

Tele-Informatics for Chronic Patients in Thailand

Vanida Mongkolsinh



Why do I choose this topic?

Why does it matter to me?



**Lots of patients are waiting, waiting and
waiting..... .**









וְהָיָה כִּי יִשְׁמַע יְהוָה אֶת צוֹן בְּנֵי יִשְׂרָאֵל וְהוֹדָה יְהוָה וְשָׁבָה מִן הַיָּם וְהִשְׁמַח יְהוָה בְּעַמּוֹ וְיִשְׂרָאֵל יֵאמְרוּ יְהוָה עָלֵינוּ עָשָׂה כֵּן וְכֵן וְיִשְׂרָאֵל יֵאמְרוּ כֵּן וְכֵן עָשָׂה יְהוָה עִמָּנוּ וְיִשְׂרָאֵל יֵאמְרוּ כֵּן וְכֵן עָשָׂה יְהוָה עִמָּנוּ וְיִשְׂרָאֵל יֵאמְרוּ כֵּן וְכֵן עָשָׂה יְהוָה עִמָּנוּ

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Around the world, people are living longer and striving to lead independent, happy, and healthy lives.

At the same time, we are seeing dramatic rise in the number of people with chronic conditions such as diabetes and congestive heart failure-and high costs associated with managing and treating these conditions.

Generalized Linear Model (GLM)

- Gaussian
- Logistic
- Poisson (count)
- Negative Binomial (count)
- Gamma (continuous)

Associated with high costs

Country	Extrapolated Prevalence	Population Estimated Used
Ägypten	10,000,000	75,000,000
Frankreich	10,000,000	65,000,000
Indien	10,000,000	1,000,000,000

2004
 2004

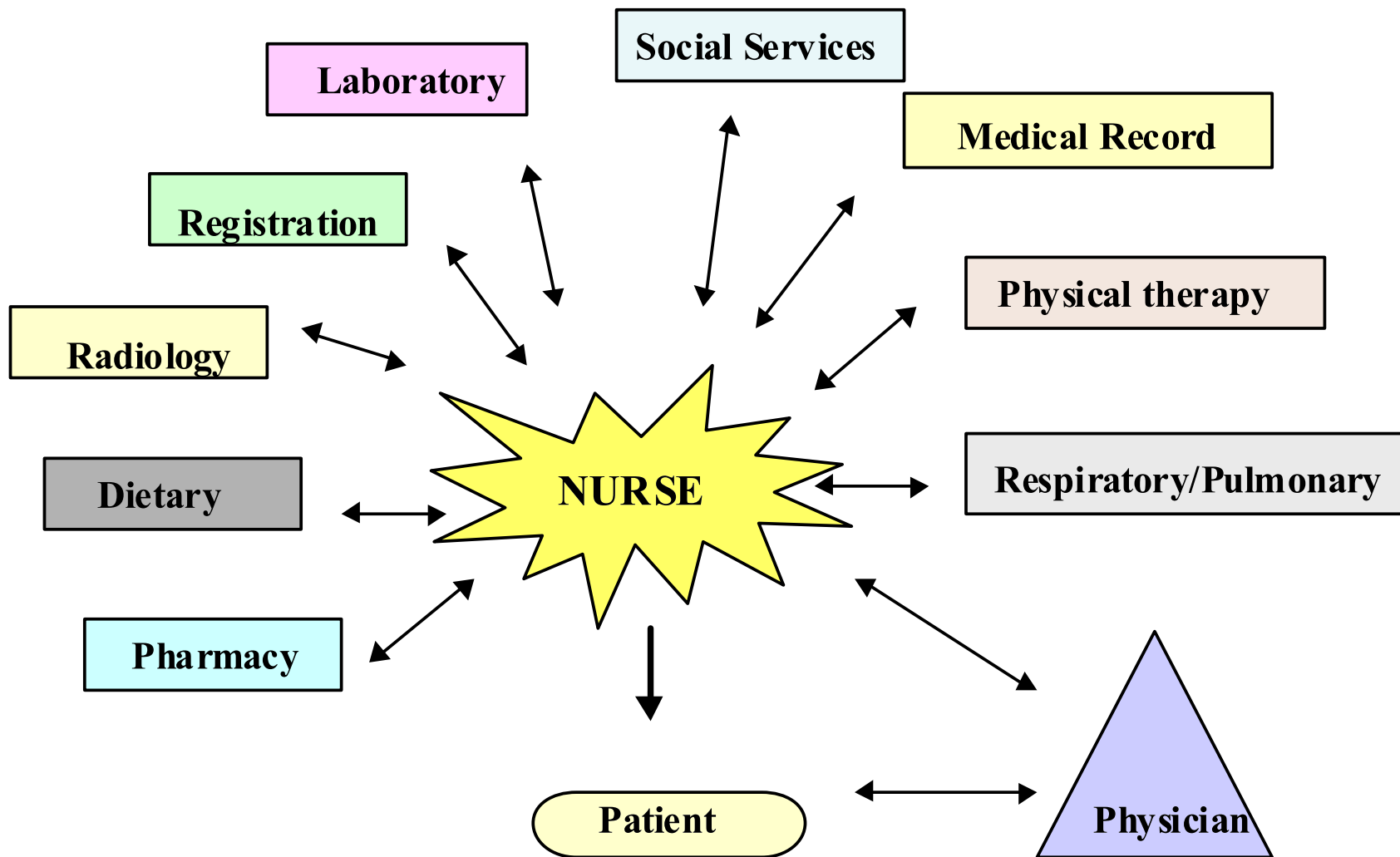
2005, 133 **U.S. Supreme Court**
decided that the
Constitution

requires that 10% **of the**
population

be at least 75% **of the**
total population



How can nurses bring smiling faces back to chronic patients



The nurse act as a hub for patient information processing.

Healthcare professionals
are not

Healthcare professionals
are not
Healthcare professionals
are not
Healthcare professionals
are not



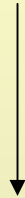
New approach

Nurses act as a hub, so we can do something with this opportunity to inform patients.

Family needs

- **වෛද්‍ය ආප්තිය** වැඩිපුරකර ගැනීම සඳහා සහතික කළ යුතුය
- **ප්‍රවේශන මාර්ග** සඳහා පුද්ගලිකව සහ සමාජිකව සහාය වැඩිපුරකර ගැනීම
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Transitioning to an integrated digital nursing services requires comprehensive solutions, careful planning, and significant change in the way we work.

What does it mean?

□ Tele - :

Çağırma
Çağırma ile ilgili

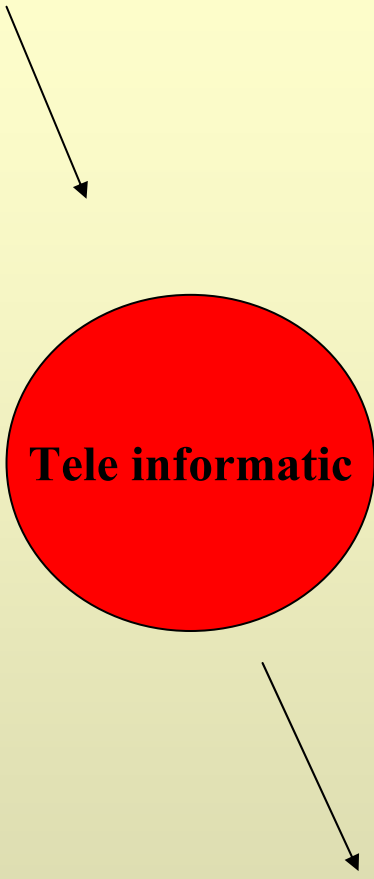
□ Informatics :

Çağırma ile ilgili
Çağırma ile ilgili
Çağırma ile ilgili

□ Chronic :

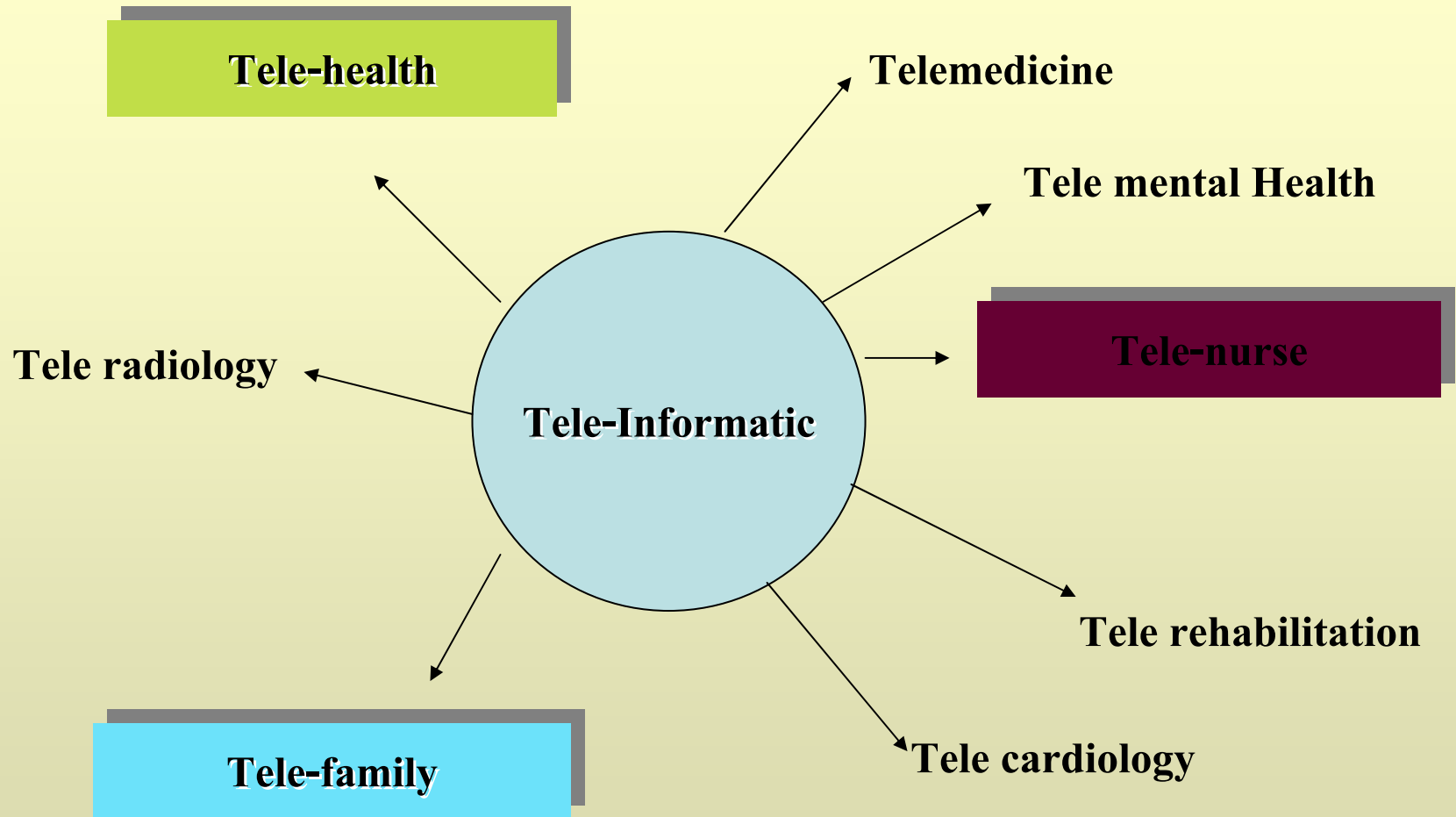
Çağırma ile ilgili
Çağırma ile ilgili
Çağırma ile ilgili

◦ Teleinformatics
◦ Teleinformatics
◦ Teleinformatics
◦ Teleinformatics



◦ Teleinformatics
◦ Teleinformatics
◦ Teleinformatics
◦ Teleinformatics

We may have heard of....



3. Գործընթացի շարունակումը

Շարունակելով աշխատանքը
հարկադրված ենք շարունակել
հարկադրված ենք շարունակել
հարկադրված ենք շարունակել
հարկադրված ենք շարունակել





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CARENETTM



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- o $\int_{\mathbb{R}^n} \delta(x) dx = 1$ (normalization)
- o $\int_{\mathbb{R}^n} \delta(x) f(x) dx = f(0)$ (sifting property)
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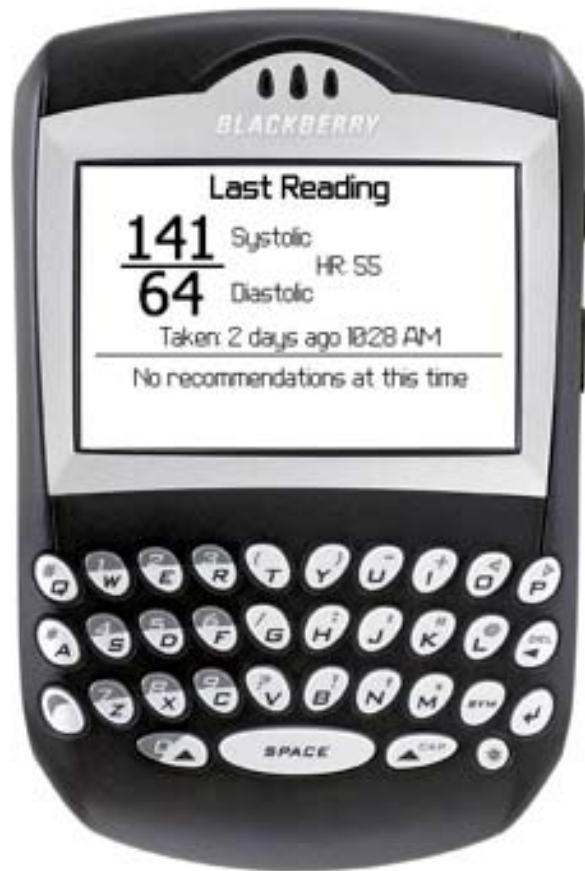


Figure 2 - BlackBerry³ BP client application

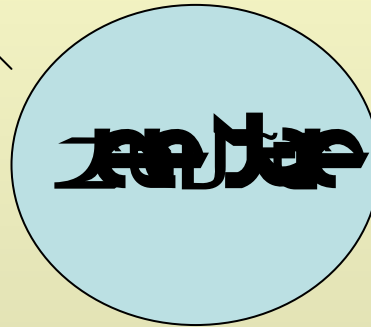
GERIATRIC NURSING

Patient education

Nursing teleconsultations

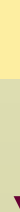
Examination of results of
medical tests and exams

Assistance to physicians in the
implementation of medical treatment
protocols



Call Center (RN)

- Case managers
- Perform patient triage,
information and
counselling



Decrease the use of emergency rooms

Telenursing Applications includes....

Telenursing center

Video consultation

Videoconference

Internet

Mobile unit

**Telephone-based
system**

videophone

**Online support
group**

Video house calls

Therefore ...

- 1. Connects health care facility**
- 2. Sophisticated management of chronic diseases**

အမည်အားဖြင့်

၀ ဝေလီပျော်ပျော် ချစ်ချစ်တစ်ဖွဲ့ ဝေလီပျော်
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Health

Decrease time and distance



**Increase access to information and
improve health**

I ԸՆԴՀԱՆՈՒՄ ԵՄ

- Տարածված է ընդամենը Եվրոպայի և Ասիայի մասերում, որտեղ հաճախ հանդիպում ենք նաև այլ տեսակի ճեղքատեսակներին:
- Հաճախ հանդիպում ենք նաև այլ տեսակի ճեղքատեսակներին, որոնք հաճախ հանդիպում ենք նաև այլ տեսակի ճեղքատեսակներին:
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הנחיה זו עולה בקנה אחד עם
הנחיה הכללית להגן על
"החיים"

Let's talk to our patients

“Nurses are better educated, more knowledgeable, and are science-oriented.

Yet the patients, for all the superb physical and technical improvements in his environment, **feel lonely and even abandoned because nobody cares for them as persons”**.

Kirsten Stalknecht

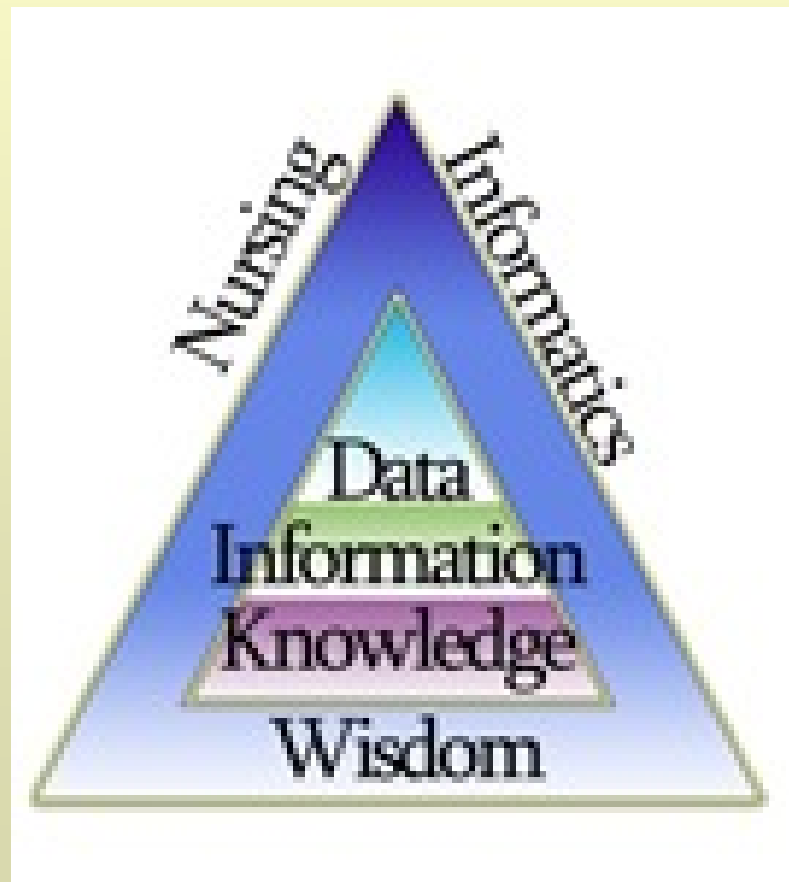
പ്രകാശം വന്നപ്പോൾ
മുഴുവൻ പ്രകാശം

പ്രകാശം വന്നപ്പോൾ
മുഴുവൻ പ്രകാശം

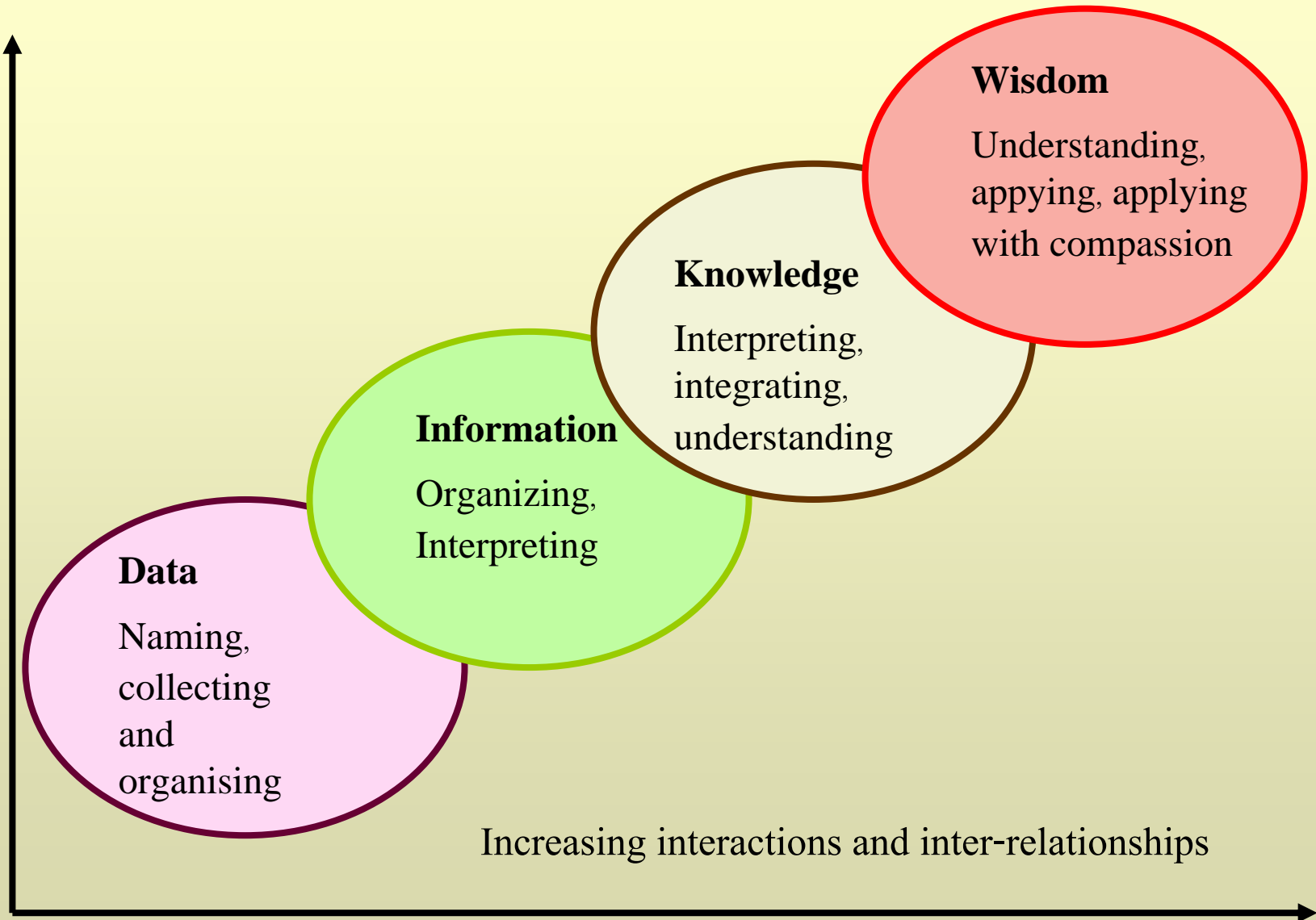
لَا يَخْفَىٰ عَلَى اللَّهِ سِرُّكُمْ وَلَا أَنفُسِكُمْ أَن تَأْخُذُوا
بِأَيْدِيكُمْ فِي الْأَمْوَالِ الَّتِي لَكُمْ وَأَن تَكُونُوا
بِأَعْيُنِنَا قَدْ خَلَقْنَاكُمْ وَإِن نَّؤْتِيكُم مَّا
رِزْقًا جَدِيدًا لَأَن نُّبَدِّلَ فِيكُمْ مَرْغُوبًا
وَأَن نُّعَذِّبَكُمْ بِمَا كُنتُمْ تَعْمَلُونَ

5
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second feature of the
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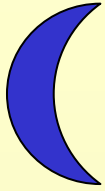
The Nursing Context



Increasing complexity



Source: The Nelson data to wisdom continuum



The question is for what are we waiting?



***Although change always elicits some fear
because it holds the unknown and unfamiliar,
but we have to change before we have to be
changed.***



Florence Nightingale at the Keyboard