



Telemedicine Applications

Ronald S. Weinstein, MD

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Telemedicine

- Modalities
- Services

Telemedicine

- Modalities
- Services

Modalities

Visual

Auditory

“Talk is the treatment”

Modalities

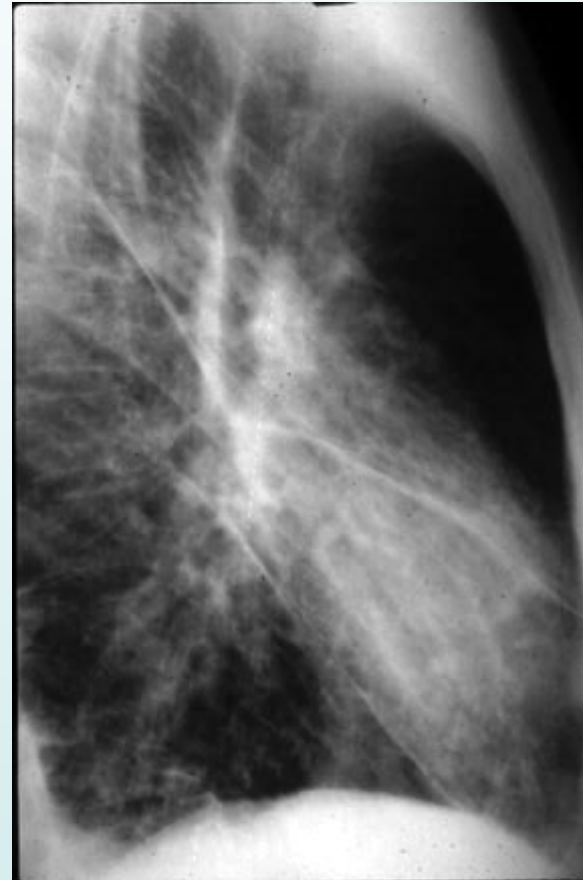
Visual

Auditory

“Talk is the treatment”

MEDICAL IMAGING

Teleradiology



MEDICAL IMAGING

Telemammography



MEDICAL IMAGING

Teledermatology



MEDICAL IMAGING

Otorhinolaryngology (ENT)



MEDICAL IMAGING

Modalities

Visual

Auditory

Electronic Stethoscope



Modalities

Visual

Auditory

“Talk is the treatment”

“The talk is the treatment”

- Psychiatry/psychology
- Genetic Counseling
- Pain Management
- Nutrition
- Support group
- Hospice care



Telepsychiatry



Cancer Genetic Counseling



Breast Cancer Survivor Support Group Training

Support Groups



Telemedicine

- Modalities
- Services

TELEMEDICINE SERVICES

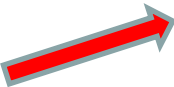
Pre-internet

TELEMEDICINE SERVICES

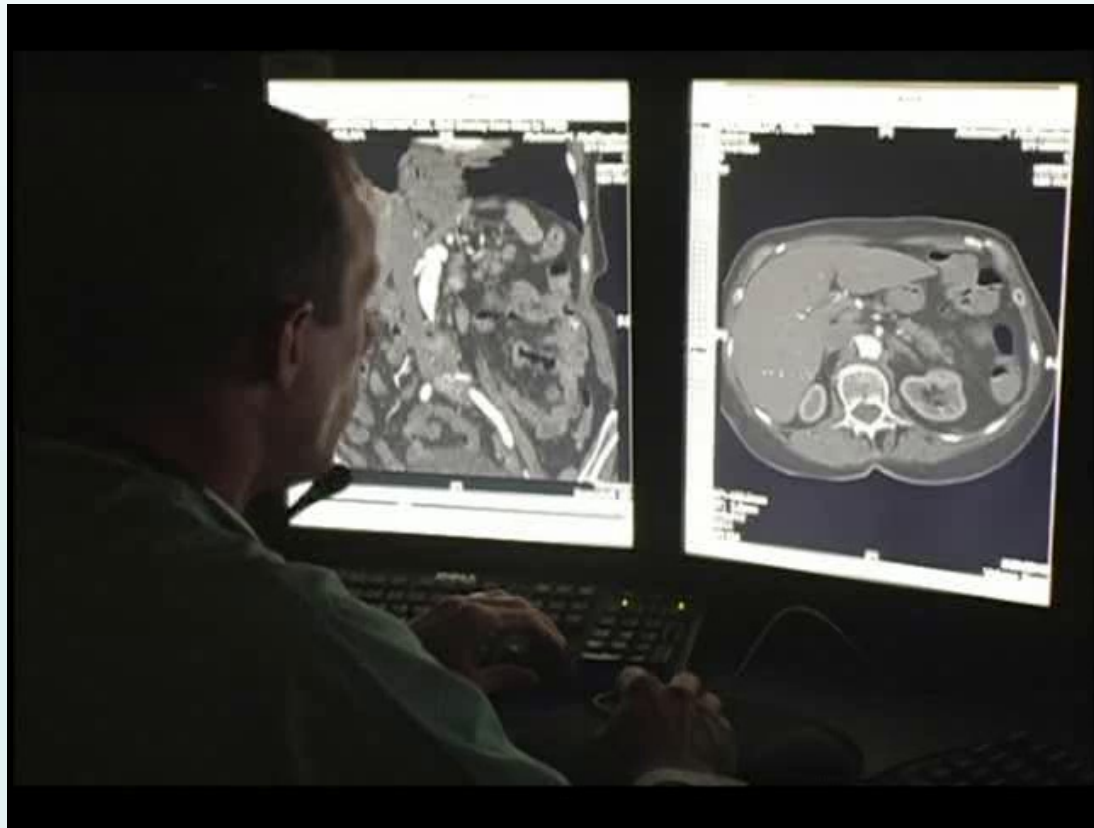
Leading Telemedicine Services

1. Gap Services
2. Urgent Services
3. Mandatory Services

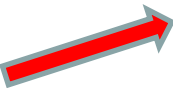

Leading Telemedicine Services

1. Gap Services  **Teleradiology**
2. Urgent Services
3. Mandatory Services

Teleradiology - 1,400,000+ cases

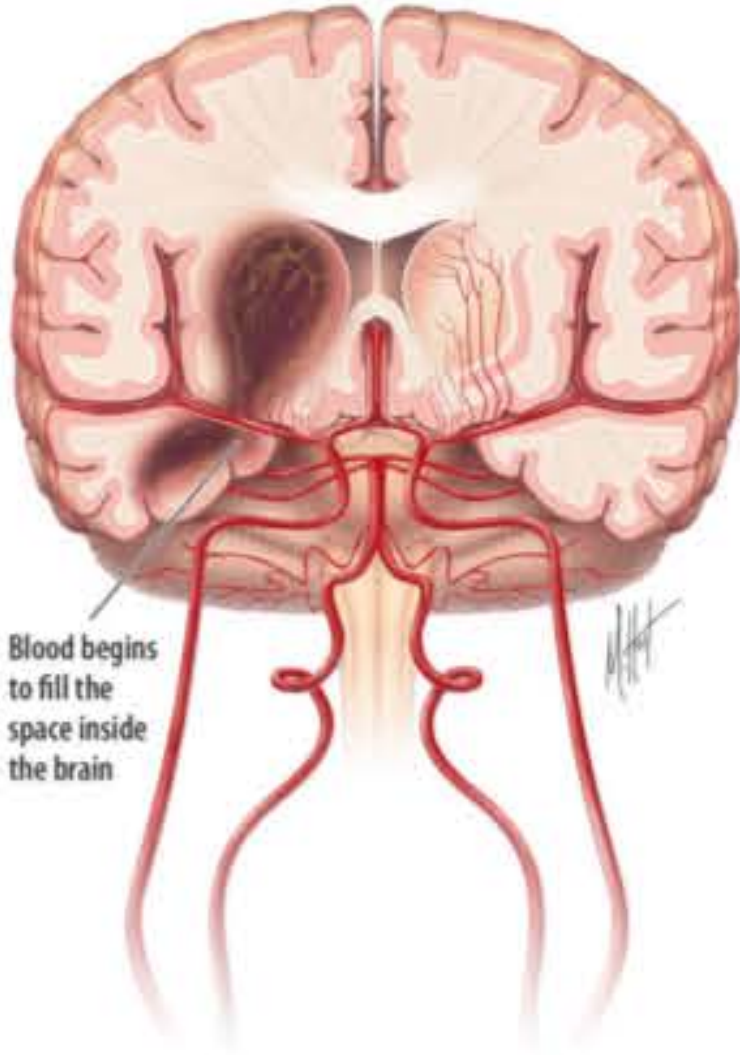


Leading Telemedicine Services

1. Gap Services  Teleradiology
2. Urgent Services  **Telestroke**
3. Mandatory Services

Strokes

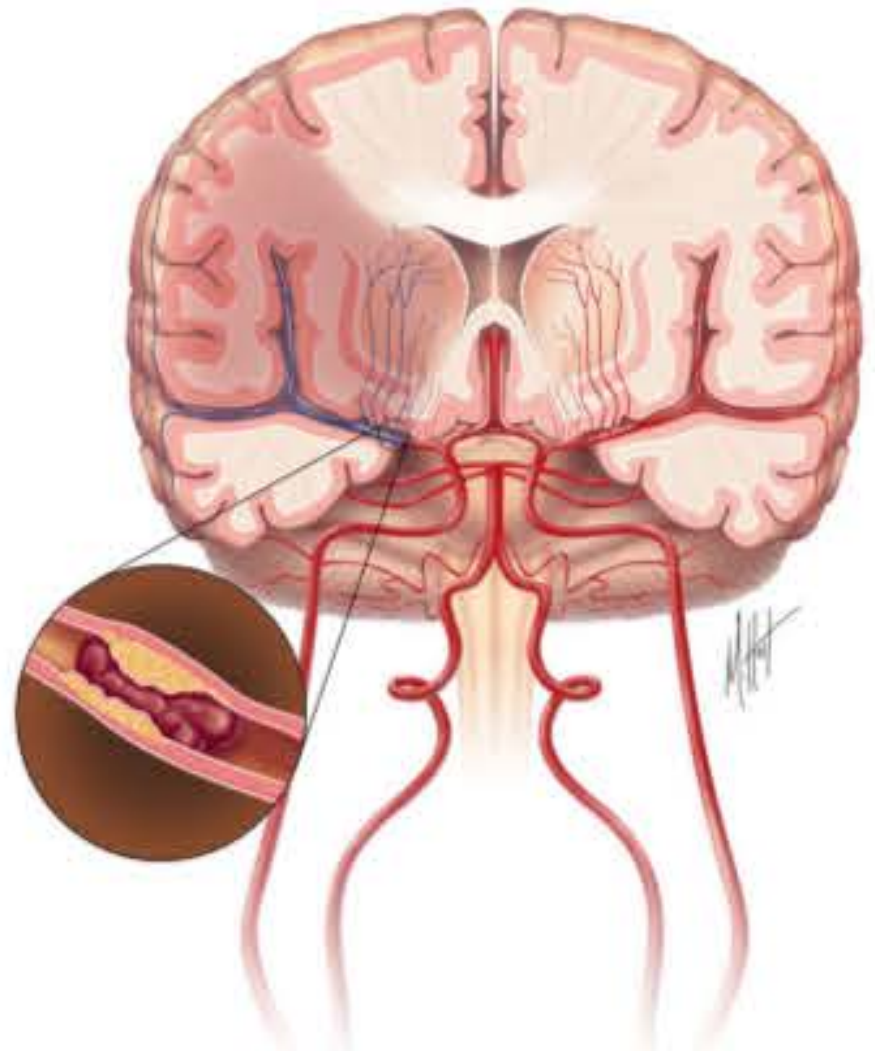
Haemorrhagic (13%)



Blood begins to fill the space inside the brain

Caused by blood vessel rupture.

Ischemic (87%)



Caused by blockage of blood vessel.

Telestroke Evaluation

Patient History

Physical Examination

CT Scan

Phoenix Area

Barrows



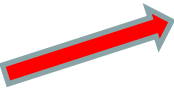


TeleStroke
Supporting Community Hospitals



ResolutionMD mobile.



Leading Telemedicine Services

1. Gap Services  Teleradiology
2. Urgent Services  Telestroke
3. Mandatory Services  **Infectious Diseases**

TELEMEDICINE SERVICES

Post-internet

Telemedicine & Telehealth Services

1. *Gap Services*
2. *Urgent Services*
3. *Mandatory Services*

4. Mobile Telehealth

5. Direct-to-Consumer Telehealth



<https://ihealthlabs.com/wireless-scales/ihealth-core/>

Images intended as examples of technology and not as an endorsement of companies or products.


Connected Health/Mobile Health



Telemedicine & Telehealth Services

1. *Gap Services*
2. *Urgent Services*
3. *Mandatory Services*
4. Mobile Telehealth
5. Direct-to-Consumer Telehealth

Tucson Daily Star February 24, 2019



The advertisement features a dark teal background. On the left, the 'TMC NOW' logo is displayed in white, with a hand holding a smartphone showing a doctor's face. To the right, there are three icons: a stethoscope, a clock, and a group of people. Text boxes describe the app's benefits: 'Talk to a doctor anytime, anywhere you happen to be', 'Prompt treatment, median call back in 10 minutes', and 'A network of doctors that can treat every member of the family'.

TALK TO A DOCTOR NOW

Access care anywhere, any place, any time.
The TMC Now app gives you 24/7 access to physicians that are licensed to practice in Arizona through the convenience of phone, video or mobile app visits. It's an affordable option for quality medical care.

Talk to a doctor for only \$49.
Use promo code **FESTIVAL10** for **10% OFF** your first visit.
Expires 3/31/19. One code per person.

GET THE CARE YOU NEED

Our doctors can treat many medical conditions, including:

- Cold and flu symptoms
- Allergies
- Pink eye
- Ear infection
- Respiratory infection
- Sinus problems
- Skin problems
- ...and more.

[tmcaz.com/tmcnow](https://www.tmcnow.com)

TMC NOW DOWNLOAD THE APP **FREE TODAY!** Tucson Medical Center

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Tucson Daily Star January 6, 2019

Arizona Daily Star / Monday, January 6, 2019



TMC NOW

TALK TO A DOCTOR NOW

Talk to a doctor, anytime, anywhere you happen to be.

Primal treatment, medical advice in 10 minutes.

A network of doctors that can treat every member of the family.

Access care anywhere, any place, any time. The TMC Now app gives you 24/7 access to physicians that are licensed to practice in Arizona through the convenience of phone, video or mobile app visits. It's an affordable option for quality medical care.

Talk to a doctor for only \$49. Use promo code **STAR10** for 10% OFF your first visit. Expires 2/28/19. One code per person.

Download on the App Store | Download on Google Play

tmc.com/tmcnow

DOWNLOAD THE APP FREE TODAY!

Tucson Medical Center

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Our doctors can treat many medical conditions, including:

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- ... and more

TMC NOW DOWNLOAD THE APP FREE TODAY!

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- **GET GREAT CARE YOU NEED**
- Cold & flu symptoms
- Allergies
- Pink eye
- Ear infections
- Respiratory infection
- Sinus problems
- Skin problems
- ... and more

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Register for Virtual Visits now to save time later.



See a doctor whenever, wherever.

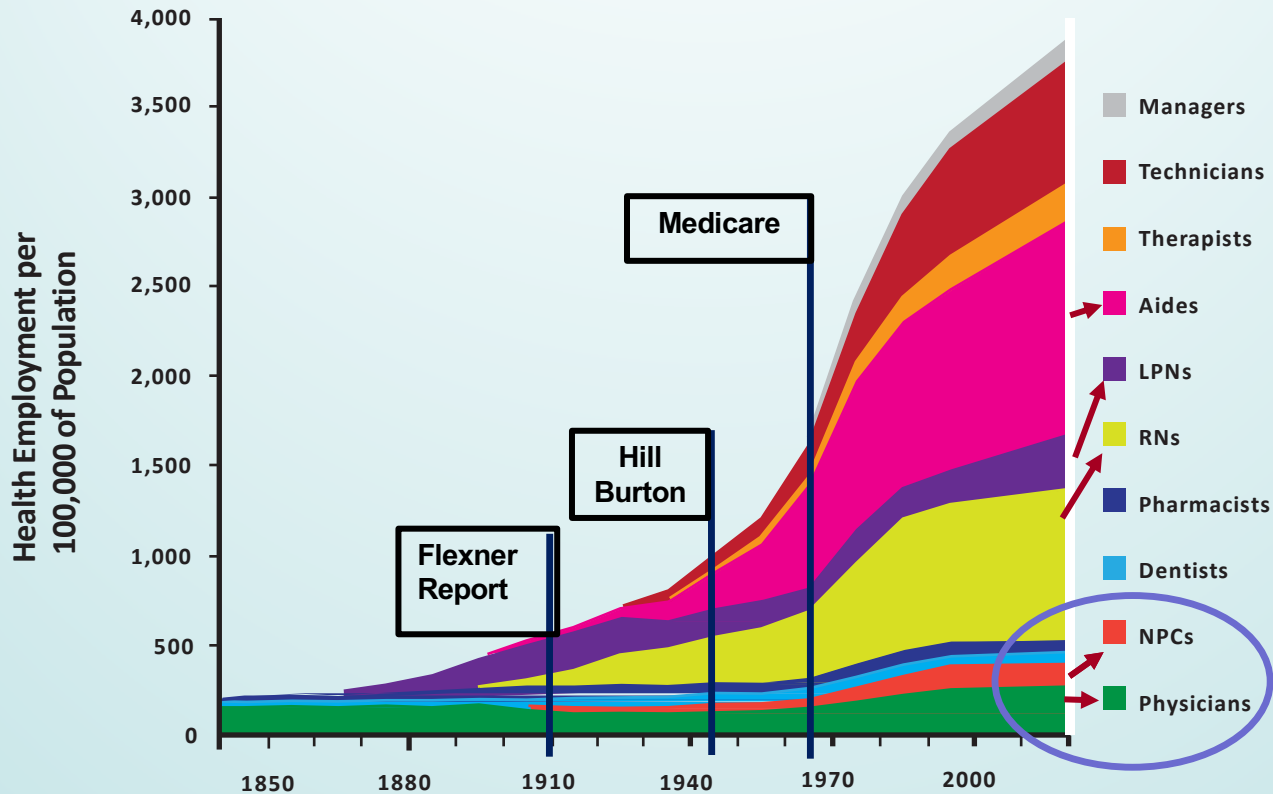
Get registered for Virtual Visits now, so you're ready for cold and flu season — and can see the doctor without having to leave home.

[Register Now](#)

Start feeling better faster.

A Virtual Visit lets you see and talk to a doctor on your mobile device,* tablet or computer. The doctor can give you a diagnosis and even write a prescription** if needed. No appointment necessary — it's available 24/7. And, with your UnitedHealthcare plan, your cost is \$50*** or less.

Physicians, Non-physician Clinicians, and other Health Workers 1850-2010



Adapted from Kendix and Getzen,
and the Bureau of Labor Statistics

TELEMEDICINE SERVICES



10:10
66°



98point6

Questions!

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