

A Virtual Peritoneal Dialysis Clinic Pilot to Advance Patient Care

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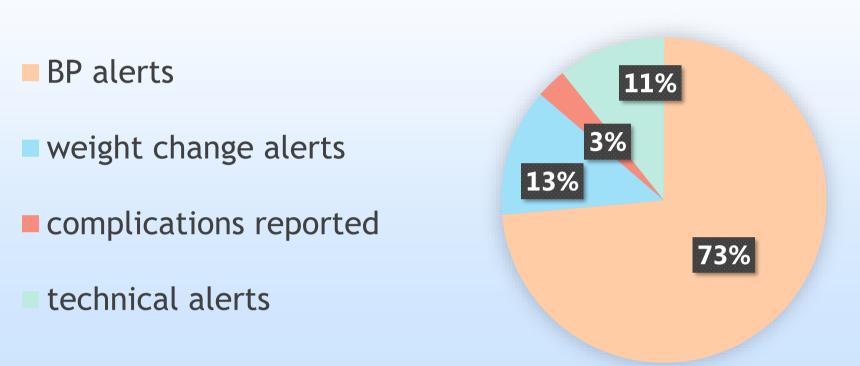
Background

- Peritoneal dialysis (PD) offers a home-based alternative to hemodialysis, currently utilized by approximately 8% of dialysis patients in Israel
- PD allows for daily treatment, potentially preserving residual renal function and offering greater lifestyle flexibility
- However, between monthly follow-up visits, PD staff have no information about patient status, including adequacy of dialysis and complication risk
- This pilot study evaluated a virtual clinic model to enhance PD care and patient outcomes

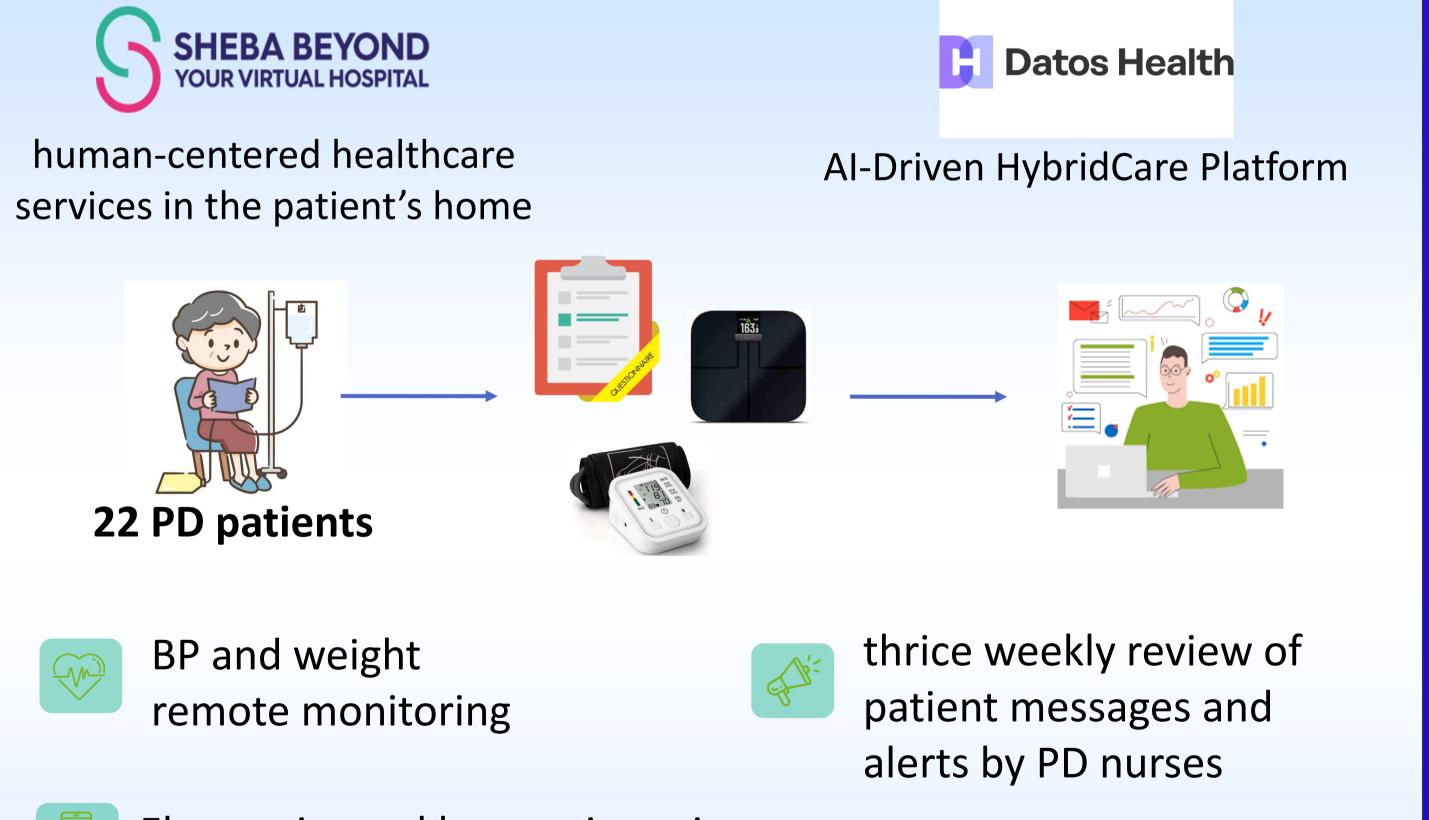
Results Virtual PD clinic in numbers

# of patients enrolled	22
length of pilot (days)- average (range)	223 (7-415)
# of questionnaires sent - average (range)	31 (7-60)
# of questionnaires answered- average (range)	16.3 (1-60)
percent of answered questionnaires	51%
# of patient alerts sent to PD staff	5106

Questionnaire alert type (%)



Methods



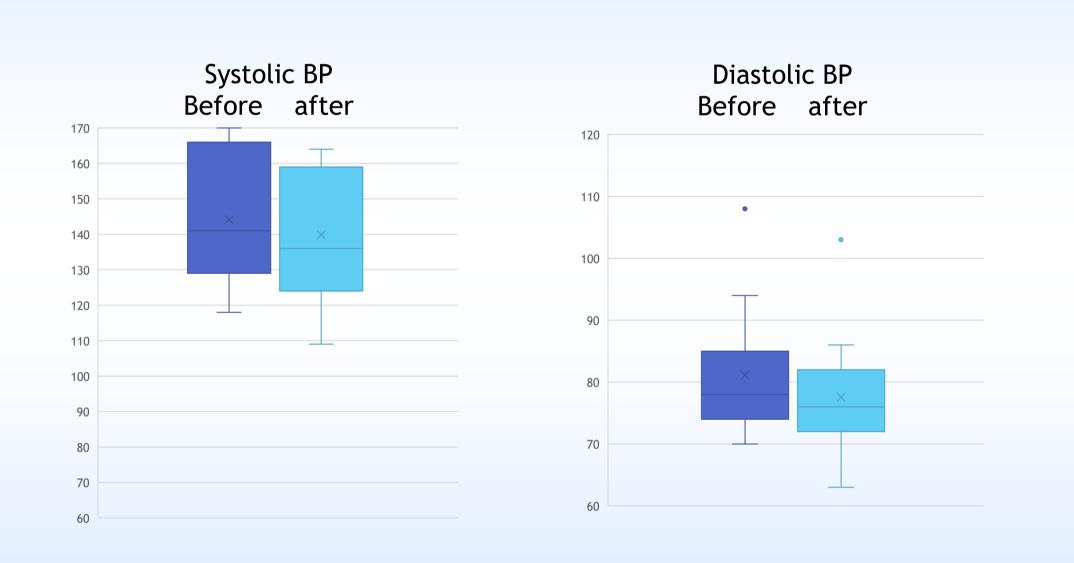
Electronic weekly questionnaire and monthly PROMS

sending notifications, reminders and training videos 1-2 days response time by case manager or nephrologist

Interface to EMR

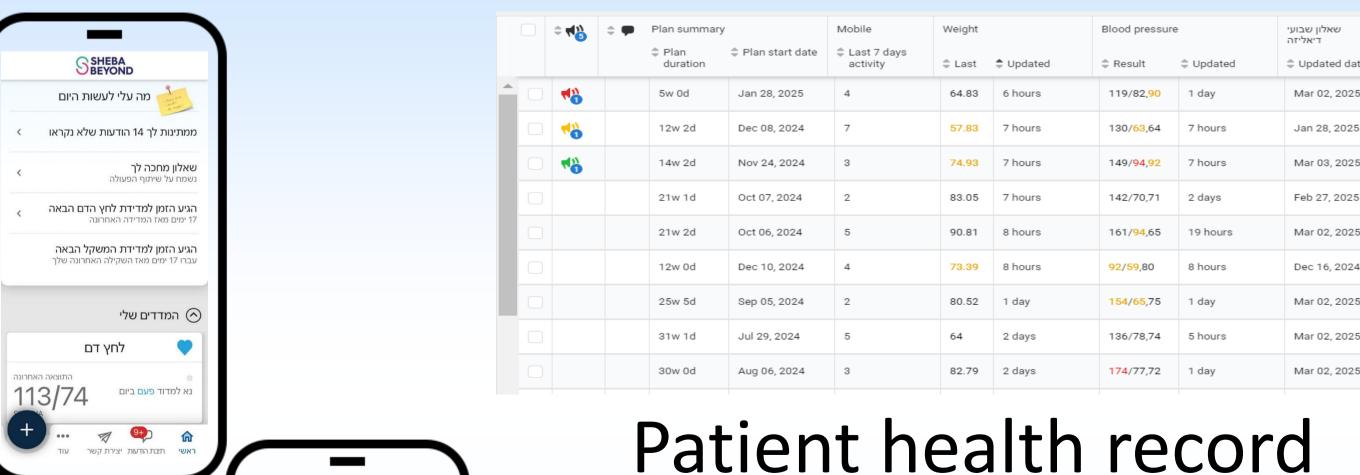
Preliminary outcomes

A trend towards lower blood pressure (small sample size) before vs after entering the program Weight was stable



Average weight before vs after entering the program-79.69 Kg and 79.63 Kg, respectively

Patient's app PD staff dashboard



Patient health record

Conclusions

- This virtual clinic pilot demonstrates the feasibility and operational effectiveness of a remote monitoring and communication system for PD patients
- The model aims to enhance PD care by facilitating early detection of complications, improving patient safety and satisfaction, reducing hospital visits, and providing continuous support and medical advice
- Ongoing data collection and patient feedback will further optimize the system and inform its broader implementation