TELEHEALTH HISTORY

1961 FIRST TELE-PSYCHIATRY
BEGAN AT UNMC
LEASED TWO-WAY MICROWAVE
OMAHA: UNMC
NORFOLK:
STATE REGIONAL CENTER
GRANT – NATIONAL INSTITUTES
OF MENTAL HEALTH
300 HOURS
CLINICAL TELE-PSYCHIATRY
TELEHEALTH HISTORY

ANNUAL TRANSMISSION COST = $48,000

IN TODAY’S DOLLARS THAT IS:

$354,937
Nebraska Statewide Telehealth Network (NSTN)
EXPANDING OUTREACH: TELEHEALTH & EDUCATION

TELEHEALTH
NURSING HOMES / CARE CENTERS
PHYSICIAN & PROVIDER CLINICS / HOMES
PATIENT HOMES

EDUCATION
RESIDENTS / STUDENTS – HOME AND WORK
NURSING HOMES & CARE CENTERS STAFF
PHYSICIAN & PROVIDERS CONTINUING EDUCATION
PATIENTS / COMMUNITY
SELECTION CRITERIA

✓ OPERATE WITH EXISTING UNMC VIDEO SYSTEMS
✓ OPERATE WITH EXISTING TELEHEALTH NETWORK
✓ DEPLOY ON ANY DEVICE (PC, Mac, I-Pad, I-Phone)
✓ QUALITY VIDEO & AUDIO – HIGH DEFINITION
✓ MAINTAIN QUALITY ON PUBLIC INTERNET
✓ EASY TO USE
✓ ON-DEMAND CALLING
✓ SECURE
✓ LOW COST
VIDYO – HD QUALITY SELECTED

- SERVERS LOCATED IN UNMC’S DATA CENTER
- SECURITY: ENCRYPTION / CERTIFICATES
- TENANTS (GROUPS) FOR PERMISSIONS
- WEB-BASED CLIENT DOWNLOAD SOFTWARE
- ON-DEMAND CALLING
- VIRTUAL “ROOMS” FOR MEETINGS
- MAY INVITE “GUESTS”
- SHARE DESKTOP FOR PRESENTATIONS
BEHIND THE SCENES – COMPLEX
BUT FOR THE USER IT IS EASY
WHAT’S NEEDED . . . .

1. WORKSTATION (PC or MAC) or I-PAD, I-PHONE, ANDROID

2. WEBCAM (WE LIKE LOGITECH 920)

3. BROADBAND INTERNET (WIRED IS BETTER)

4. VIDYO CLIENT SOFTWARE
CURRENT USES

- TELEPSYCHIATRY CONSULTATIONS
- CLINICAL ENCOUNTERS – NURSING HOMES
- TELEPHARMACY
- GRAND ROUNDS – RURAL RESIDENTS
- PILOT PROJECT – TELEHEALTH NETWORK PROVIDERS, NURSING HOMES & CLINICS
- EDUCATION
- TELE-WORK : WORK @ HOME / TRAVEL
COMMON USER PROBLEMS

USING AN INADEQUATE NETWORK

>> WIRELESS HOME / PUBLIC or POOR 3G / 4G

INTERNET SERVICE ISSUES (BANDWIDTH)

WORKSTATION MINIMUM REQUIREMENTS

>> CPU, RAM, OLDER OPERATING SYSTEMS

AUDIO DEVICES

>> BUILT-IN LAPTOPS (Sometimes a Problem)
UNMC NURSING HOME VIDYO SITES

1 Newman Grove
2 St. Edward
3 York
4 Cambridge
5 Burwell
6 Lincoln
7 Stuart
8 Omaha
9 Mullen
QUESTIONS?

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