribed duplicate

therapy following

intervention

21%

decrease in plan paid

amount following

intervention

0|0

45%

decrease in member

copay amount following

intervention

33%

decrease in number of

prescribers following

intervention

41%

decrease in percent overlap

of duplicate therapy

following intervention

CONCLUSIONS

- These findings indicate that the mail-toprescriber duplicate therapy deprescribing intervention significantly reduced the number of medications, prescribers, prescription overlap, and costs.
- This mail-to-prescriber intervention may be effective at reducing duplicate therapy among other classes of medications and result in significant cost savings for the plan and member.
- Overall, there is a clinical and financial benefit to implementing a mail-to-prescriber RDUR duplicate therapy deprescribing program.

DISCLOSURE

This research was conducted by Navitus Health Solutions, Madison, WI without external funding.

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