Telehealth Transforming Healthcare

New Players, New Models of Care

Presented to

OCEBC
Orange County Employee Benefit Council

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1. Health and Wellness 2015 – New Players, New Models of Care
2. The Rise of Personalized Telehealth
3. Health and Wellness’ Turn - Massive Changes Looming
4. Prescriptions to Prevention – Engaging Consumers in Wellbeing
The Creative Destruction of Healthcare

**Improved Rounds**
- Transmission of medical imaging and data for diagnosis, disease management
- Prevention, diagnosis and treatment of diseases using remote monitoring tools
- Apps for emergency health advice
- Electronic consultation, second opinions
- Distance medical education
- Health data analysis for disease surveillance
- Real-time intervention—e.g. teleradiology, teledermatology

**Immunotherapy**

**Personal Genomics**

**Telehealth**

**Sensors, Wearables, Apps**

**The Quantified Self**
Why Telehealth, Why Now?

- **Access** - consumers increasingly want on-demand care; high-risk, remote patients need frequent assessments, advice

- **Convergence** - between technology & Healthcare. Encryption, video & cloud computing advances enable new possibilities for HIPAA compliant distance counseling

- **Scarcity of Doctors** – 90,000 Physician shortage by 2025

- **Adoption by Insurers** embracing telehealth. Anthem, nation's 2nd largest insurer, offering telehealth visits with no copay to Medicare Advantage members in 12 states (NY, CA)

- **Demographics** - by 2020, Millennials---the 1st generation to have grown up in the “digital age” will comprise 46% of all U.S. Workers. Boomers want personalization, convenience

- **Solving the Unsolvable** – massive computing power, scientific breakthroughs are driving “prevention” as a cure
90,000 Physician Shortage By 2025

Avg. Days Wait to See Specialist

To See Family Physician

Historical Telehealth Performance

• 3.21 min. at call center
• 11 minutes avg. physician response time
• 15 minutes average physician consult time
• 30 minutes start to finish
• 71% received prescription
• 99.5% of members said health issue was resolved
• 88% had health coverage
Just Click a Button, and the Doctor Comes to You

1.2 million doctors at your fingertips. Started with pediatricians and obstetricians serving pregnant women and moms, in 2 years expanded physician network to over 37,000 US licensed physicians

Let’s Go

Video Visits with Board Certified Physicians, Psychologists, and Lactation Consultants via smartphones, tablets, and desktop computers.

“I can see you now”

24/7 access to U.S. board-certified doctors & pediatricians

AW8. The next generation of telehealth

Using the app, physician can initiate call, review data from a patient’s biometric devices. A doctor’s office can send a patient an invite to speak with the physician.

We’re Here to Help When You’re Ready

A telehealth platform that matches consumer demand and physician availability in real time,

What is Telehealth?

Uses health informatics, disease management and telehealth technologies to target care, improving health of veterans.
New on mHealthNews
THE VOICE OF MOBILE HEALTHCARE

**Congress under pressure to boost remote patient monitoring**
October 07, 2015
A dozen organizations are calling on lawmakers to change Medicare's "outdated" telemedicine policies and allow for more reimbursement of remote care for chronic care patients. **READ MORE**

The groups criticized Medicare's current reimbursement strategy for telemedicine as being "outdated" and limited. It's calling on Congress to expand that envelope to allow providers to use – and be reimbursed for – remote patient monitoring technology for patients with chronic conditions.

**Analytics and mHealth find common ground**
October 01, 2015
A new tech offering for diabetics promises to collect their data and, using predictive analytics, help them manage their chronic condition. **READ MORE**

**Researchers unwrap app for improving mood and mental state**
August 12, 2015
U. of Missouri researchers have developed an app that helps those with depression connect with their physicians. **READ MORE**

**Mayo’s eICU Makes Case for Connected Care**
July 06, 2015
Subsidizing a 100-bed telemedicine program and hoping that Congress will take note. But can legislators be convinced that reimbursement is necessary? **READ MORE**
THE RISE OF PERSONALIZED TELEHEALTH

Personalized Digital Health
chronic disease prevention and medical treatment based on an individual’s physiology, genetic or biochemical profile, value system and unique conditions---will dramatically improve success rates and reduce system costs associated with one-size-fits all health care approaches
Crunching the Numbers

$6.5B
Amount of investment in digital health during 2014, more than all the amount for previous three years

100,000
The number of health apps available for smartphones

1
Life saved using Personalized DNA-based Therapy “NGGS” to quickly diagnose, treat rare diseases
Hundreds of Small Innovations, Chipping Away

1. MedWeb – handheld Telemedicine kit
2. American Well – Telemedicine Kiosks
3. ICouch – video counseling over HIPAA compliant platform
5. Theranos – rapid, painless blood diagnosis
6. Comwell Medical’s “Health-e-Chair”
7. Second Opinion Telemedicine Solutions
8. American Well – Apps for Physicians
9. Rural, School-Based Telehealth Clinics
10. TalkSession – mobile solution for mental health counseling

More than 7,700 startups around the world are developing solutions in digital health.
Healthcare Disruption Tour

**Perfint**

Minimally invasive, image-guided robotic systems, first-of-its-kind integrated cancer-therapy-enabling device combining tumor visualization, treatment targeting, robotic navigation, and verification

**Avizia**

Telemedicine carts – monitors mounted on wheeled carts featuring high-quality cameras – patients can interact with doctors or nurses via Avizia’s video client from the comfort of their own homes, long-term care facilities, or rural areas where doctors are few

**Cardiomems**

Non-surgically implantable wireless device with remote monitoring of pulmonary artery pressure, to reduce heart failure-related hospitalizations. An increase in PA pressure can appear before overt symptoms of heart failure

**Breakthrough**

An online platform connecting patients with therapists providing online video-therapy
Telehealth: Personalized, Preventative, Continuous

75% of all hospital readmissions are preventable

- Rite Aid to pilot HealthSpot telehealth kiosks in Ohio. 11/7/14
- Not a big leap to monitor patients in their homes and address emerging health issues before they lead to hospitalizations or readmissions
Medical Moonshots - Can You Spell Alphabet?

- Reorg into Alphabet allows Internet giant to take more chances with new technology
- Life Sciences and Calico units developing game-changing type healthcare solutions
- Partnering with diabetes Management leader Dexcom on glucose sensing patch
- U. of Mass Med School says Google Glass saved lives of 6 toxicology patients

Dr. Cynthia Kenyon, hired in 2014 to lead Google’s Calico unit, says, “You live a healthy life, and then you turn out the lights”.

Source: Mhealth News and Journal of Medical Toxicology, August 2010
“A Step Change in Technical Innovation”

Improved Rounds
Beth Israel Deaconess Med Center developed a custom information retrieval system so doctors scan a QR code on the wall of each room to call up patient information.

- EMT Triage
- Surgical Training
- Patient Communication
- Compliance
- Virtual Dictation

© Boston Globe via Getty Images

70%
Of 3rd and 4th year med students said they spend more time documenting than they do seeing patients.
Genetic testing is core of new model: precision medicine, evidence-based, rooted in quantitative science, tailored to the individual.

- Gene mapping, links disease profiles/risks to gene sequences, transforming diagnosis.
- We can already identify genes linked to old age, speech, memory, criminality, depression, obesity and stable relationships.
- Cost of sequencing a human’s genome, has fallen from $100M in 2001 to $1000 by 2015, in a process taking under 2 hours.

Stealthy 10X Genomics Raises $55.5M To Beef Up DNA Sequencing
Disruptive Innovation: Needle in a Genetic Haystack

- Experimental diagnosis tactic that sequenced the DNA in Joshua's cerebrospinal fluid.
- Individualized diagnosis, treatment AND prevention will become the norm.
- Game-changing trend for healthcare
- Tailoring of drugs and other treatments to specific populations, based on their genetic and molecular biology profiles.
- Integrates advances in diagnostic biotech (e.g. rapid gene sequencing), expansion of scientist’s understanding of molecular disease pathways, and Moore’s Law (cloud computing).
- Tech players leading the way

“The diagnosis could not have been made in time in this case without NGGS”

Dr. Charles Chui, NGGS pioneer, Head of Viral Diagnostics Lab, UCSF
Your Body is Talking to You

Are You Ready For Sensors In Healthcare?
Wearable | Ingestible | On Device

Sensors in Healthcare are poised to enable interventions and predictive capabilities delivering billions in savings and a truer sense of personal care.

First Warning
A breast health system to detect tumors earlier and cut the rate of false positives and negatives by measuring cell temperature changes over time.

Scanadu “Scout”
A handheld sensor that when placed against the forehead for 10 seconds allows you to analyze, track and trend your vitals, including heart rate, temperature, BP data, respiratory rate and to a smartphone with a 99% accuracy rate.

“EPOC” by Emotiv
The EPOC uses sensors to tune into electrical signals produced by the brain to detect user thoughts, feelings, and expressions.

iHealth Labs BP Monitor
A wireless blood-pressure wrist monitor, weight scale, and pulse oximeter that transfers data to the iHealth MyVitals App.

EASYWAKEme by Dreamtrap
A sleep monitor with vibrating alarm that “reads” body characteristics, tracks sleep duration and efficiency to accurately determine optimal wake-up.

Global Mobile Sensing Health & Fitness Shipments

<table>
<thead>
<tr>
<th>Units (Million)</th>
<th>2012</th>
<th>2017</th>
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</thead>
<tbody>
<tr>
<td>107</td>
<td>150</td>
<td>515</td>
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“The whole sensor field is going to explode. It’s a little all over the place right now, but with the arc of time it will become clearer.”
-- Tim Cook, CEO, Apple, 2013

“The next logical step in this evolution is for sensors to help manage chronic disease, which affect more than 140 million individuals in the United States, and account for more than 75% of our healthcare expenditures.”
-- Eric Topol, The Creative Destruction of Medicine

140 million Americans live with chronic disease

Source: ON World | as seen on mobihealthnews.com
And So Is Your Mind

Not ready for therapy?  
Want to feel better?  
There’s an app for that...  
Meet the world’s best selling therapy app.

iCouch CBT helps you train your emotions and feel better.

$1.99  Available on the App Store

Getting happy just got easier
The easiest way to get great matched to great counseling online. Features video counseling over a HIPPA compliant platform that makes high definition video sessions possible over normal web connections

“90M people are underserved by mental healthcare. But everyone has cellphones. It’s about making clinical, diagnostic and personality matches, user to a therapist. Stigma, motivation and convenience can be major barriers to mental health care.
HEALTH & WELLNESS’ TURN: MASSIVE CHANGES LOOMING

“Disruptive Innovations”- game-changing breakthroughs transforming entire market sectors to make that sector’s products / services more customer centric, value delivering and affordable.
“If Only I’d Known Sooner”.

- Blood analysis integral to medicine
- 30% - 60% of people who are ordered by their doctor to get a blood test do not.
- Theranos’ blood tests take 1 – 2 blood drops via a pinprick from your finger to detect dozens of medical conditions, from high cholesterol to cancer
- A typical lab test for cholesterol costs $50. Theranos test at Walgreens costs $2.99.

“We believe access to affordable, real-time diagnosis is a basic human right.”

Elizabeth Holmes, Founder and CEO
2014: The Year Digital Health (1.0) Got Serious

- High costs, aging population driving demand
- Tablets, sensors, rapid gene sequencing, broadband, big data keep getting cheaper
- Socially conscious graduates from schools worldwide are opting to create companies in healthcare rather than other tech startups
- Healthcare investing drawing interest from 3 diverse groups: Insurers, Entrepreneurs, Individual investors
- Entrepreneurship in digital health increasingly being led by women, minorities, doctors, and global innovators

“What I really want out of life is to discover something new, that mankind didn’t know was possible to do.”
## Theranos Trending

<table>
<thead>
<tr>
<th>Test</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hematocrit (HCT) Count, Spun</td>
<td>$1.63</td>
</tr>
<tr>
<td>Hemoglobin (HGB)</td>
<td>$1.63</td>
</tr>
<tr>
<td>WBC, Automated (Leukocyte Count)</td>
<td>$1.75</td>
</tr>
<tr>
<td>Erythrocyte Sedimentation Rate (ESR)</td>
<td>$1.86</td>
</tr>
<tr>
<td>RBC Count, Automated</td>
<td>$2.07</td>
</tr>
<tr>
<td>Urinalysis (UA), Complete</td>
<td>$2.18</td>
</tr>
<tr>
<td>Urinalysis, Complete w/ Reflex to Culture &amp; Susceptibility (+$5.55)</td>
<td>$2.18</td>
</tr>
<tr>
<td>Occult Blood Diagnostic, Fecal (1 card)</td>
<td>$2.24</td>
</tr>
<tr>
<td>Drug Screen Panel</td>
<td>$49.98</td>
</tr>
<tr>
<td>Extractable Nuclear Antigen Antibodies (RNP, Smith, SSA, SSB, SCL-70, JO-1)</td>
<td>$73.95</td>
</tr>
<tr>
<td>Hepatitis C Virus Genotype</td>
<td>$117.96</td>
</tr>
</tbody>
</table>
Young Girl’s Last Hope: Immunotherapy

♦ For 1 year, 6 year old Emily Whitehead fought ALL, **Acute Lymphoblastic Leukemia**, the most common childhood cancer

♦ 85% of kids with ALL cured after a 2-years of chemotherapy; 15% have a type resistant to even the most intense chemotherapy

♦ Emily is a 3-time leukemia survivor, who relapsed 2X after chemotherapy, had no treatment options.

♦ In 2012, at age 7, she was the **1st child in the world to receive experimental T-cell therapy**. She’s been in remission since.

♦ In clinical trial doctors removed millions of her T-cells — a type of white blood cell — and inserted new genes into it enabling T-cells to kill cancer cells

“T-cells are living drugs. With a pill, you take it, it’s eliminated from your body and you have to take it again. But T-cells, could potentially be given only once, twice or three times”

* Dr. Michel Sadelain, Sloan Kettering Cancer Institute
Embracing Disruption

Halle Tecco
Founder and CEO,

“We still don’t have that Apple of healthcare, that brand that we love and that we really respect and trust — that’s what we’d like to see.”

Feyi Olopade
Founder and CEO

“Most people didn’t know how genetic information would influence clinical care. But knowing someone’s genetic mutations may be the difference between life and death for the patient, and also the patient’s family.”

Danielle Cojuangco
Head of product design,

“The health space is a natural fit for creative professionals. I love that we are tackling big picture problems, taking advanced technology, and turning it into something human.”

ROCK HEALTH

CancerIQ

Proteus Digital Health
### Behavioral Health Market Overview

#### Leading Disease Cost Contributors in U.S.

<table>
<thead>
<tr>
<th>Category</th>
<th>Mental &amp; Behavioral Disorders</th>
<th>Neurological Disorders</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cardiovascular and Circulatory Diseases</td>
<td>16.8%</td>
<td>18.7%</td>
</tr>
<tr>
<td>Neoplasms</td>
<td>15.1%</td>
<td>5.1%</td>
</tr>
<tr>
<td>Musculoskeletal</td>
<td>11.8%</td>
<td></td>
</tr>
<tr>
<td>Diabetes, Urogenital, Blood and Endocrine Diseases</td>
<td>8%</td>
<td></td>
</tr>
<tr>
<td>Chronic Respiratory Diseases</td>
<td>6.5%</td>
<td></td>
</tr>
<tr>
<td>Other Non-communicable Diseases</td>
<td>5.1%</td>
<td></td>
</tr>
</tbody>
</table>

- Industry revenues represent over $300B
- Mental Health and Substance Abuse Market to grow 2.8% through 2018
- Industry remains highly fragmented
- Demand for mental health services has reached an all-time high, while supply of dedicated hospital beds has steadily declined (14% from 2001 – 2011)
- ACA promotes expanded utilization, by including MH/SUD benefits as “Essential Health Benefits”.
- MH/SUD co-occurrence untreated in 50% of impacted population
Crunching the Numbers

50%  
Percentage of beneficiaries with a physical chronic condition who also have Behavioral Health comorbidity (co-occurring condition)

3 - 4x  
Increase in healthcare costs when mental illness and/or substance use disorder (SUD) is present in chronic condition population

25  
Years of lost life expectancy associated with serious mental illness (SMI). Primarily due to physical health issues
Behavioral Health Challenges

- Access to care is the #1 barrier
- Medicare, Mental Health Parity to expand access by up to 62 million new consumers
- Healthcare reform aims to reduce the fiscal and psychological (stigma) barriers to mental healthcare services
- 80% of employees with behavioral difficulties are seen and treated in the primary care sector, without access to behavioral specialists
- Behavioral health conditions add about $1,600 annually in direct behavioral health treatment cost and lost productivity and $3,200 in use of additional “physical health” services

### Mental Health Care at the Doctor’s Office

<table>
<thead>
<tr>
<th>Age group</th>
<th>Percent of mental health related visits to primary care doctors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Under 12</td>
<td>5.5 %</td>
</tr>
<tr>
<td>12 - 17</td>
<td>11.7 %</td>
</tr>
<tr>
<td>18 - 24</td>
<td>17.7 %</td>
</tr>
<tr>
<td>25 - 44</td>
<td>21.9 %</td>
</tr>
<tr>
<td>45 - 59</td>
<td>29.5 %</td>
</tr>
<tr>
<td>60 - 74</td>
<td>26.5 %</td>
</tr>
<tr>
<td>75 +</td>
<td>30.8 %</td>
</tr>
<tr>
<td>All</td>
<td>20.4%</td>
</tr>
</tbody>
</table>

Visits to primary care doctor's office are more likely to involve a behavioral problem as patients get older. Source: Centers for Disease Control and Prevention. Released in 2014.

SAMHSA study found that 1 in 5 U.S. adults have a diagnosable mental illness

- 23% of women
- 16.8% of men
Unmet Mental Health Needs Create Opportunity

- Adults diagnosed with SUD and AMI remain largely underserved
- The ACA and payor reimbursement policy changes will drive expanded use
- Integrated Care models enable greater utilization of telebehavioral health

### Treatment in Diagnosed Mentally Ill Population

- **Any Mental Illness (AMI):** 41%
- **Serious Mental Illness (SMI):** 62.9%
- **Moderate Mental Illness (MMI):** 45.9%
- **Low (Mild) Mental Illness:** 29%
- **No Mental Illness:** 8.5%

Over 1/3 of SMI Patients and over 1/2 of MMI Patients DO NOT RECEIVE ANY TREATMENT
Engaging Consumers in Health Improvement

the vast majority of the devastation and cost of chronic disease is concentrated in higher risk groups who are less informed or resistant to behavior change, and are managed by a harried primary care physician in a fossilized system.
"Harnessing new preventative health technologies to help people live healthier lives is the next great opportunity of our generation," said Young Sohn, president and chief strategy officer of Samsung.

- MC10's stretchable circuit technology virtually invisible electronics.
- Ultrathin, skin-like stretchable band-aids monitor vital signs on the skin, sensing perspiration, temperature, heart rate, or blood oxygen.
- Use vital sign changes as a triggering mechanism for various therapies.
- Renewable, flexible solar energy harvesters in rucksacks, helmets and other gear, give soldiers discreet, renewable power where there was none.
Anatomy in Your Pocket

- On average, **patients retain only 10 percent** of the information provided by their doctors.

- Pocket Anatomy creates **interactive 3D medical anatomy software as a visual aid** for doctors to explain procedures and conditions.

- Harness elements of gaming and **game-based learning** to promote the understanding of medical education and health care.

- The Irish startup won **2014 Best Tech StartUp Award** at Next Web
## Telehealth Opportunities: Preventing Alzheimer’s

<table>
<thead>
<tr>
<th>Percentage of Medicare spending on Baby Boomer’s with Alzheimer’s Disease by 2040, up from 2.1% Medicare spending on Alzheimer’s in 2020</th>
<th>Number of Baby Boomers who, by 2050, will develop Alzheimer’s, levels far beyond anything we've ever seen</th>
<th>Reduction in the number of people who have Alzheimer’s by 2050 if a treatment that delays this disease is introduced and scaled</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>25%</strong></td>
<td><strong>28M</strong></td>
<td><strong>42%</strong></td>
</tr>
</tbody>
</table>

“There is good research now we're seeing that lifestyle changes may make a difference”

*Source: “The Projected Impact of the Baby Boomers on the Trajectory of and Spending on Alzheimer’s Disease” Dr. Lisa Alecxih, The Lewin Group, July 20, 2015*
Over a century after German neurologist Alois Alzheimer described one of his patient’s “particular malady of the cerebral cortex,” no successful drug has been developed to stop or even slow down a “hopeless diagnosis.”

Alzheimer’s effects more than 5 million Americans; and more than 30 million people worldwide. It is the 6th leading cause of death in the United States.

UCLA Neurology Center head and Buck Institute for Research on Aging Founding President, Dr. Dale Bredesen reported success in a small study of reversing memory problems associated with early stage Alzheimer's.

The study engaged participants in a complex 36-point therapeutic program, driven by extensive pre-testing to personalize the approach for each patient.

Source: “Aging,” September 2014
On Feb. 19, the FDA allowed 23andMe to resume business, after 2013 halt

Huge step towards patient-centric medicine when FDA approved marketing of genetics testing company 23andMe’s carrier test for Bloom Syndrome

Affirmed rights of consumers to drive their own health-care decisions and procedures

Creates urgency to develop policies regulating rights of companies to resell data derived from contents of our DNA and our medical records
Dr. Bredesen’s regimen involves 36 components, integrating a complex program of lifestyle changes (exercise, nutrition), supplements, sleep therapy, and hormone therapy. Tailored to the individual, it includes diet changes such as eliminating simple carbohydrates and processed foods; regular exercise; stress reduction; good sleep habits; supplements like fish oil, curcumin and vitamin D; and, hormone therapy. In September 2014 issue of “Aging,” Bredesen describes cases of 10 patients undergoing the therapy – 50% diagnosed with mild cognitive impairment (MCI), 50% with early-stage Alzheimer's. Memory improvement for 9 of 10 in 3 to 6 months, two of whom regained memory to return to work they retired from. Besides the spectacular improvements in memory the main side effects of this personalized protocol were a better BMI (body mass index) and improved health in general.

Source: “Journal of Aging,” September 2014
Consumers as Health Plan Experts

- Philadelphia-based Picwell, created **technology to help consumers choose a health plan**, securing $4M funding

- Launched 9/16/2014 to build predictive analytics models with full power of big data so **consumers can rely on expert in every nuance of health plan selection**

- Picwell's technology, is licensed to insurers, employers, and healthcare exchanges; **analyzes more than 900,000 variables** to help consumers **find the most appropriate plan for their needs**

- Provides **personalized assessments on plan costs**, out of pocket expenses and value of each plan's benefits, yielding personalized Picwell Score for each plan. Scores based on consumers' information, CMS drug formularies, provider networks & claims
Insider Trading

VERIFIED EXPERIENCE  How many times doctors have performed each procedure

OUTCOMES  How good are a given doctor’s results

FACILITY RATINGS  How well does the facility rank that a doctor uses

EXPENSES  How much each doctor costs

POTENTIAL ISSUES  Does the doctor have medical-board sanctions or lawsuits

EDUCATION, TRAINING, CERTIFICATIONS  How good is a doctor’s training
Home Health Tech Market Will 3X by 2020

Aug 31, 2015, “Clinical Innovation+Technology”

♦ Home health tech market will triple to $13.7 billion by 2020, up from $3.4 billion in 2014

♦ Led by Telehealth, elder care, medical monitoring and health and wellness devices

♦ Ongoing check of vital signs to better monitor and care for chronic diseases

♦ GVR estimates worldwide mobile health market will grow 48% yearly to $49B in 2020

♦ Provide virtual checkups for disabled or bedbound individuals

♦ Ease care transitions, care facility to home, improving health outcomes
Telemedicine Scorecard by State

- **Telehealth Parity**
  - Private Insurance
  - Medicaid
  - State Employees Health Plan

- **Medicaid Service Coverage and Conditions of Payment**
  - Distance or Geography Restriction
  - Home Health
  - Eligible Provider

- **Innovative Payment or Service Delivery Models**

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### Medicaid Service Coverage and Conditions of Payment

<table>
<thead>
<tr>
<th>PARITY:</th>
<th>Private Insurance</th>
<th>Medicaid</th>
<th>State Employee Health Plan</th>
</tr>
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<tbody>
<tr>
<td>MEDICAID SERVICE COVERAGE &amp; CONDITIONS OF PAYMENT:</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Patient Setting</td>
<td>A</td>
<td></td>
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<tr>
<td>Eligible Technologies</td>
<td>C</td>
<td></td>
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<tr>
<td>Distance or Geography Restrictions</td>
<td>A</td>
<td></td>
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<tr>
<td>Eligible Providers</td>
<td>C</td>
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<tr>
<td>Physician-provided Services</td>
<td>B</td>
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<td></td>
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<tr>
<td>Mental/behavioral Health Services</td>
<td>B</td>
<td></td>
<td></td>
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<tr>
<td>Rehabilitation</td>
<td>F</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Home Health</td>
<td>F</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Informed Consent</td>
<td>B</td>
<td></td>
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<tr>
<td>Telepresenter</td>
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#### Medicaid
- Coverage for interactive audio-video and store-and-forward for the purposes of dermatology, ophthalmology, and dentistry.
- Also recognizes OT, PT, speech language therapists, and audiologists as eligible providers of telemedicine but offers no billing details for rehabilitation services via telehealth.
- 2014 law allows verbal or written method of collection to satisfy patient informed consent requirements. Therefore, a telepresenter is no longer necessary to facilitate this requirement.

#### Innovation
- California Telehealth Network supports broadband connections of many institutions state-wide.
We’re Still in the Top of the 1st Inning

Thank You!

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