



Engaging Technology: Increasing access and Improving Outcomes in the Pediatric Population

About Children's Health

- **Two full-service hospitals** (Dallas and Plano) dedicated exclusively to pediatric care
- More than **50 specialties and subspecialties**
- Multiple Children's Health **Specialty Centers**
- Outpatient **pediatric imaging** and **surgery centers**
- **Pediatric Group** primary care locations
- **Clinically integrated network** of more than 300 private pediatricians
- Full range of **community health offerings** including school-based **TeleHealth** and **faith-based** programs
- Children's Health **Home Care**
- Children's Health **Telemedicine**
- Children's **Research Institute** at UT Southwestern
- Population Health offerings including an HMO, ACO, MSO and the Health and Wellness Alliance for Children



Extending Care into Our Community

Large, Growing Market

- **1 of 9 children** in U.S. live in Texas

Significant Community Needs

- **29%** of Dallas County children **live in poverty**
- **2 of 3 children need financial assistance**
- **7 out of every 10** public school children in Dallas County eligible **for free and reduced-price meals**
- **18%** of Dallas County children are **uninsured**
- **Only 31%** of TX physicians accept new Medicaid patients (down from 42% in 2010)

We offer programs in:

- ✓ Asthma Management
- ✓ Weight Management
- ✓ Injury Prevention
- ✓ Behavioral Health
- ✓ The Health and Wellness Alliance
- ✓ \$65 million in direct charity care

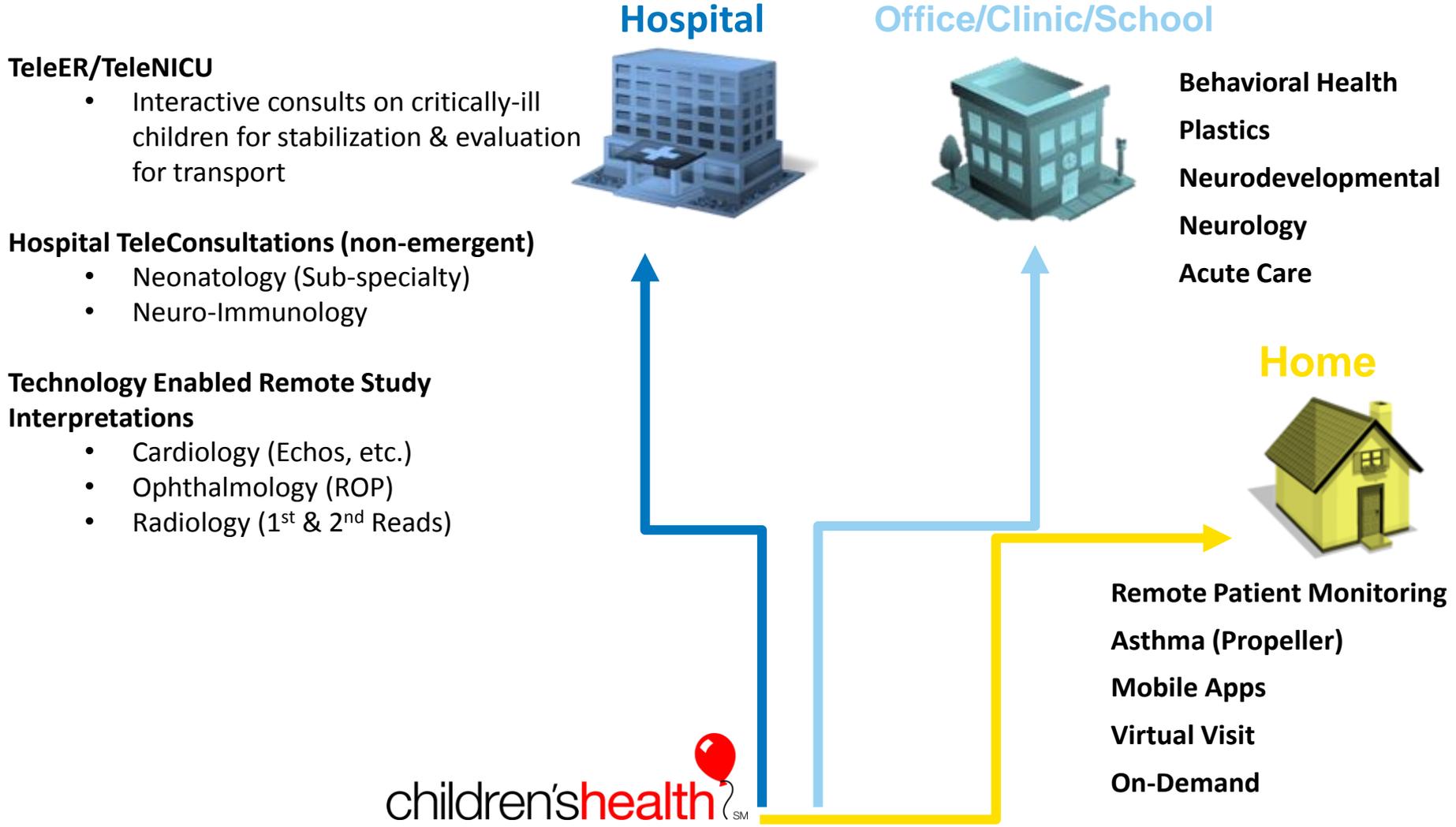


Significant Pediatric Medical Needs

- **50,000** children in N. Texas with asthma
- **36%** of Dallas County kids are overweight or obese
- **28%** of Dallas County children are **malnourished**
- **30%** of toddlers **not fully immunized**



Virtual Health Today @ Children's Health



TeleNICU

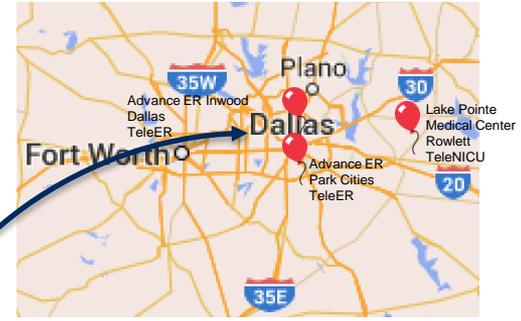
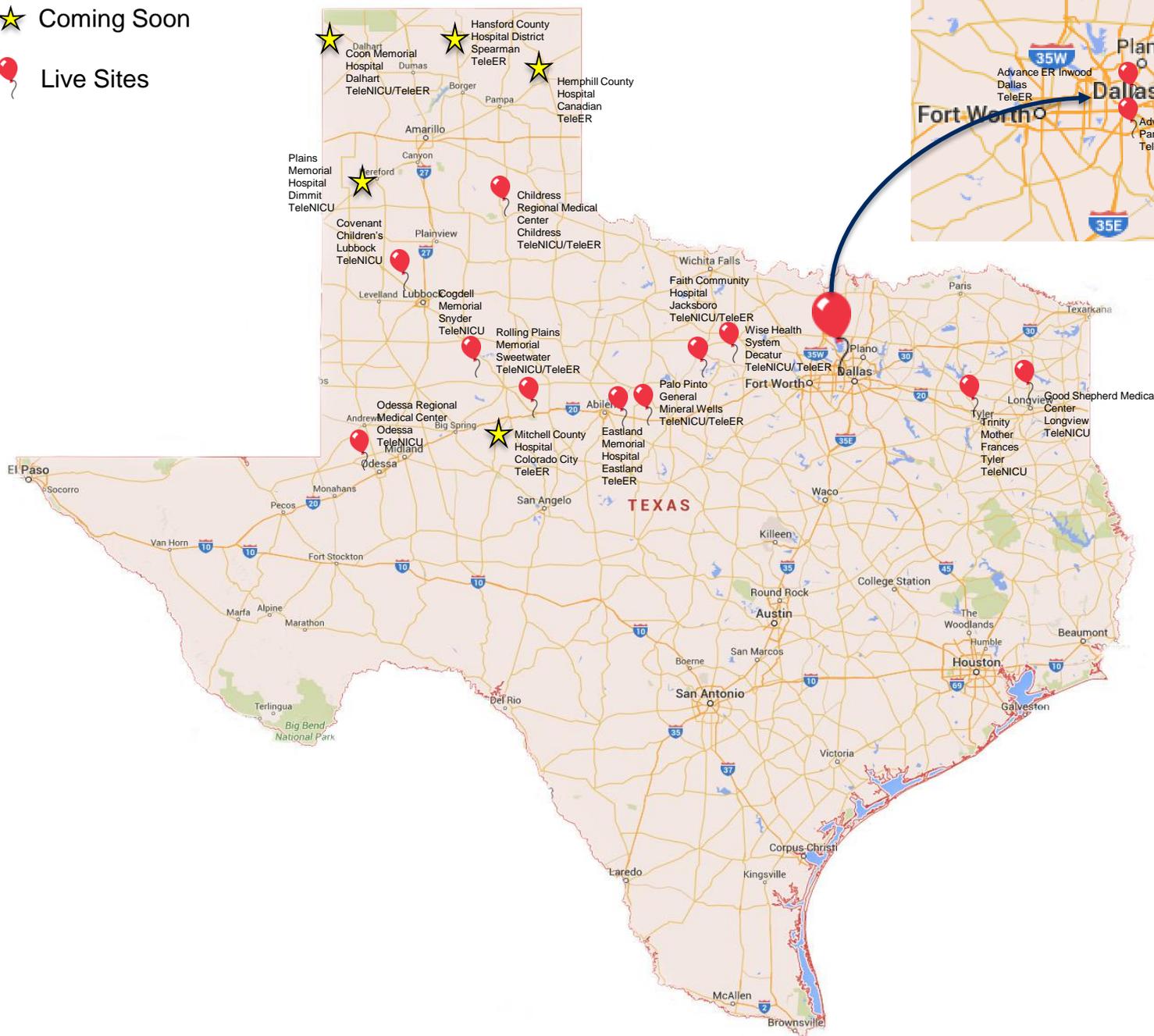
- In 2012, Children's Health designed the neonatal-specific telemedicine program – TeleNICU
- Implementation with the first partner began in September 2013. TeleNICU was designed to benefit key stakeholders
 - Families
 - Affiliates
 - Payers
 - Children's Health and UT Southwestern
- Expansion to ER in 2015.



Twenty-four hour access to Level IV NICU, expert UT Southwestern board-certified neonatologists and pediatric subspecialists to interpret medical data, confirm diagnoses and confer on treatment plans.

★ Coming Soon

🎈 Live Sites



Why School Telehealth?

- Trusted Partner
- Link between health and learning
- Access



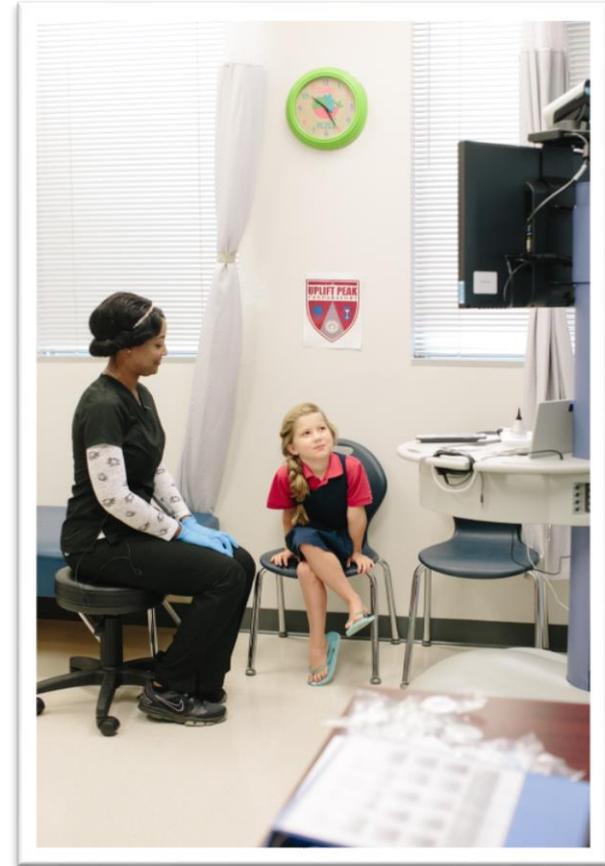
Where we started...

- Pilot
 - ESL pre-school
 - 2 sites
 - Lessons Learned



Where we are...

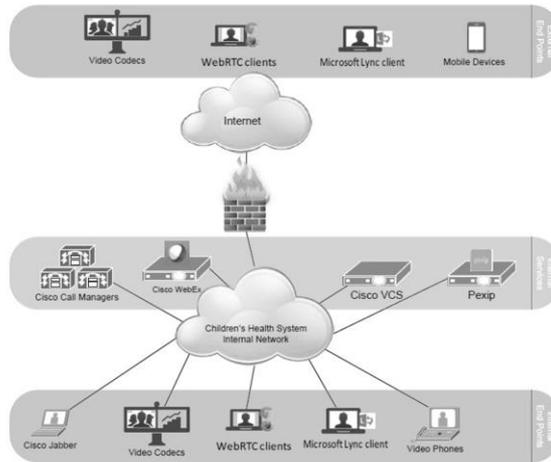
- Launched Fall 2014
 - 26 K-12 schools
 - Training/Education
 - Mocks
 - Technical Support
 - 1-844-Telemed
- 2015
 - 57 schools
 - Grades K-12
 - Rural, Urban, Charter and ISD's
- 2016
 - 97 schools



Where we are going...

- NAIP Opportunity – Expansion of network, infrastructure and training to 100 additional schools across Texas.
- Behavioral Health pilot this Fall.
- Model for health systems nationally.

Technology



- Telemedicine carts are located at each school
- Each unit is networked to CHST and all data is encrypted
- Carts include stethoscope, general exam camera and otoscope



Operations

- Training and Compliance of Telehealth Presenters
 - Telemedicine
 - Workflow
 - Labs
 - Follow-up
- Consents from families
- One number for scheduling visits/technical issues
- All students enrolled in school telehealth are registered in the EMR

How to make school telemedicine visits successful!

- School Engagement / Buy In
- Nurse Readiness
- Access/Outcomes



Highlights

- Over 4000 visits have been completed through telemedicine.
- Over 200 nurses have been trained and completed telemedicine competencies.
- Live Dashboard for technology and visits.
- Expansion to complete strep/flu testing at point of care.
- Chronic Disease Management
 - Asthma
 - Obesity
- Communication with PCP or connect with a PCP.

Legislation and Expansion

- Texas 84th Legislature
- House Bill 1878

The screenshot shows a web browser window displaying a news article. The address bar shows the URL: <http://dallasexaminer.com/news/2015/sep/07/childrens-health-expands-telemedicine-30-additional/>. The article title is "Children's Health expands telemedicine to 30 additional schools", dated 9/7/2015, 8:39 a.m. The main image shows a physician in a white lab coat wearing a headset, sitting at a desk with a computer monitor displaying a telemedicine session. Below the image is a caption: "A physician consults with a school nurse using the Children's Health School-Based Telehealth Program. CHILDREN'S HEALTH". To the right of the article is a Wells Fargo advertisement for "The Great Rate Event" and a "FEATURED VIDEOS" section with a video thumbnail for an interview with the cast of "East...". The Windows taskbar at the bottom shows several open applications including "Inbox - Julie.Hall...", "RE: Virtual Visit...", "Published Cover...", "Lync Basic", "VidyoDesktop", "Population_Heal...", and "Virtual Visit - T...". The system tray shows the time as 10:38 PM on 9/15/2015.

Inpatient-Consults

Neuro-Immunology

- Limited specialists
- Service-line specific
- Non-dependent on a nurse or other personnel to accompany
- Operated from a mobile device (tablet/iPad)
- Mapped by floor – physician can select any pre-mapped room or drive the robot to the destination



Injury Prevention

- Medical car seats

The RP-VITA has enabled us to evaluate and consult with families and patients as needed – regardless of where I am. While away at research meetings or for any other reason, I can stay connected with our patients and assist in their complex care. It gives me the capability of doing thorough evaluations while not relying on other staff members to “bring” me to rooms. It is the next best thing to being there in person.
– Benjamin Greenberg, MD

Remote Patient Monitoring

The Remote Patient Monitoring (RPM) program enables Children's Health to monitor and connect with patients with chronic diseases, post-surgery or who may need monitoring after discharge.





SENSOR INGREDIENTS

Silicon: 0.9mg - Bananas have 5mg per 100 grams

Copper: 0.02mg - Cashews have 2.2mg per 100 grams

Magnesium: 0.01mg - Halibut has 107mg per 100 grams

THE FIRST COMPUTER POWERED BY YOU

Cleared by U.S. FDA, CE Marked in Europe
Designed to be combined with drugs
Supported by technology and data platform



+



+



+



proteus
DIGITAL HEALTH

Consumerism

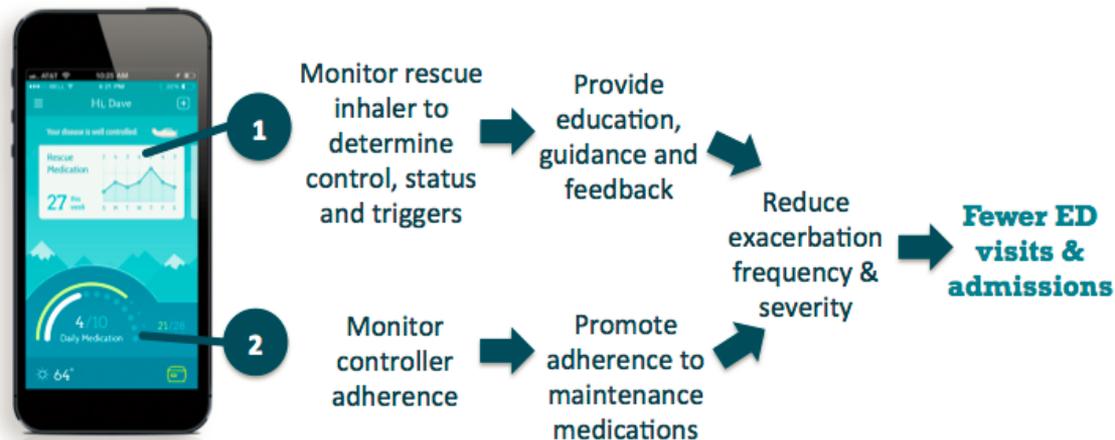
What does it mean for Children's Health?

Children's Health takes care of more children and more families in more places than ever before. By taking care of children, we are naturally interacting with families and why the **FamilyHealth**SM brand is a natural evolution of our health system.

- **National exchanges, employer mandated exchanges and high deductible health plans** are forcing consumers to be more involved in healthcare spending, causing those affected to be price-sensitive shoppers
- As **millennials increasingly become healthcare decision makers**, non-traditional and relational access points become critical
- To succeed in a value-based world, pediatric institutions must find ways to **differentiate itself and stay relevant to today's consumer by responding to unmet needs** through comprehensive service offerings

Propeller

The Propeller solution pairs sensor-enabled asthma device with clinical outreach in order to potentially improve asthma management. The pilot program was launched in October 2014 to high risk asthma patients meeting the study criteria.



iPhone Apps



My Asthma Pal
Health & Fitness

My Asthma Pal

My Asthma Pal is a mobile app designed to enhance asthma self-management and education, with the long-term goal of reducing preventable events, such as Asthma-related ED admissions.

Family Health On Call delivers “Health Care. On your doorstep.”

Family HealthSM On Call (formerly Mend) delivers high-quality care right on your doorstep. And best of all, you can book your appointment right on your smartphone, tablet or computer. We’ll diagnose and treat you right in the comfort of your home, office or just about anywhere.

It’s the same great care Mend brought you, just with a new name. It’s On Call. It’s care on your schedule. On your doorstep.



On Call treats:

- Ear, Nose & Throat
- Respiratory
- Gastro Intestinal
- Illnesses
- Eye
- Skin
- Injuries
- Flu Shots
- Physicals

Introducing Family HealthSM On Call.



How Family HealthSM On Call works.

- 1 Download our app.
- 2 Request a visit.
- 3 Rest. We'll be there soon.

On Call delivers high-quality care right on your doorstep.

When you're sick or injured, stay put. One of our highly experienced board certified physicians, physician assistants or nurse practitioners will be there shortly. On Call will treat and diagnose you right from the comfort of your home, office or just about anywhere. With the tap of a button, make an appointment online - and get on your way to feeling better. It's On Call. It's care on your schedule. On your doorstep.

On Call treats most illnesses and injuries.

<ul style="list-style-type: none"> Ear, Nose & Throat <ul style="list-style-type: none"> - Ear Infections - Sinus Infections - Sore Throat - Congestion Respiratory <ul style="list-style-type: none"> - Asthma - Bronchitis - Allergies - Pneumonia General <ul style="list-style-type: none"> - Flu Shots - Physicals Skin <ul style="list-style-type: none"> - Rashes - Skin Infections - Poison Ivy - Allergic Reactions - Boli/Abscesses 	<ul style="list-style-type: none"> Eye <ul style="list-style-type: none"> - Pink Eye - Eye Irritations - Eye Infections - Corneal Abrasions Illnesses <ul style="list-style-type: none"> - Fever - Cold - Flu Gastro Intestinal <ul style="list-style-type: none"> - Nausea - Stomach Issues - Urinary Tract Injuries <ul style="list-style-type: none"> - Minor Car Accidents - Sports Injuries - Concussions - Sprains - Stitches
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Brought to you by Family Health.

After treating the children of North Texas for over 100 years, Children's HealthSM is pleased to expand our range of services. We know making life better for children starts with healthy families. Introducing Family Health - a professional, convenient approach to caring for your entire family from a brand you trust - Children's Health.



Learn more at familyhealthoncall.com.

Remember On Call is not intended to replace your primary care doctor. Please call 911 for emergency medical needs.



FamilyHealth Virtual Visit provides consumers access to a trusted, quality care provider via a virtual platform.

Getting sick is never convenient. But now seeing a health care provider can be with Family HealthSM Virtual Visit. Using video technology, we're delivering high-quality care right to you, right at your local pharmacy – or for that matter, virtually anywhere.

After you're seen in our **Virtual Visit Kiosk at Dougherty's Pharmacy**, you can download our app or use our web portal to videoconference with a highly experienced health care provider. Get treated right in the comfort of your home, office or virtually anywhere you go for a number of illnesses and injuries, like:

- Flu
- Allergies
- Sinusitis
- Common Cold
- Ear, Nose, and Throat Infections
- Urinary Tract Infections
- Cuts
- Skin Infections, Burns and Rashes



Children's LIVE

- Utilizing a platform that allows for on-line registration and the archival of recorded “live” sessions
- Creating relationships with providers that simply cannot be maintained through traditional once a year activities
- Leverage any and all systems to create a collaborative arena versus Ivory Tower models



www.childrenslearn.com

LIVE! Continuing
Education
Program

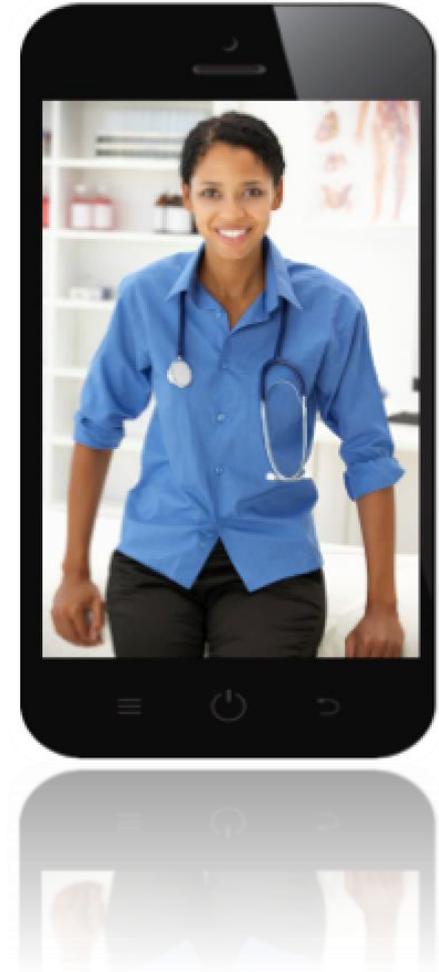
children'shealthSM

Privileged and Confidential

children'shealthSM

Research

- Ability to increase patient participation in clinical trials
- Allows rural and more distant participants to enroll
- Provides a unique opportunity for primary care providers to engage patients into research





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