

# **Telemedicine Applications**

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# Telemedicine

- Modalities
- Services

# Telemedicine

- Modalities
- Services

# Modalities

Visual

Auditory

“Talk is the treatment”

# Modalities

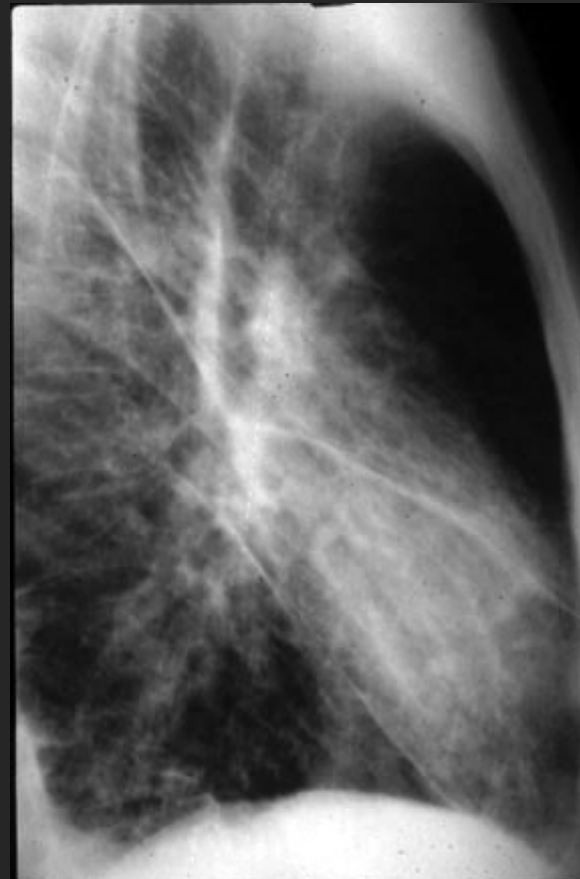
Visual

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 groups**
- **Hospice care**



# Telepsychiatry



# Cancer Genetic Counseling



# Support Groups

## Breast Cancer Survivor Support Group Training





# Telemedicine

- Modalities
- Services

# **TELEMEDICINE SERVICES**

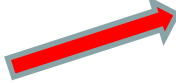
## **Pre-internet**

## **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

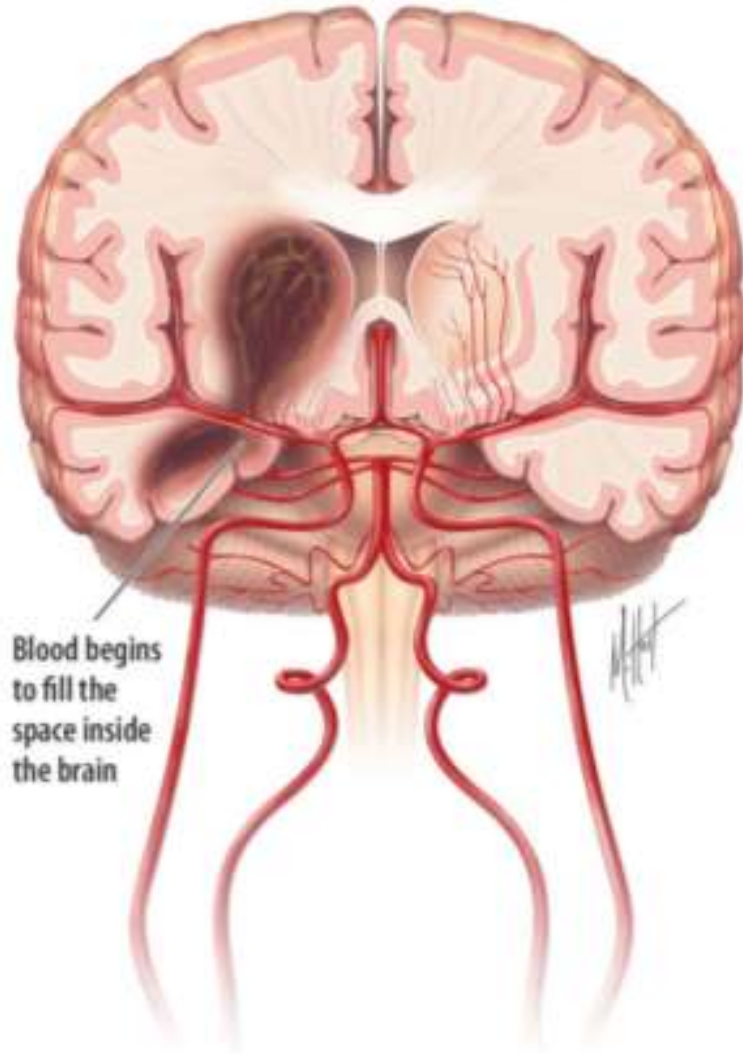


## Leading Telemedicine Services

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

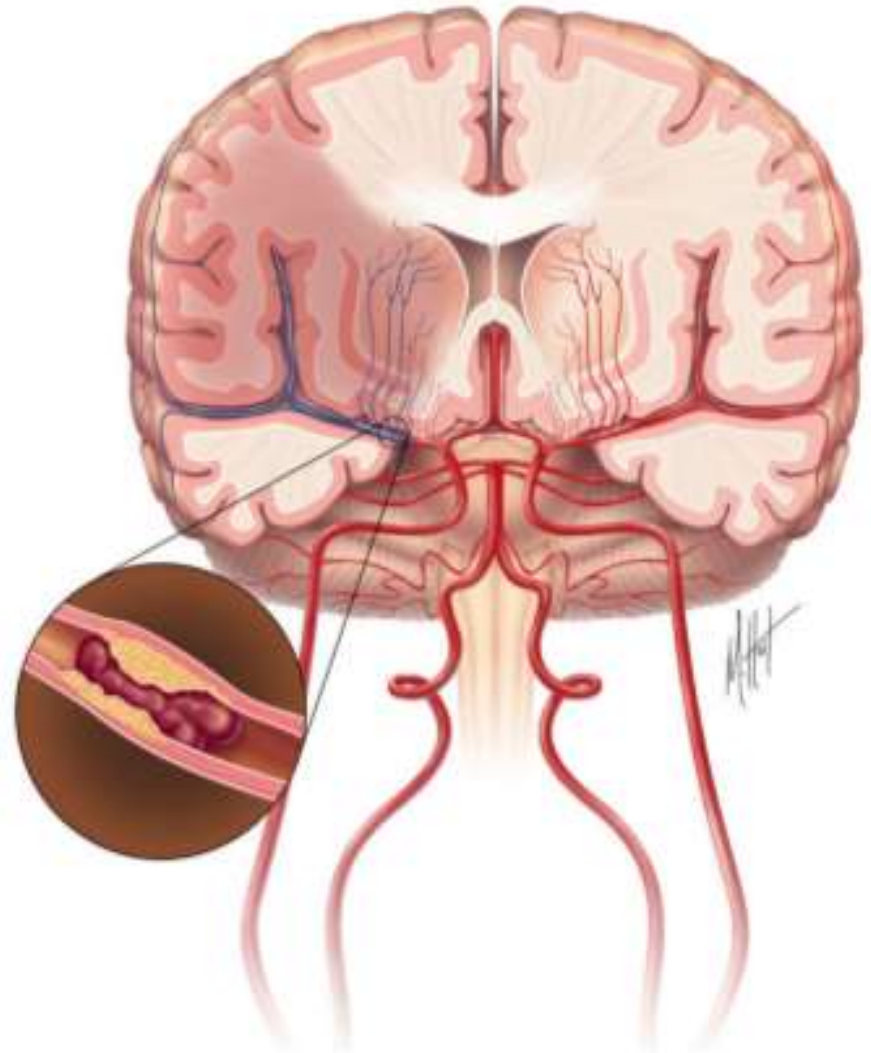
# Strokes

Haemorrhagic (13%)



Caused by blood vessel rupture.

Ischemic (87%)



Caused by blockage of blood vessel.

# Telestroke Evaluation

Patient History

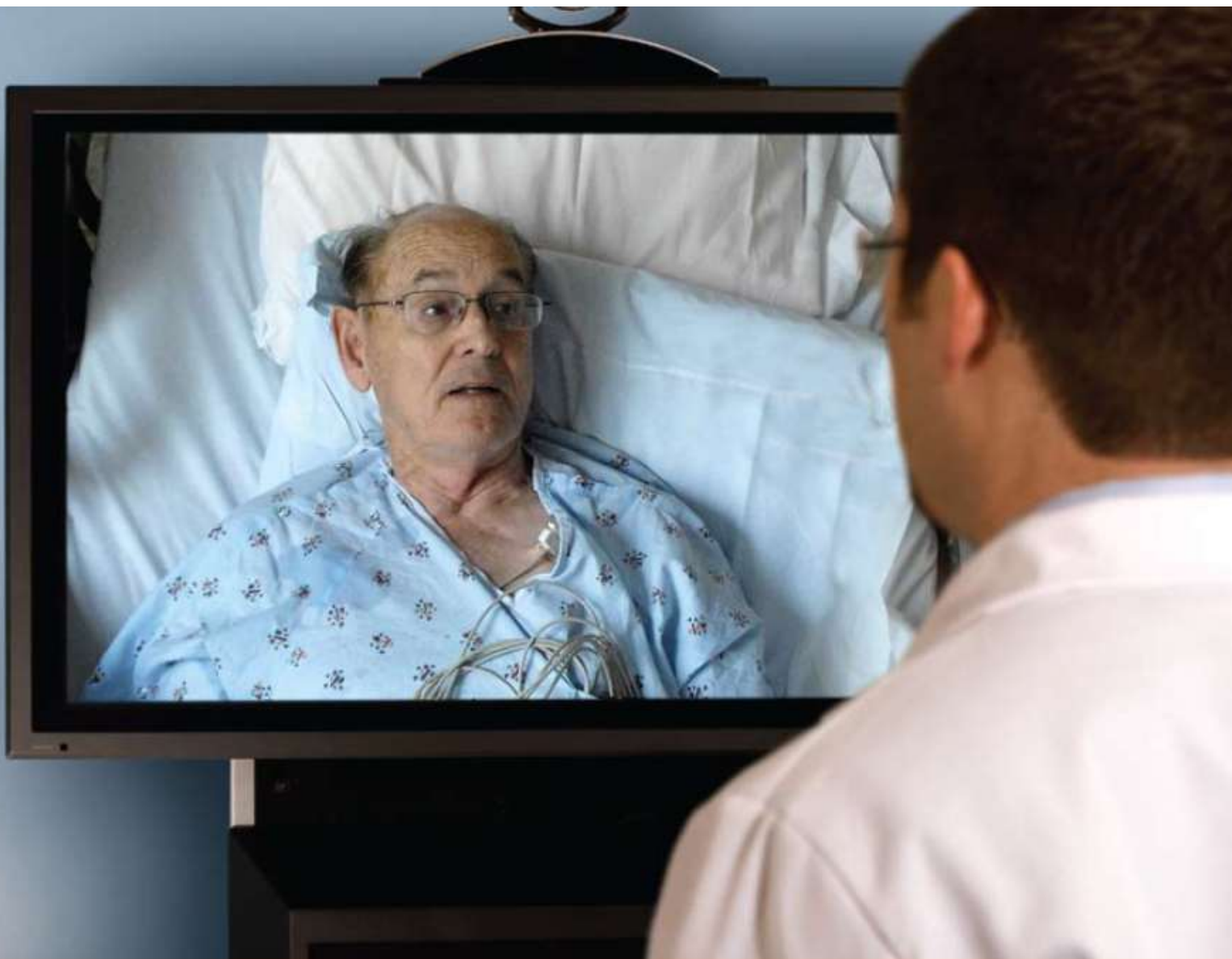
Physical Examination

CT Scan



*Phoenix Area*

Barrow Neurologic Institute



**TeleStroke**  
Supporting Community Hospitals



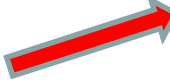


# ResolutionMD mobile.



American Heart  
Association   
*Learn and Live*

**Demaerschalk B M et al. Stroke 2012;43:3098-3101**

## 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



Talk to a doctor  
anytime, anywhere  
you happen to be



Prompt treatment,  
median call back in  
10 minutes

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.


 

[tmcaz.com/tmcnow](http://tmcaz.com/tmcnow)


### 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.



DOWNLOAD THE APP  
**FREE TODAY!**



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# Tucson Daily Star

## January 6, 2019



**TMC NOW**

**TALK TO A DOCTOR NOW**

Take to a doctor. Anytime, anywhere. Your doctor is just a tap away.

Personal treatment. Medical chat back 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

[tmcaz.com/tmcnow](http://tmcaz.com/tmcnow)

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- **GET GREAT CARE YOU NEED**
- Cold & flu symptoms
- Allergies
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- Skin problems
- ... and more

# Direct-to-Consumer Telehealth

United HealthCare Virtual Visits



<https://www.youtube.com/watch?v=gnVmHZRSONQ>

# Direct-to-Consumer Telemedicine

## American Well



<https://www.youtube.com/watch?v=sBryMAxi5tE>

## TELEMEDICINE SERVICES



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**Questions!**

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