Developing New Technologies to Support Research in Pediatric Communities

Yael Harris, PhD, MHS
US Department of Health & Human Services
Health Resources & Services Administration
Director, Office of Health IT & Quality

Technological Innovations

- Telehealth
- Mobile Health
- Social Media
- Electronic Health Records

Telehealth

- Telehealth vs Telemedicine
- Live vs Store & Forward
- Applications

Examples

- Tele-intervention for pediatric hearing
- Tele-audiology in Alaska
- UC Davis Pediatric Critical Care
- U of Rochester Health e-Access
- “PICU Bot”- Pediatric ICU

HRSA Telehealth Activities

U.S. Department of Health and Human Services
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- Telehealth Network Grants
- Licensure & Portability Grants
- Telehealth Resource Centers
- Home Health Demonstrations
- Maternal & Child Health Grants

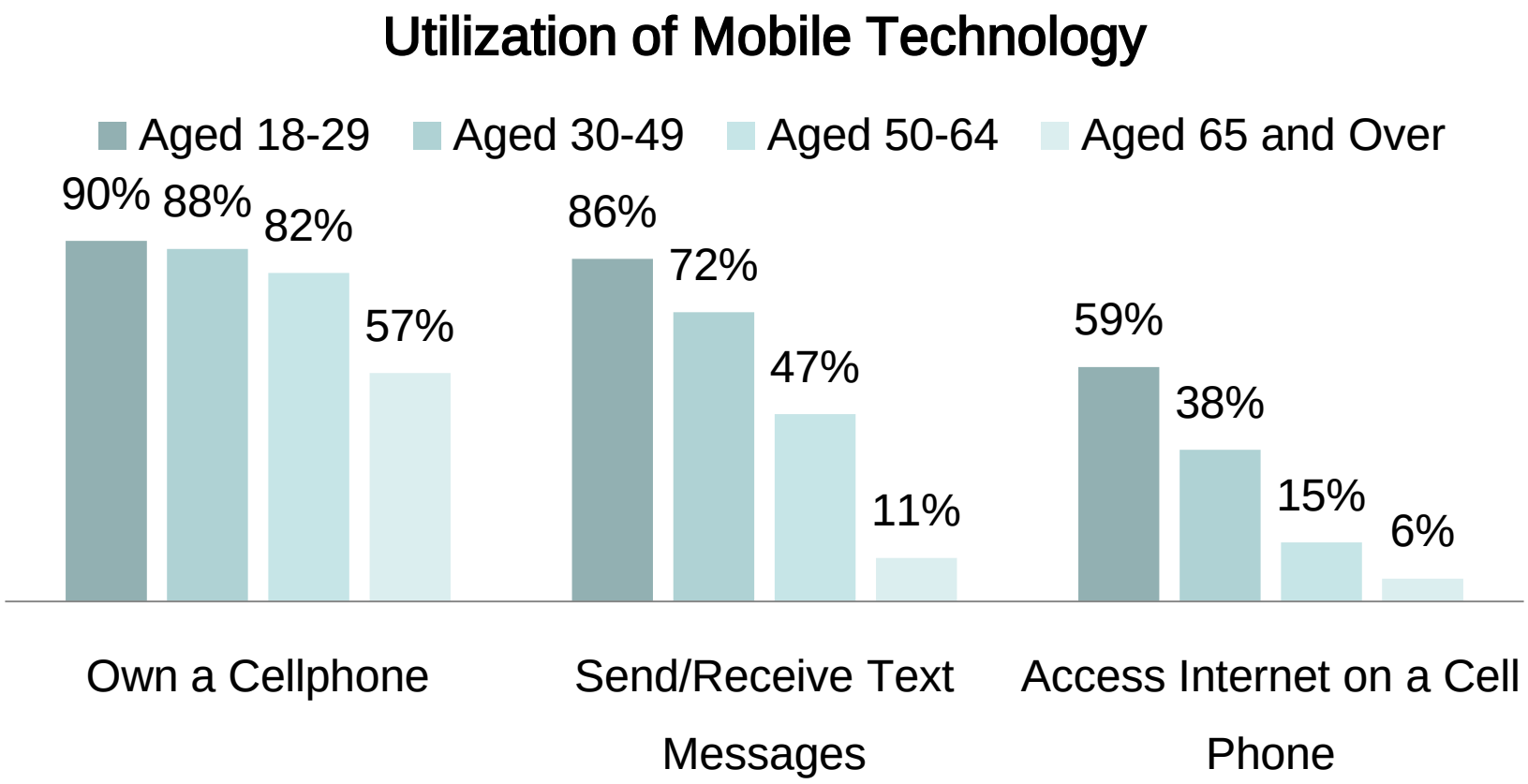
Opportunities to Engage

- American Telemedicine Association
- American Academy of Pediatrics
- Center for Telehealth & eHealth Law
- Office for the Advancement of Telehealth
- Fed Tel

mHealth programs can be

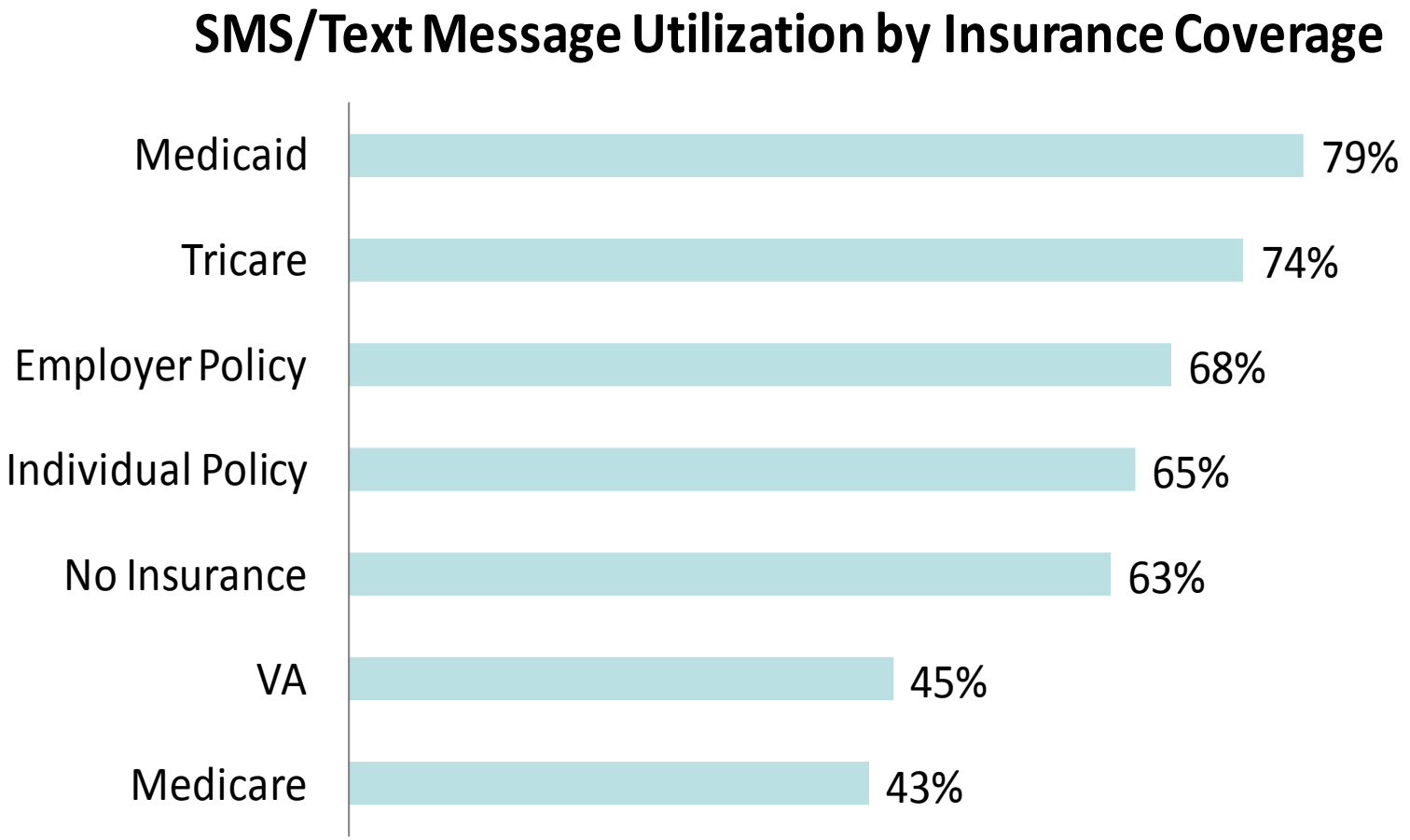
- Integrated into daily life
- Proactive
- There at the ‘right’ times
- Personalized
- Interactive
- On-going
- Providing social support

Use of Mobile Technology



Source: Pew Research Center's Internet & American Life Project, April 29-May 30, 2010 Tracking Survey. N=2,252 adults 18 and older, including 1,917 cell phone users. *** = significant difference compared with all

Use of Text Messaging



Source: Pricewaterhouse Cooper HRI Study, 2010,
http://apps4android.org/hhc/New_business_models_delivering_care_anywhere_chart_pack.pdf

mHealth

- Bi-directional or one way
- Text or App
- How it is used

Mhealth- Audience

- Provider
- Patient
- Population/Public Health Tracking

Reflections on mhealth in US

U.S. Department of Health and Human Services
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Range of Discussion on Whether mHealth is Transformative?

No

- An extension of current communication or current models of care

Yes

- From provider & location centric system to patient-centered anywhere care
- From provider control to individual locus of control
- Change the way we search for and use information

mHealth for Pediatrics

- Text4Baby
- Asthmopolis
- Is it Contagious
- Endogoddess LLC

Federal mhealth Activities

- Text2Quit
- Text4KidsHealth
- TextHealth
- Text4Baby Evaluation

Opportunities

- mHealth Summit
- MobiHealth News
- International research
- National evaluations

Social Media

- Facebook
- Twitter
- Blog
- Disease specific websites

Examples

- Patients Like Me
- Pediatric Supersite Blog
- Moms on a Mission
- PeRSSonalized Pediatrics

Opportunities

- Twitter- top pediatric links to follow
- Facebook- disease or condition specific entities
- Search internet for groups or blogs

Electronic Health Records

- Care Coordination
- Information management
- Personal health records
- Creating a learning health care system

Examples

- RemedyMD
- National Newborn Screening & Genetics Research Center
- Cook Children's Health

HRSA Support for Pediatric EHRs

- Pediatric HIT Toolkit
- Pediatric Oral Health IT Toolkit
- Rural Health IT Toolkit

Questions?

yharris@hrsa.gov

301-443-0210

www.hrsa.gov/healthit