

A New ICT System to support Citizens in accessing the Regional Health Service

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Regione Umbria

Umbria Region

Some Numbers

900.000 inhabitants

750 general practitioners

180 paediatritions

4 milion elettronic specialistic appointments

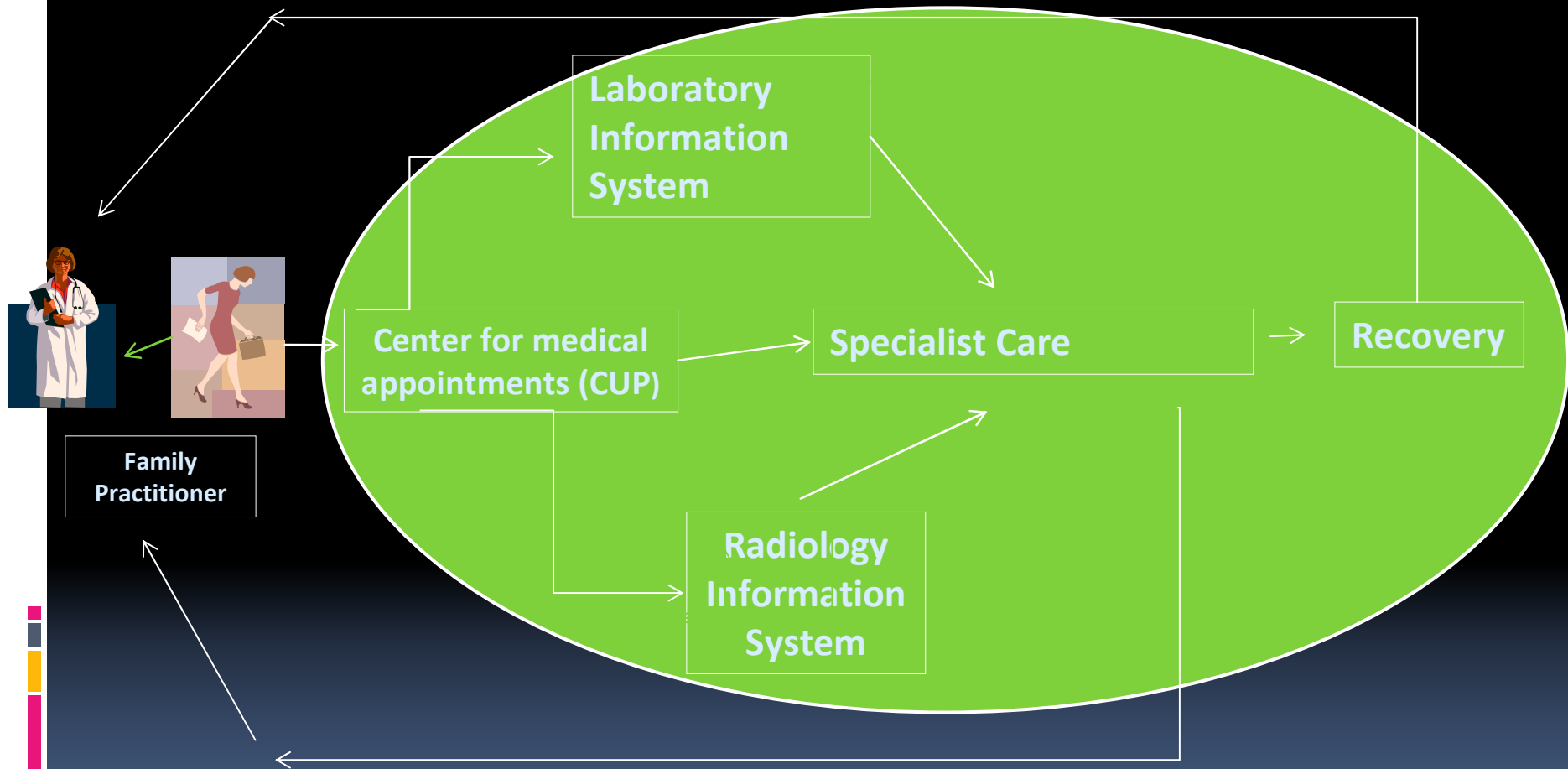
10 million pharmaceutical prescriptions

30% of all laboratory analysis results accessed
in internet by citizens

Chronic disease prevalence in the Umbria Region

- 41.000 hypertension
- 40.500 diabetes mellito
- 20.600 oncology
- 9.900 high cholesterol

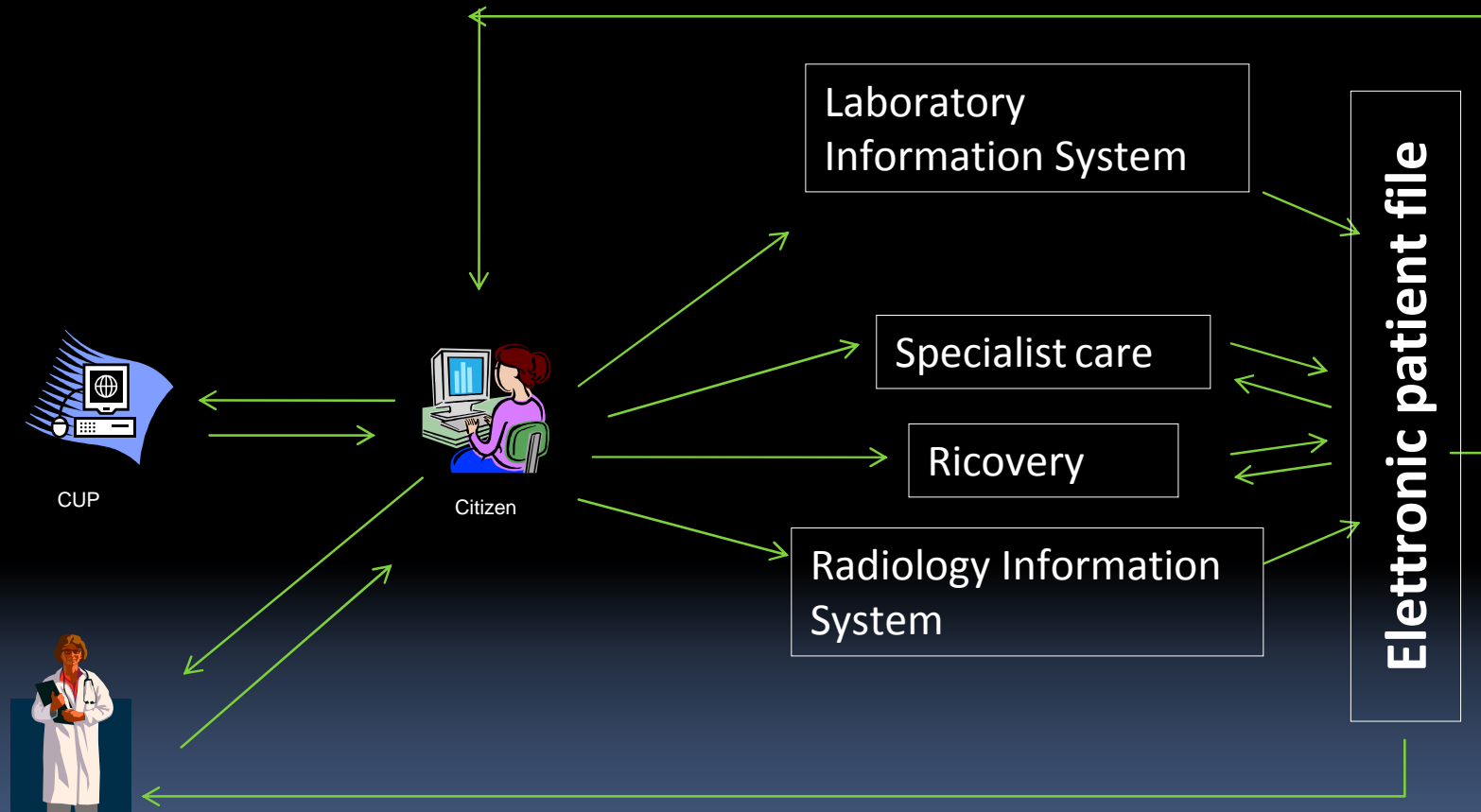
Before the wide-spread use of ICT systems: presently in the transition phase
The Regional Health System is in the center
The citizen had to follow the organizational flow to access health care



The access point to the Regional Health System for citizens/users is the family practitioner who gives indications for care and prescriptions for specialist visits or laboratory analysis. The user continues through the system to a specialist structure or to a laboratory. Medical reports must be collected by the user.

The FUTURE MODEL

as a result of ICT use the citizen/user is now in the center of the health care process



Access to the health system is still via the family practitioner, who gives indications to the citizen/user who can now request specialist visits or analysis directly through the Internet. All medical reports will be held in a central repository which is available on-line by the user. The specialist and the family practitioner can also consult this data, with the consent of the user.

The new model: organization and support systems

Clinical Networks in the Region

- Oncology
- Laboratory
- Radiology
- Rehabilitation
- Mother and child health
- Mental Health
- Pharmacology
- Imaging

Base-line Systems

- Regional Health System registry
- Regional system for appointments
- Regional data system repository
(appointments, laboratory results, imaging results, etc..)

Vertical Systems

- LOGO80 - Oncology information system
- ATHENA - Pathological anatomy information system
- EUROTOUCH - Diabetes information system

The Regional Oncology Network (ROR)

Institutional bodies of the ROR

- Coordinating committee
- Support structure

Objectives of the ROR

- Provide better quality health care
- Sharing of expertise, knowledge and experience: multidisciplinary groups

Organization of the ROR

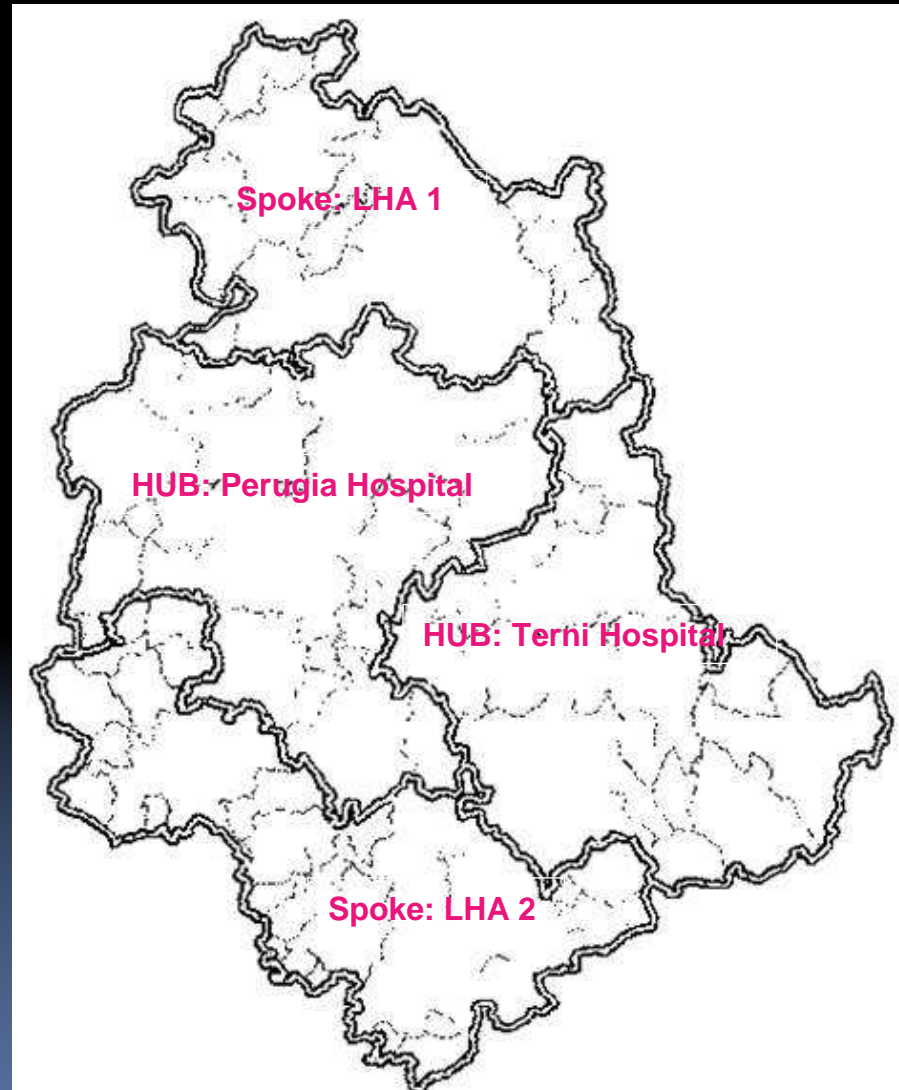
- HUB: high complexity health care structure
- Spoke: peripheral services

Specific objectives of the Oncology Network

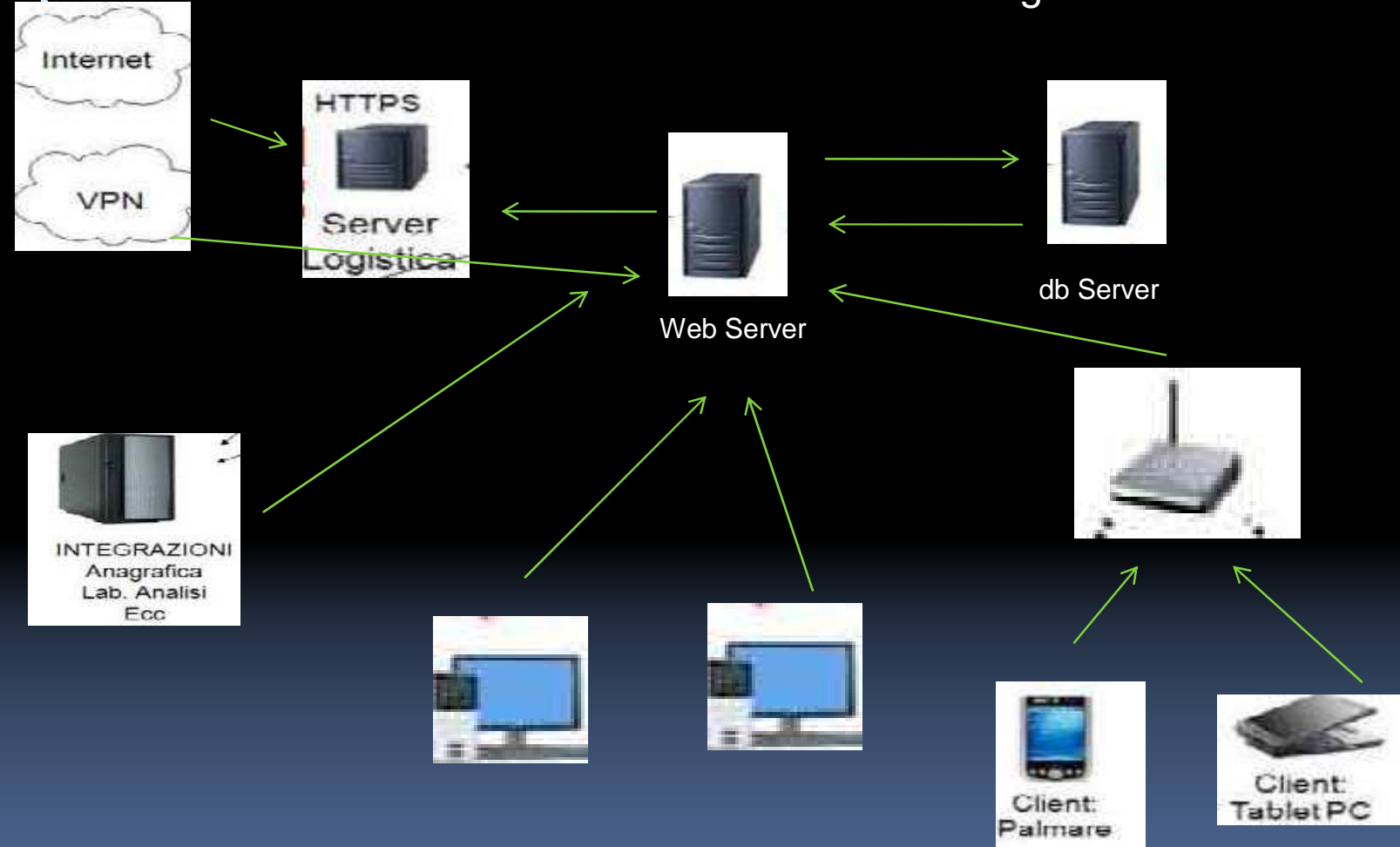
- Equality of services offered
- Uniformity throughout the Region in the organization and management of the services offered
- Identification of possible integration and between different disciplines involved
- Optimizing communication of health information within the ROR
- Rationalization of resources

Nodes of the Regional Oncology Network (ROR)

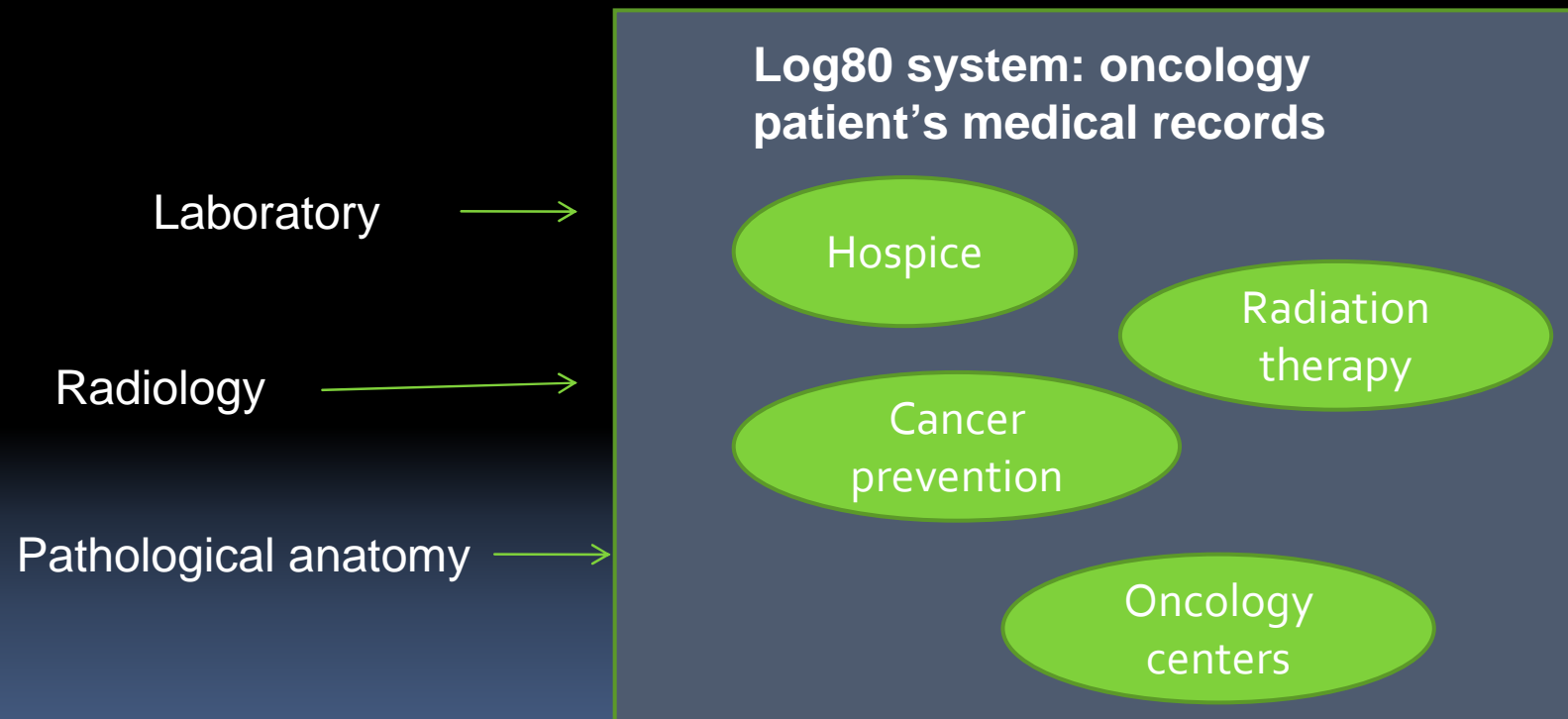
The homogenous distribution throughout the territory of the Region enhances access to health care by the citizen/user. Log80 is the information system that will support this organization



The information system as a support to the Regional Oncology Network – LOG80 TECHNOLOGICAL EQUIPMENT



SHARING HEALTH INFORMATION



Log80 is fed by health data and documents to support the care of oncology patients

COMPUTERIZED MANAGEMENT OF ONCOLOGY THERAPIES

Standardization of information

Computerized prescription therapy



Therapy preparation

Control and confirmation of pharmacist prescription



Controlled subministration of therapy

The doctor prescribes the therapy on the basis of standard protocols, the therapies are then validated by the pharmacist . This is followed by the preparation and subministration of the therapy.

QUALITY CONTROL IN THERAPY DELIVERY



Electronic monitoring using the barcode

- Identity of the patient
- Therapy
- Dose
- Sequence
- Infusion



The therapy has a bar code containing the information listed above. The patient has a bracelet which contains personal information. Correct patient therapy is controlled by reading and comparing the two codes.



THANK YOU FOR YOUR
ATTENTION