

Nx2me[™] Connected Health

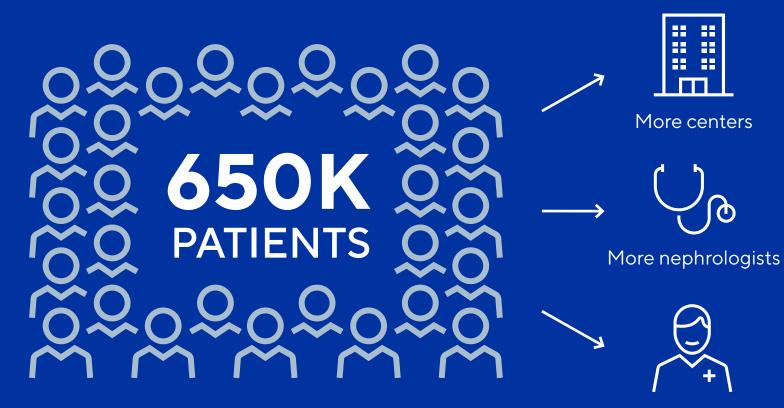
Connects clinicians with their home hemodialysis patients, enabling timely exchange of health information and improving the patient experience





Dialysis population growth is expected to challenge the system

2025 Dialysis Outlook¹⁻³



More staff

References: Data sources for calculation: 1. McCullough KP, Morgenstern H, Saran R, Herman WH, Robinson BM. Projecting ESRD Incidence and Prevalence in the United States through 2030. J Am Soc Nephrol. 2019;30(1):127-135. 2. Census Bureau 2017 National Population Projections Dataset-1. 3. USRDS 2019 Reference Table D.6: Counts of point prevalent ESRD



The Advancing American Kidney Health Executive Order



• Calls for 50% of dialysis patients to be dialyzing at home by 2025^{1,2}

50% HOME BY 2025

References: 1. Rosenberg ME, Ibrahim T. Winning the War on Kidney Disease, Perspective from the American Society of Nephrology. CJASN 14: 1792-1794, 2019. 2. USRDS historically reports that 30% of ESRD patients have a functioning graft. Facilities and managing clinicians will need 50% of patients using home dialysis in order to achieve a goal of 80% home dialysis and transplant patients by 2025.





Connected Health can play a key role in reaching 50% by 2025









Data captured from patients is available to clinicians and NxStage Technical Support



Nx2me works over a Wi-Fi network established at the patient's home. If a patient doesn't have Internet service, a cell data plan may be available. All patient information is encrypted and transmitted using secure Internet protocols.







Nx2me App

With easy-to-use navigation and large display, Nx2me is designed to give patients more confidence in their ability to perform treatments at home.

Nx2me helps to eliminate tasks performed by the patient (such as filling out flowsheets manually) or making tasks easier or less time-consuming (such as logging blood pressure or weight.)

Data collected in the Nx2me app can include:

- Treatment information directly from the NxStage HHD cycler*
- Patient weight, blood pressure, and temperature can be captured via Bluetooth-compatible devices.
- Medications taken
- Notes and health assessments

*The Nx2me app does not control the NxStage HHD cycler.

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Nx2me Clinician Portal

Once a patient finishes a treatment, data recorded in the Nx2me app is transmitted directly to the Nx2me Clinician Portal, where it can be reviewed by clinicians. Treatment records are accessible 24/7.

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Virtual Sessions & Picture Sharing

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Virtual Sessions

- Streaming video and cycler data allows for faster and more effective support by NxStage Technical Support and nurses.
- View patient's current rates, volume, pressures, and cycler status – as well as Treatment Cycler Values (such as Alarms) from prior to the Virtual Session.

Picture Sharing



• May enhance communication with clinician



Nurse Virtual Session View

Virtual Session



Patient View







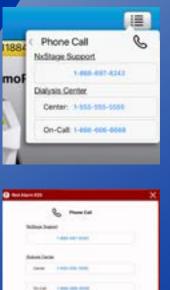
Nx2me App Phone Calls



Patients can call NxStage Technical Support or their Dialysis Center directly from Nx2me with a Wi-Fi Internet connection

- Accessible to patients directly within the Alarm Troubleshooting window
- Available at any time from the Nx2me App Menu
- Reduces patient burden in needing a secondary phone device to call for support during treatment
- Virtual Sessions can easily be added to a Phone Call by NxStage Technical Support or a Nurse
- Dialysis Center phone numbers are configurable within Nx2me App Settings in the Clinician Portal



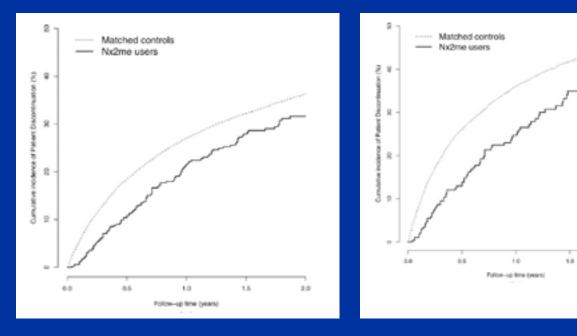








Nx2me delivers quantifiable benefits such as enhanced therapy retention¹



All Study Patients

New HHD Patients

2.2

29%

Lower therapy discontinuation rate (excluding death and transplant)¹

Source: 1. Weinhandl ED, et al. Hemodial Int. 2018 Jul;22(3):318-327. doi: 10.1111/hdi.12621.







Potential Key Benefits

1. Adherence

Clinicians may monitor and support treatment adherence.

2. Early Intervention

Clinicians may identify health problems before unscheduled care is needed (blood, arterial, or venous pressures running too high).

3. Alerts

Notifications (to patients and nurses) when key clinical parameters deviate from preestablished norms may help support patient case management.

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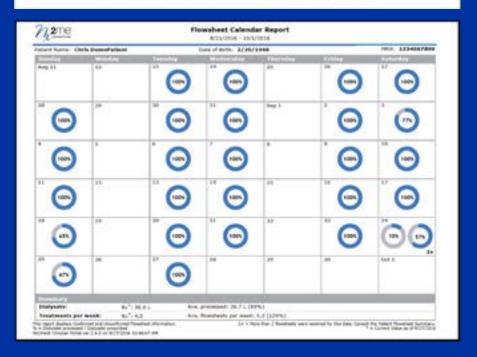






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Nx2me Reports

Flowsheet Summary & Flowsheet Calendar Report

These reports help clinicians better monitor patient adherence and health status to determine if timely intervention is needed.







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Adapting to Patients' Unique Needs

Patients receive alerts in the Nx2me App when their prescription has been updated. Additional alerts for vitals, such as blood pressure, can also be configured to let patients know when they exceed limits set by their clinician.





Clinician Productivity & Efficiency

Billing and Nurse Productivity

Nx2me Connected Health is designed to reduce the effort of collecting flowsheets and allows for more proactive care.

Nx2me helps clinicians better monitor:

- Automatic capture of NxStage HHD
 cycler data
- Timely access to records
- Electronic flowsheets
- Ability to interface with EMR and billing systems

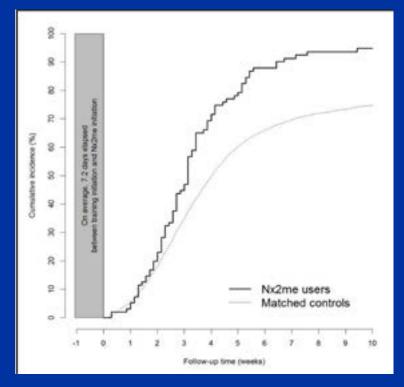
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Higher cumulative incidence of HHD training graduation and shorter training time¹



Note: In patients who initiated use of Nx2me during the first 2 weeks of HHD training and their matched controls.

Source: 1. Weinhandl ED, et al. Hemodial Int. 2018 Jul;22(2):318-327. doi: 10.111/hdi. 12621.



Improvement in training graduation rates¹



Reduction in median training time¹









Electronic Flowsheets

The Nx2me flowsheet eliminates the burden of completing paper flowsheets, and reduces the potential for errors and non-adherence.







Large Cycler Treatment Display with Treatment Parameters

The cycler treatment display shows treatment readings and parameters, such as arterial and venous pressure, enabling patients to respond promptly to undesirable readings.

Patient alerts are displayed when certain vitals fall outside the parameters set for their treatments. For example, if a patient's blood pressure is beyond the established range, a pop-up will instruct them to their center for further instructions.









Alarms and Cautions

The Nx2me app communicates with the NxStage HHD cycler for immediate troubleshooting of cautions and alarms. In the case of an alarm, the app will alert patients with a pop-up notification and provide step-by-step troubleshooting instructions.



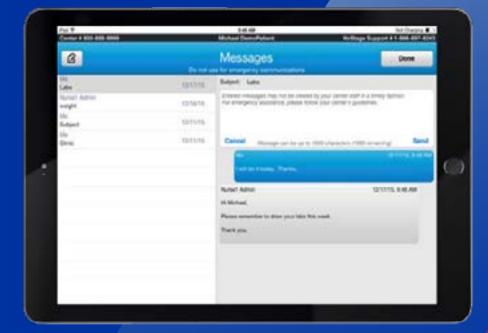






Other Nx2me Capabilities for Patients

- Notes and Medications
- Messaging
- Pop-Up Reminders
- Electronic Copy of User Guide









Nx2me stimulates conversations between patients and their care teams that can allow for better patient assessment¹



Conversation may **identify care partner burnout** early



Strengthens patient & staff communication



Communication may assist in identifying Solo patient candidates

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Allows for easier reporting of dates and times medications were taken



Encourages **two-way communication** between patient & staff

Source: 1. Koester, Lisa. Webinar. Connected Health: Clinical Findings & Intervention Strategies for Home Dialysis Patient Success. November 2019.







Risks and Responsibilities

Patients should review the following information carefully and discuss it with their doctors to decide whether home hemodialysis with NxStage systems is right for them.

Users should weigh the risks and benefits of performing home hemodialysis with NxStage systems.

Medical staff will not be present to respond to health emergencies that might happen during home treatments.

Users and their care partners will be responsible for all aspects of their hemodialysis treatments from start to finish.

Users may not experience the reported benefits of home, more frequent, or nocturnal hemodialysis with the NxStage systems.

The NxStage systems require a prescription for use.

Certain forms of home hemodialysis have additional risks.

If a doctor prescribes more frequent home hemodialysis, vascular access is exposed to more frequent use, which may lead to access-related complications, including infection of the site. Doctors should evaluate the medical necessity of more frequent treatments and discuss the risks and benefits of more frequent therapy with users.

If a doctor prescribes "solo/independent" home hemodialysis without a care partner during waking hours, risks of significant injury or death increase because no one is present to help users respond to health emergencies. If users experience needles coming out, blood loss, or very low blood pressure during solo home hemodialysis, they may lose consciousness or become physically unable to correct the health emergency. Users will need additional ancillary devices and training to perform solo home hemodialysis.

If a doctor prescribes "nocturnal" home hemodialysis at night while the user and a care partner are sleeping, risks increase due to the length of treatment time and because therapy is performed while users and their care partners are sleeping. These risks include, among other things, blood access disconnects and blood loss during sleep, blood clotting due to slower blood flow or increased treatment time or both, and delayed response to alarms when waking from sleep.

For more information on Nx2me, contact your area representative or NxStage at **1-866-697-8243**



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