Nemours.

Center for Health Delivery Innovation

A System Wide Approach to Telemedicine and Innovation



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Nemours at a Glance

Nemours.org

- Enduring legacy of Alfred I. duPont
- Patient care by the numbers:

410,000	Patients/1.3 million annual encounters
3,800	Trainees annually
1,600	Residents, fellows & students
724	Employed physicians
228	Researchers
60	Pediatric care locations in five states
42	Specialties and subspecialties
40	Employed hospitalists
19	Collaborating hospitals



Wilmington, Delaware



Orlando, Florida



Who Is Our Consumer?

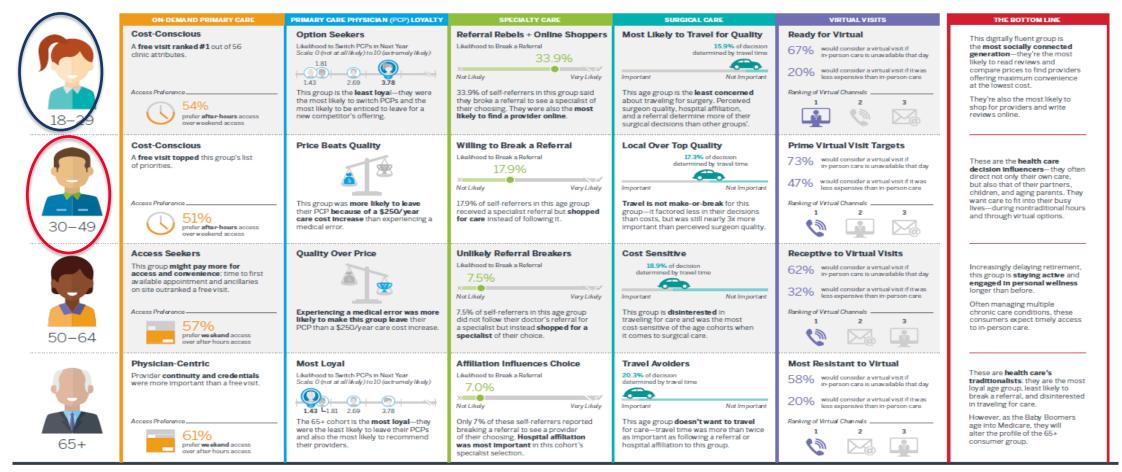
How Consumers'

Health Care Preferences

Vary by Age

Millennials, Gen X, Baby Boomers, the Silent Generation—you know they all consume care differently, but what exactly do each of these groups want? And how can you become their provider of choice?

We surveyed thousands of consumers across the United States to better understand their care expectations and found that **some of the most significant variations fell across age groups**. Here, we've segmented each of our five consumer choice surveys by age to help you tailor your messages and target your investments to different generations across the care continuum.



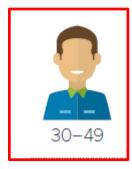




How Do They Consume Healthcare?



- Digitally-fluent, most socially-connected generation
- Most likely to read reviews and compare prices to find providers who offer most convenience at lowest cost
- Least loyal to PCP easiest to entice to switch to competitor's offer
- Referral Rebels 34% likely to break referral: most likely to shop for specialty providers and write online reviews
- Least concerned about traveling for surgery
- Ready for telehealth: 67% would consider if in-person care is unavailable 20% would consider if less expensive than in-person care



- Want on-demand PC during non-traditional hours + virtual options
- Price beats quality most likely to leave PCP for price increase v. medical error
- Referral Shoppers 18% likely to break referral, but still shopped for specialty care options
- Local over Top Quality travel not a deal-breaker but travel time 3x more important than perceived surgeon quality
- Most ready for telehealth: 73% would consider if in-person care is unavailable
 47% would consider if less expensive than in-person care



Millennial Parent Decision Making



- >9,000 babies born to them daily
- Use online research and peer recommendations via social media to select providers
- Value quality, respect and environment of care over cost
- Choose hospitals based on internet searches first, then provider validation

Source: NRC Health Millennial Parents



Nemours.

Anytime, Anywhere

Our aim is to expand a more accessible continuum of care within our communities in order to be a more proactive partner in guiding and empowering parents throughout their children's development.

Center for Health Delivery Innovation

Unique Nemours ecosystem of digital assets

Nemours KidsHealth

 Nemours Prevention & Population Health

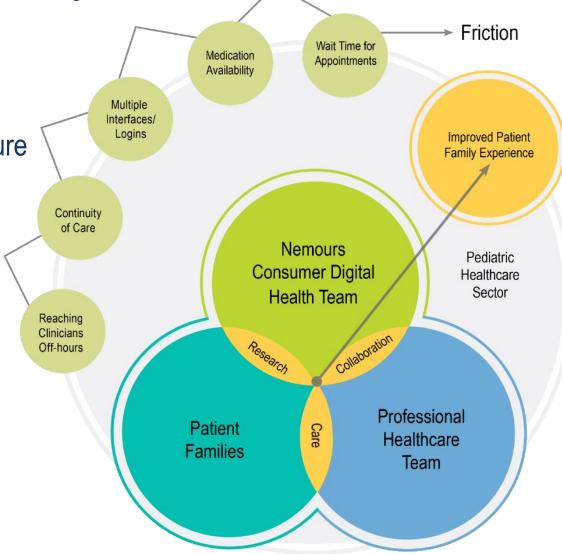
• HIMSS Stage 7 infrastructure

Telehealth

Is Your Preschooler
On Track To Be
A Good Reader?

TAKE THE FREE
READING SCREENER NOW

Nemours, Reading BrightStart!





@ Nemours

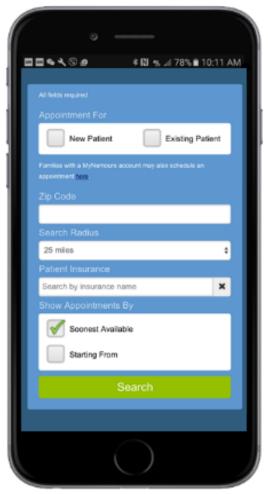
- 260 million+ visits annually to KidsHealth.org
- # 1 licensor of pediatric health education – 200+ hospitals and health systems

Smart Patient Portal

Digital backbone

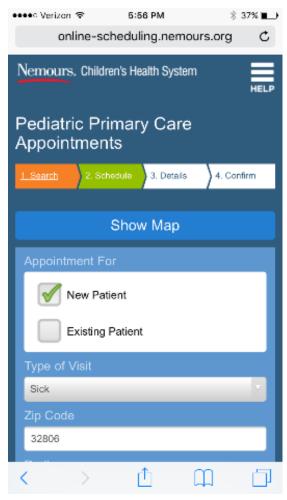
- Building on MyNemours
- Online scheduling
- Telehealth (Nemours CareConnect)
- Connected devices & apps
- Fully-integrated KidsHealth content



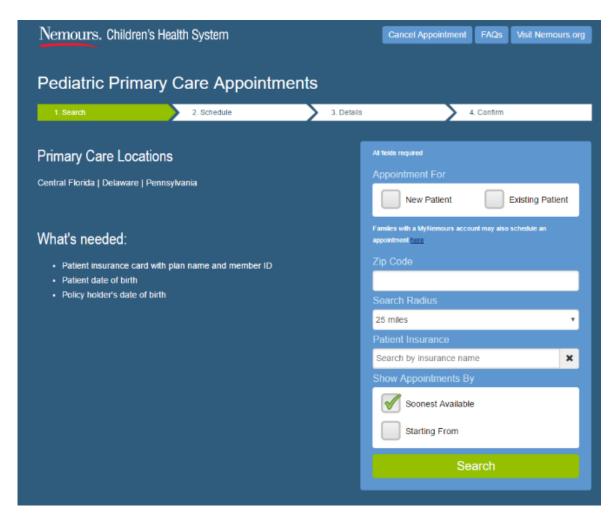




Nemours Online Appointment Scheduling



Mobile View



Desktop View

Nemours Telemedicine



Comprehensive Telehealth Program

- Specialty Care –
 over 500 providers &
 25+ specialties
- Provided to:
 - Partner Hospitals
 - Primary & Specialty Care
 - Home
 - Schools
 - Cruise Ships







24/7 On-demand Children's Care

- Average wait time under 5 minutes
- Board-certified Nemours employed Pediatricians
- 6 States (FL,MD,DE,PA,GA,NJ)
- Records sent to Patient + PCP
- Participation on the AmWell Exchange
- Platform rating of 4 or 5 stars = 93%
- Provider rating of 4 or 5 stars = 97%
- Diverted 25% ER Visits and 34% UC Visits







Deploying new Digital Tools in the home

- Enhance diagnosing capabilities at the point of care via telemedicine
- Provide tools designed with families and clinicians that will lead to better management of chronic conditions
- Challenges still remain with integration to apps and EHR's













Nemours in the Community

Reaching children where they are

- NemoursLink (access to Nemours' EHR by school nurses and referring physicians)
- Nemours CareConnect (telehealth in schools)
- Nemours BrightStart!
- KidsHealth in the Classroom











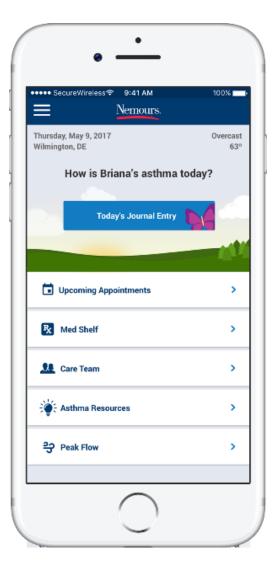
Nemours App – Tying it All Together



MyNemours

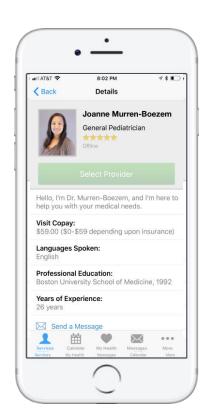


Nemours





KidsHealth



CareConnect



Nemours, Anytime, Anywhere.

Re-imaging how patient families experience Nemours digitally.

First Condition: Asthma

- Provide tools designed with families and clinicians that will lead to better control of childhood Asthma.
- Provide clinicians a view into how their patients experience their condition in between visits.





Example: High-Risk Cardiac

Specifically Single Ventricle Diseases

Problem:

➤ National interstage mortality ≈ 12% - 15%*

Solution:

- > Enhanced surveillance
- Early identification of deterioration

Home Monitoring

- Provide tools designed with families and clinicians that will lead to better outcomes.
- Provide clinicians a view into how their patients are doing in between visits.
- Ability to connect via Telemedicine

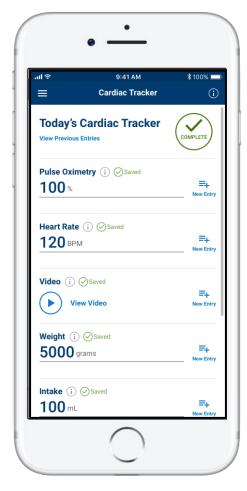
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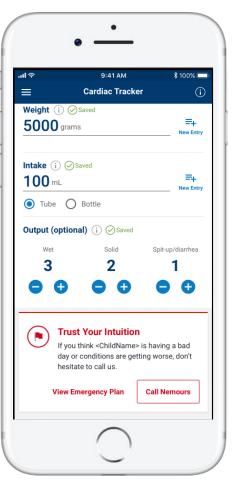
Single-ventricle infant home monitoring programs; outcomes and impact — David A. Hehir and Nancy S. Ghanayem 2013 Wolters Kluwer Health



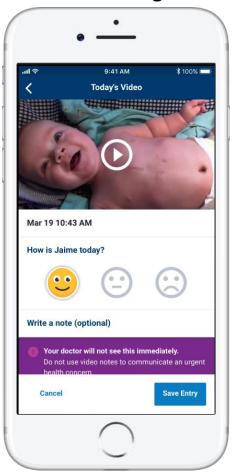
Nemours Cardiac Tracker

Cardiac Tracker





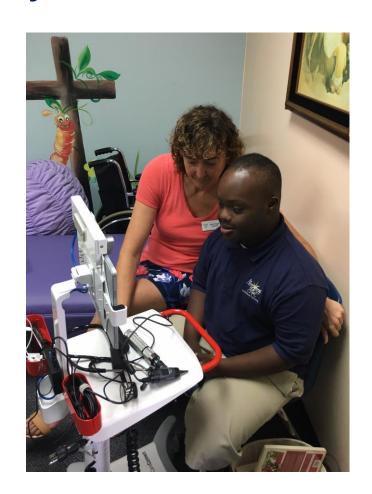
Video Log





What has been critical to our journey?

- Restructured to develop a dedicated team focused on the consumer digital journey
- Created a consumer digital insights group understanding our customer and our markets
- Utilized design thinking and agile methodologies
- Defined the problem and driver for each use case
- Measure the impact PDCA





Integration with Front Lines Is Critical

- Find your clinical champions
- Our approach physician led model – no mandates
- Understand their pain points what problems are they trying to solve
- Integrate into clinical workflows and then improve the process
- Data is your friend





Educate - Adoption by Patients/Families

- If they don't know about it they wont use it
- Do your research or lean on other research in the market
- Engage your marketing team early
- Engage your family advisory council
- Engage front-line staff they are your best ambassadors





Thank you! Questions?