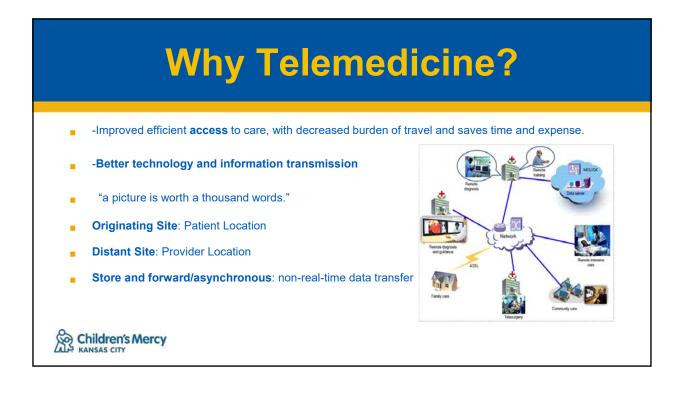


### **Disclosure**

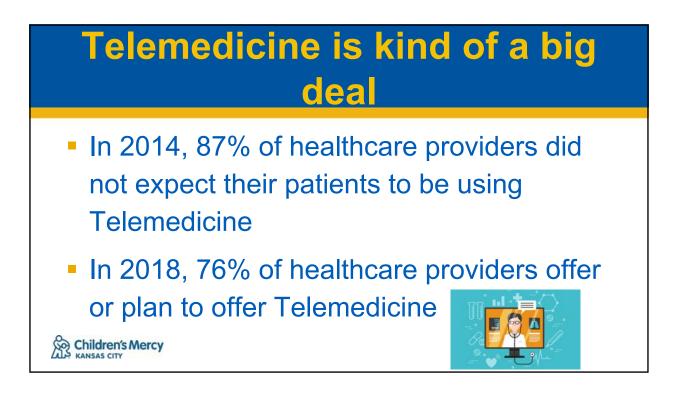
- I have no relevant financial relationships with the manufacturers(s) of any commercial products(s) and/or provider of commercial services discussed in this CME activity
- I do not intend to discuss an unapproved/investigative use of a commercial product/device in my presentation. Proprietrary systems may be discussed, but I am not recommending these systems over others.

### **Objectives**

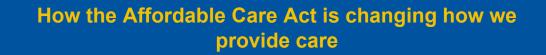
- What is Telemedicine?
- · Demonstrate the utility of Telemedicine with outpatient clinic flow
- Learn the technical differences between a facilitated and non-facilitated visit
- How to gain support from individual providers to use Telemedicine to triage patients into clinic workflow and educate when to be seen
- Understand the importance of HIPPA compliance and encryption with your platform
- Telemedicine Legislation



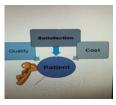
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Our health system is changing from **volume** driven to **value** driven care

Encouraging use of technology and Telemedicine to provide Triple Aim

Telemedicine has new innovative and creative meaningful uses in how we care for patients. It provide real time access and expertise for Quality, Safe, and Efficient Care

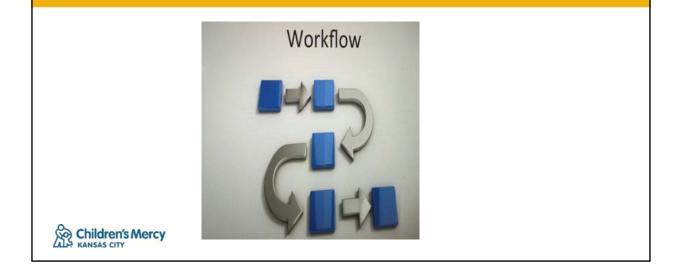
### Telemedicine Improves Access



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Build Trust, Deliver care, Strengthen Relationships in a Convenient, cost effective manner

Telemedicine Improves Provider Workflow and Access, and saves travel time for Patients and Providers





### The Threat of Direct to Consumer Telemedicine

 Some DTC companies encourage prescribing antibiotics without adequate testing, or a full exam creating a risk of misdiagnosis and poor antibiotic stewardship. Less of a threat, as medical devices become more affordable

## **The Traditional Waiting Room**

"Where Fun Goes to Die" The longer patient's wait to see a provider the more complicated the visit becomes (actual 11-yearold patient list written while waiting, none at time of visit): 1. Cough head hurts. 2. Stomach hurts. 3. Bump on foot. 4. Feet hurts and legs legs when running

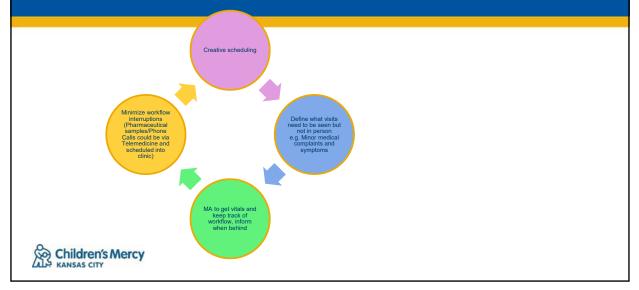
5. backache 6. pops from foot when I walk. 7. Headace all over 8. Nose gets cloged when going to sleep. 9. chest hurts when running 9. chest hurts when run 10. Side is hurting. 11. Knees hurt. 12. dizzy

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### How do we meet the demand?



### Advantages of Telemedicine Non-facilitated exam

- Can communicate and educate anywhere (home), with ability to offer continuity with convenience.
- Offer practice the ability to efficiently triage, whom needs to be seen in the office for more detailed exam and studies, where to be seen, and when.
- Able to see patient's appearance and work of breathing and provide anticipatory guidance and education, and refer if in trouble sooner
- ADD initial pre-evaluation Vanderbilt questionnaire, Behavioral issues

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### Minor Medical Illnesses Often seen by Telemedicine

- Pink eye, Otitis Externa, PET drainage, Stye/Chalazion
- Allergic Rhinitis, Postnasal Drip, URI, Cough, Headache
- Impetigo, Tinea Corporis, Candida Diaper Rash, Eczema, Insect Bites
- Abrasion vs Laceration (stitches or no stitches)
- Triage High Risk Patients with Influenza, AGE, Vomiting, Diarrhea
- Constipation
- Croup KEY IS PROVIDING ANTICIPATORY GUIDANCE, mandated in KS of WHEN TO RETURN if not improving, worsening and email copy of Barton Schmitt handout or Kids Health guidance & note

# Behavioral Health is becoming one of the most common pediatric office visits

- Mental health access, can be easier, and less stigmatized with treatment in a virtual setting.
- Chronic illnesses in children often are found to have medical behavioral comorbidity, such as anxiety and depression.
- Telemedicine can serve as a venue to review Vanderbilt questionnaires with parents whom Home/School previously filled out survey, would be a candidate for medication. This can save time on initial visit, provide education for meds, and schedule for rx, BP, wt
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## **Tips for ADD initial visits**

- Have Vanderbilt Assessment Tools available online, and have parent(s) and teacher(s) fill out and return to office in person, or secure patient portal.
- Score Vanderbilt Assessment and if meets criteria for possible medication at home and school, schedule Telemedicine (15 minute) meeting to review results, provide education to parent regarding symptoms, discuss how medications work, side effects and need for frequent monitoring (sleep, anxiety, HA, stomach ache, HTN, ECG). Bill for Telehealth visit ( typically will be reimbursed \$40 by most insurance companies).
- Schedule initial appt with patient for height, weight, BP, and ADD rx, and introduce role of medication to help with focus to patient.





### **Delivers Value**





### **Improves Performance** Patient satisfaction averages 98% positive using Telemedicine **TOP 5 Specialties** Location # Surveys Collected 98.91% Distribution Pulmonology: 98 Allergy, Asthma, & Immunology: 95 Gastroenterology: 39 Specialties Neurology: 17 plin (30.52%) 📑 Junction City (6.27% Children's Mercy $\omega^{\infty}$ Endocrinology: 17

### What is the difference from Facilitated and Non-facilitated



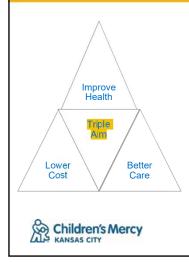
Facilitated Visit involves the use of a camera, USB port stethoscope, Otoscope, typically used in Inpatient and Outpatient Settings with RN/parent facilitating on patient side and provider seeing Patient via Telemedicine at a separate location.



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Non-Facilitated Visit may include Direct to Consumer using Smartphone Technology and Platform to provide guidance and education to patients.

## **KCA Direct to Consumer**



- 1. Caregiver signs up for Platform and has Internet and Smartphone technology
- Caregiver describes symptoms and waits in virtual waiting room to be seen by provider 5- 10 pm daily
- 3. Provider, caregiver, and patient connect
- 4. Provider asks questions, exams patient and develops diagnostic assessment and care plan.

5. If full facilitated exam needed a referral to PCP next day is made a priority by care manager. EMR documented, and email copy sent to caregiver with discharge instructions and Anticipatory guidance. HIPAA compliant, no charge to patient

### **Potential for Future** Escalation of Care



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-As platforms become More affordable, interchangeable, Foresee ability to consult Specialty expertise to the clinic bedside Future guidance while awaiting Transport Children's Mercy







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### Legislation/Medical Legal

2018 Kansas passed legislation HB2028 effective 1/2019 mandating coverage by private insurers and no limit to provider location. Bill GT modifier Originating site=where patient located, Distant site=MD/DO, PA, APRN Kansas Medicaid does not limit reimbursement based on patient location, and allows reimbursement for home-based Telehealth, payment same as face to face, and can bill facility fee. Currently very few lawsuits so minimal legal precedent In-person Standard of Care=Telemedicine Standard of Care Policymakers seek to reduce healthcare delivery shortages, contain cost, improve care coordination and doubled Telemedicine parity laws in the last five years. Must have f/u guidance, and HIPPA compliance.

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Data from Heartland Telehealth Resource Center

### Reimbursement

Reimbursement is State and Payer Dependent

Parity=reimbursement same via Telemedicine and in-person (>32 states have full parity, including KS 1/2019) Hidden benefits-increased patient satisfaction, increased referrals, may be less likely to go to UCC or ER Most insurance companies will reimburse \$40 for 15-minute visit Provider must have KS license, no additional malpractice or credentialing Consider cost reductions (able to see more patients more efficiently will less overhead/less time traveling to appt/waiting in waiting room, and decreased time getting to room to be seen, and time in each room) Reimbursements improving each year

Important to promote and advocate as hesitations overcome with education

## **Technology/HIPPA**

- HIPPA requires same rules as face-to-face encounter for privacy/security.
- See ATA website for Pediatric Care Guidelines
- High speed Internet required as well as bidirectional tech compatibility with iPad, laptop with webcam/speakers with login at both sites
- Several vendors offer USB stethoscope, otoscope for facilitated visit If storing picture data becomes electronic protected health information and security rule must be followed.

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## **REX THE ROBOT**

- REX is deployed to the outside world when patients need to stay inside the hospital.
- REX has been to graduations, weddings, funerals, sporting events and even CMH Child Life Prom
- https://www.dropbox.com/s/pvlrwqshublauk5/REX the Robot 2018.mp4?dl=0



