

Tele health services



- **Tele-health**: The use of communications and informational technology to deliver health care services and information over large distance.
- **Tele-nursing** : is defined as the practice of nursing over distance using telecommunications technology.

National council of state board of nursing (NCSBN), 1997

- **Tele-nursing**: is the use of telemedicine / telehealth technology to deliver nursing care and conduct nursing practice.

Encyclopedia of Nursing Research, Fitzpatrick J.ed, 1999

- **Tele-nursing**: refers to the use of telecommunications technology in nursing to enhance patient care it

Involves the use of electromagnetic channels to **transmit voice, data** and **video** communication signals.

International Council of Nurses(ICN), 2001

- **Tele-nursing**: is the delivery, management , coordination of care and services provided via telecommunications technology within the domain of nursing. American association of Ambulatory Care

Nursing (AAACN) 2004



Tele-health is the use of digital information and communication technologies, such as computers and mobile devices, to access health care services remotely and manage of health care.

Tele-Nursing
is a part of Tele-health

Tele-Nutrition , Tele-pharmacy ,
Tele-psychology, Tele-neurology



Virtual Hospital uses Tele-health to deliver medical care to the developing world



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The goals of Tele-Health services

- Make health care accessible to people who live in **rural or isolated communities.**
- Make services more readily available or easiest for people with limited mobility, time or transportation options.
- Provide access to medical specialists.
- Improve communication and coordination of care among members of a health care team and a patient.
- Reduced hospitalizations and visits
- Cost-effective method of service delivery

History of Tele-Health

1905

William Einthoven
transfers
electrocardiograms
electronically

1990s

Telemedicine
matures;
wide-spread
acceptance of
teleradiology
practices

1960s

First used by NASA
to monitor health
of astronauts in
space

Now

Telehealth seen as
a viable means for
improving access,
.decreasing costs

Methods and modalities

- Phone calls
- Phone conferencing
- Videoconferencing
- Internet
- Store-and-forward imaging
- Streaming media
- Wireless communications

New Innovations in Telehealth

- ✓ Streamlined processes and connectivity
- ✓ Mobile Apps & Mobile Browsers
- ✓ Tele-Vitals
- ✓ Bluetooth Devices





The limitations of Tele-Health

- ❑ Complex Tele-health Equipment**
- ❑ Not all people have knowledge in dealing with modern technologies and programs**
- ❑ limited related to internet availability or the cost of mobile devices.**
- ❑ Security and Privacy**
- ❑ Difficult access to remote area**

The Future

- The technology associated with home telehealth will become much more developing and integrated over time.
- Monitoring equipment will become more affordable
- Home monitoring systems will be integrated monitor safety and functionality

- **Emergency response devices, environmental safety monitors, motion sensors, activity of daily living measures and a host of other equipment will be integrated, providing a much more comprehensive view of the patient, their physical status and ability to function.**

My suggestions about Tele-Health

- I suggest opening Tele-health centers in every governorate in Iraq.
- Design a Mobile and computer applications programs facilitate communication with these centers.
- Diversification in Tele-health services for different specialties such as nursing, **mental health, elderly** care and others

