OVERVIEW of QUALITY POLICIES in HEALTHCARE in EUROPE

for partners of MediTec Project

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CEESTAHC, DG SANCO, ISO/ITA, EFQM CoP, ESQH, WHO



ISQua

EFQM

Total Quality Management

ISO 9000:2000

5 S: Seiri, Seiton, Seiso, Seiketsu, Skitshuke

Structuralization, Systematization, Sanitation, Standardization, Self-discipline

Existing system of quality management



BASICS of ISQua ACCREDITATION STANDARDS

CLIENT ORIENTED, RESPECT of RIGHTS (EFQM)

- RESPONSIBILITY of PROVIDER for HC QUALITY, MONITORING and CONTINUOUS IMPROVEMENT (EFQM)
- OPTIMAL RESOURCE USE (EFQM)
- RISK MANAGEMENT (EFQM)
- CLEAR PROCESS MANAGEMENT (EFQM)
- ALL ACTIVITIES INCLUDED in STRATEGIC PLANNING (EFQM)
- CONTACT WITH CARE PROVIDERS (EFQM)



FUNDAMENTAL QUESTIONS FOR QUALITY

> Who is the customer?

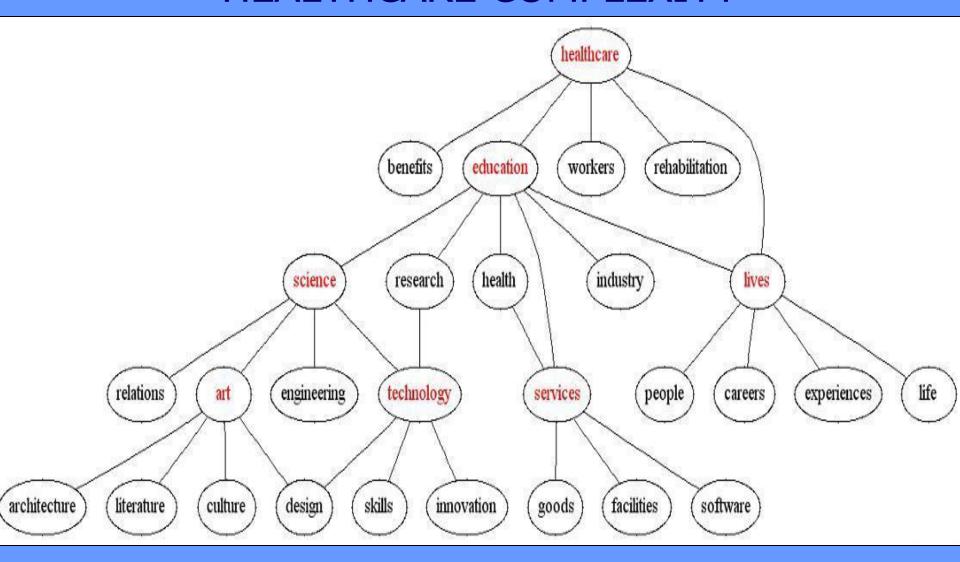
What are the customers needs and expectations?



Quality Definitions

- •Juran: Fitness for use
- •ISO: Quality is the totality of features and characteristics of a product or service that bear on its ability to satisfy **STATED** OR **IMPLIED** needs.
- Crosby: Conformance to requirements.
- •Taguchi: Non-Quality = Deviation from a set target value of a product function.
- •Quality of a product or service is its ability to satisfy the needs and expectations of the Customers.

HEALTHCARE COMPLEXITY





Definition of terms

QUALITY per se is a fuzzy term and as such cannot be exactly measured. We are able to measure it's elements. This is the reason for quality **decomposition** into elements, usually referred to as STANDARDS. Each standard reflects an element of provided care. **STANDARD** (Fr.,Eng.) is a level of efficiency accepted by professionals with respect to available resources. Synonymous is NORM (Lat.). If a standard is immeasurable, it can be further decomposed into standard related CRITERIA. Criteria must be measurable.

- **CRITERION** is the level of achievement of the STANDARD. Each criterion must be exactly defined, to enable evaluation if it has or has not been fulfilled.
- AUDIT is a single measurement of quality somewhere between a criterion and a standard. It has a retrospective or concurrent character.

Definition of terms

- INDICATOR of quality is a "signal" used for comparing numerical data originating in various places or time spans. Indicators find their use in monitoring, evaluating and in quality comparison.
- **GUIDELINE** is a recommended process of decision between possible variants. Synonymous with a treatment pathways. It is formed by protocols, standards and criteria. It has a prospective character.
- PROTOCOL is an authoritative pathway of care without possible variations.

Quality health care targets to maximize patient health benefits and the expected benefits in all phases of the process of care must be higher than the cost of care.

BASIC QUALITY in HC BUILDING BLOCKS

- 1. Systems Thinking
- 2. EBM
- 3. HTA
- 4. Standards, guidelines, pathways
- 5. Performance Measurement & Benchmarking
- 6. QM models/systems focused on HC



COUNCIL of EUROPE recommendation

COMMITTEE OF MINISTERS

Recommendation Rec(2001)13 of the Committee of Ministers to member states on developing a methodology for drawing up guidelines on best medical practices

(Adopted by the Committee of Ministers on 10 October 2001 at the 768th meeting of the Ministers' Deputies)

The resolution states that health policies and systems should be based on best available evidence and that incorporated in guidelines. The guidelines may support national decisions on prioritization of needs based on ethical, social and financial issues, structural differences of health care systems and variations in epidemiology and health data. Not purely for cost containment or rationing purposes. Recommendations recognizese the fact that guidelines on best medical practices are developed in variable ways in a complex environment.

FACTS

- The November 1999 report of the Institute of Medicine, entitled "To Err Is Human: Building A Safer Health System", indicated that as many as 44,000 to 98,000 people die in US hospitals each year as the result of medical errors.
- Even using the lower estimate, this would make medical errors the eighth leading cause of death in US—higher than motor vehicle accidents (43,458), breast cancer (42,297), or AIDS (16,516).
- The Report to the President on Medical Errors was issued in February 2000. For more information on medical errors, go www.ahrq.gov/qual/errorsix.htm.



FACTS hospital services

J.A. Muir Gray, Director
of Research and
Development, NHS
Executive, Anglia
and Oxford Region.

"Evidence-Based Healthcare"



NEGATIVE TRENDS

Multitasking

Overload

Scare from blame



BASIC BUILDING BLOCKS



BUILDING BLOCKS

EBM



Definition

"Evidence-based Medicine is the conscientious, explicit and judicious use of current best evidence in making decision about the care of individual patients"

David Sackett BMJ 1996

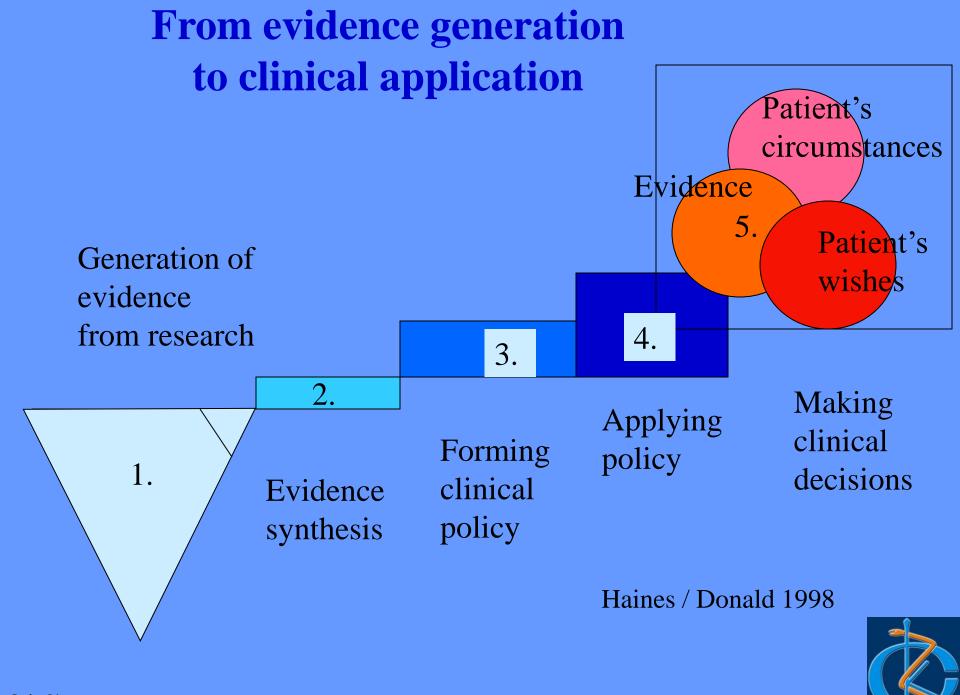


EVIDENCE

Level of Evidence	Evidence Source
la	meta-analysis from randomised controlled studies
lb	single randomised controlled study
lla	non- randomised controlled study
IIb	quasi-experimental study
III	non-experimental descriptive study
IV	expert opinion, consensus conference
V	case report

Cook, Chest 1992





EBM - GUIDELINES - PATHWAYS

The Cochrane Database of Systematic

Reviews: The Cochrane Collaboration

group: http://www.cochrane.org/

Guidelines:

http://www.g-i-n.net/

National Guideline ClearinghouseTM (NGC) http://www.guideline.gov (Agency for Healthcare Research and Quality - AHRQ).

HEALTH TECHNOLOGY ASSESSMENT

HTA

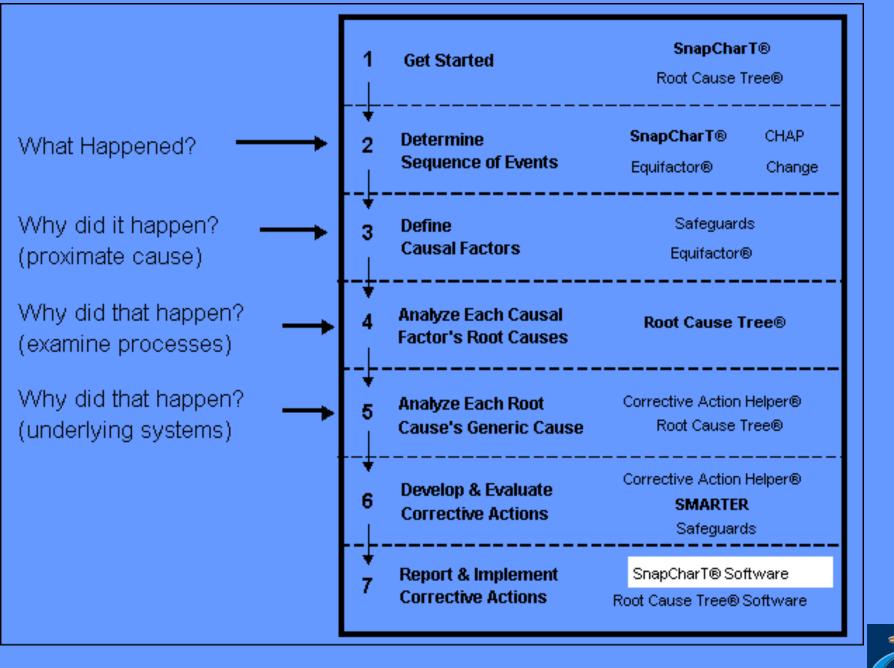


ROOT CAUSE ANALYSIS

(RCA)

(FMEA)







55



Donabedian identified three ways to measure quality:

Process Structure Outcome

- Process of care a set of activities that go on within and between practicioners and patients.
- **Structure** stable characteristics of the providers of care, of the tools and resources they have at their disposal, and of the physical and organizational settings in which increases they work.
- Outcome a change in patient's current and future health status that can be attributed to antecendent healthcare.



 By creating and implementing a certain quality management system in a health care organisation the task of work on improvement does not begin or end. The following slides show an example of a "systems aproach" to quality management development in a health care organization.

THIS APROACH IS REFERRED TO AS 5S



 A good basis of healthcare service improvement is the 5S (Ho, 1995) method.

 It is based on continuous assurance of order, system structure and cleanliness of the workplace as a pre-condition (basic conditions) for enabling a high level of providing healthcare services:



5 S

in healthcare organizations

Seiri, Seiton, Seiso, Seiketsu, Shitshuke Structuralization, Systematization, Sanitation, Standardization, Selfdiscipline,

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Seiri Structuralization

Seiton Systematizing

Seiso Sanitation Seiketsu Standardization Skitshuke Self-discipline



Structuralization

- As a means od separating needed things from un-needed – is a complete new sphere called RESOLVING MANAGEMENT.
- It is targeted at collation (sorting) and organizing infromation. The ability to dispose (throw out), keep the necessary and obtain new things is a key priority for the 5S method.
- The general aproach can be shortened to a key rule

"Keep just one thing, but the "best" one"

Systematization

When using the systematization aproach it is necessary to focus innitially on the question why the finding and storing (archiving) of a thing (tool, drug, document) takes so long. The proposed solution to this problem must be acceptable especially to those people, which use the thing often, but it must be acceptable also to those, that use the thing sporadically.



Methodology (cook-book) of implementing 5S method into a health care organization:

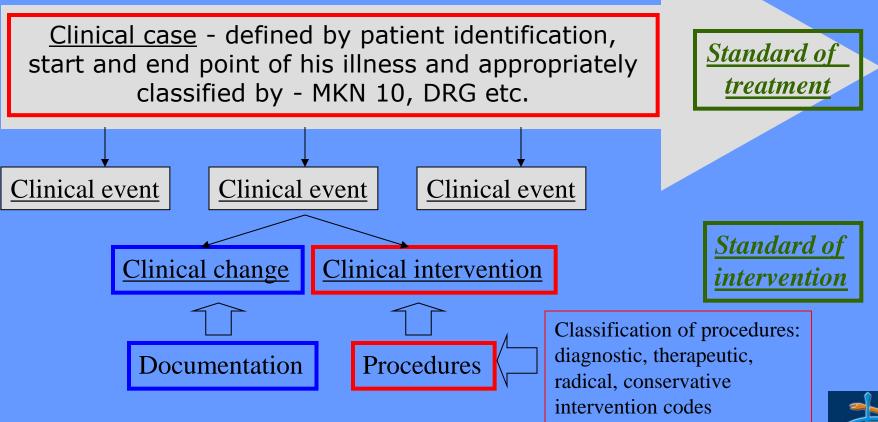
- Evaluation of the situation of the work environment and deciding to use the 5S method.
- First training: Explaining the principles of the 5S and a visit to the working areas.
- Second trainig: Brainstorming the tasks of 5S and creation of a plan for 5S implementation.
- Re-Structuralization: The core of restructuralization lies in separatiing things necessary for the work to be done from things un-necessary for the job and the storage (keeping) of the needed things in the right (appropriate) places.
- Systematization: Essentially lies in improving the effectiveness of how quickly the needed things can be accessed (reached) and put back to their designated place.
- Sanitation keeping the place clean. Sanitation in the organization "must be a thing of everyone" starting with the director and anding with the porter at the front door. The idea (especially in Japan) is, that by keeping your working environment clean and tidy assures clear state of your mind.

- Standardization: The basic principle of standardization is the achievment of a certain improvement to use it as an EXAMPLE that is to be systematically followed (adherred to). This realtes to structuralization, systematization and sanitation. It is NECESSARY that the adhearance (following) of the examples must be clearly seen.
- Selfdiscipline: The cultivation of selfdiscipline in the 5S method puts emphasis on creation of habbits of improvement and keeping of the organization, tidiness and cleanliness of the workspace. Selfdiscipline then guarantees the functionality of the whole healthcare organization.
- Audit in 5S. According to pre-designed and agreed forms a group of independent auditors trained in the methodology of a 5S audit performs an audit of the workplaces involved in the 5S program. They pick a "WINNER", evaluate the curent state of achievement and propose areas of improvement for the next "round" of the competition.
- Ceremonial anouncement of the winner of the 5S "competition" and disclosure of further targets and plans of the "competition".



Forms of standards derived from process of care

System analysis of the process of care





Models from abroad

Institutions

- JCAHO Joint Commission on Accreditation of Healthcare Organizations
- HCFA Health Care Financing Administration
- ABHC Association for Benchmarking Health Care
- Projects
 - HCUP (QIs) Healthcare Cost and Utilization Project (Quality Indicators)
 - CPMs project Clinical Performance Measures
 Project
 - ORYX Outcomes Measurement "the next evolution in accreditation"
- 6 criteria and 13 attributes for PMS (ORYX)
- Main aims outcomes v.s. costs, CQI, effectiveness



ICT – from data to concepts

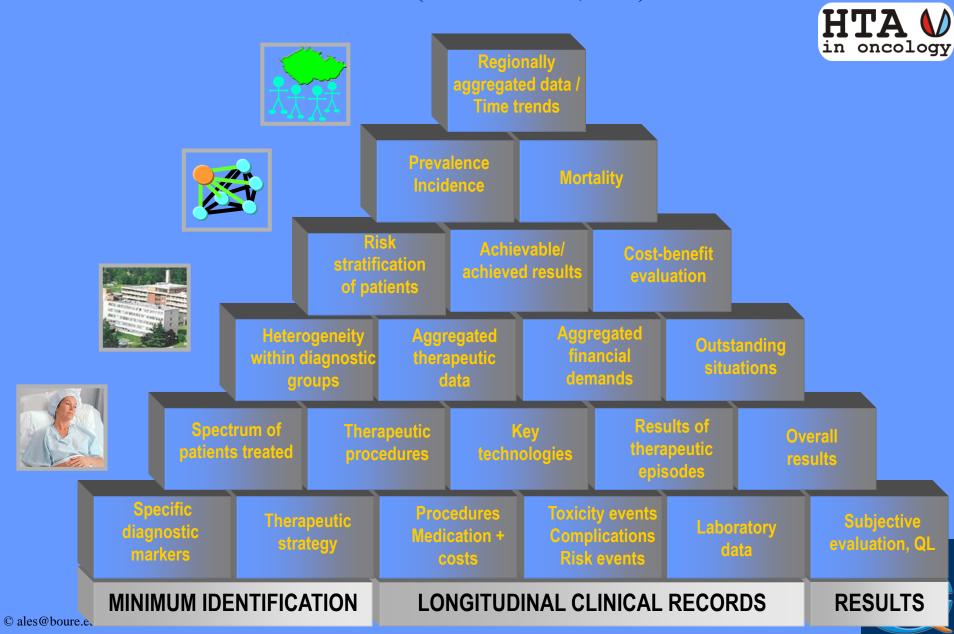
- Data
- Information
- Knowledge
- Concepts
- Learning / Modelling

Information is not enough

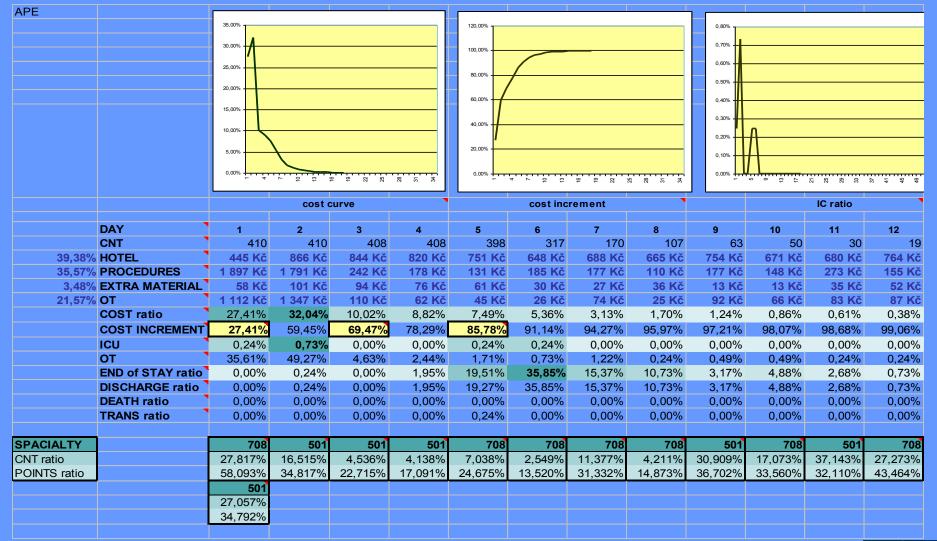


Robust database allows aggregation

L.Dušek (CBA MU Brno, 2004)

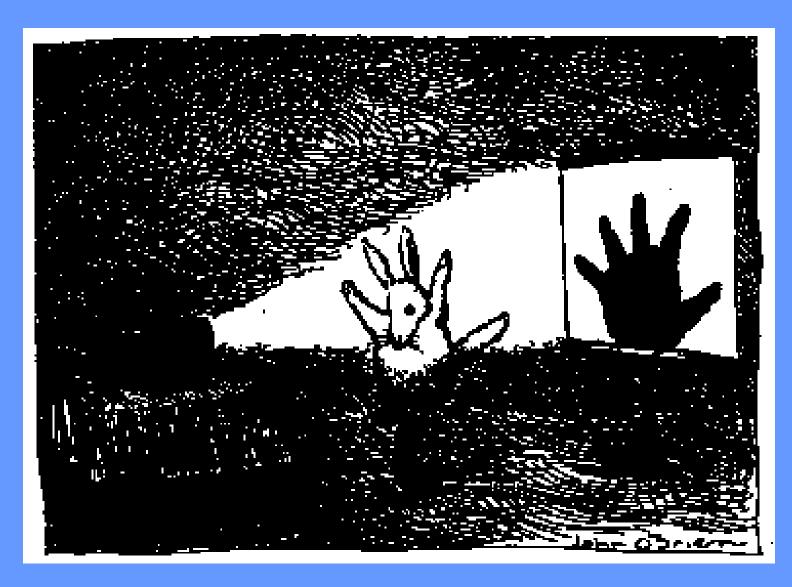


Process analysis

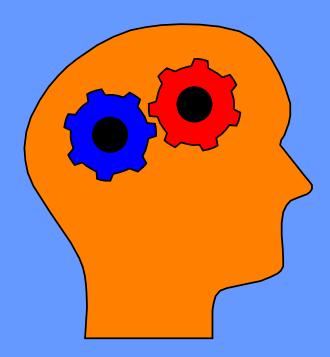




Interpretation







ICT is no substitute for "COMMON SENSE"



AUDIT



AUDIT vs. SELF-ASSESSMENT

Audit

- Conformance with Standards& Norms
- Corrective actions in weak areas
- Conducted by Third party or Specialist
- Sample examination
- Examinations of Tangible
 Elements
- •The Scope is Conformance with the Standard
- The nature is Historical
- The auditors are looking for non conformances and errors

Self-Assessment

- Comparison with a model
- Improvement areas and strengths identification
- •Conducted by internal resources (sometimes using facilitators)
- Covers the entire company and it is in-depth assessment
- Tangible & intangible elements
- •The scope is Improvements
- The history and future is examined

MODELS DEVELOPMENT

1940 Japan started to rebuild economy.

Japan created the Deming Prize, The first Quality Management Award.

USA, they created the Malcolm Baldrige National Quality Award (MBNQA)

European Foundation for Quality Management (EFQM) (i.a. Philips, Ericson, British Telecom, VW).

14 leading European companies decided to create

Rank Xerox Limited, the first winner.

Membership currently 625+

EFQM

1992

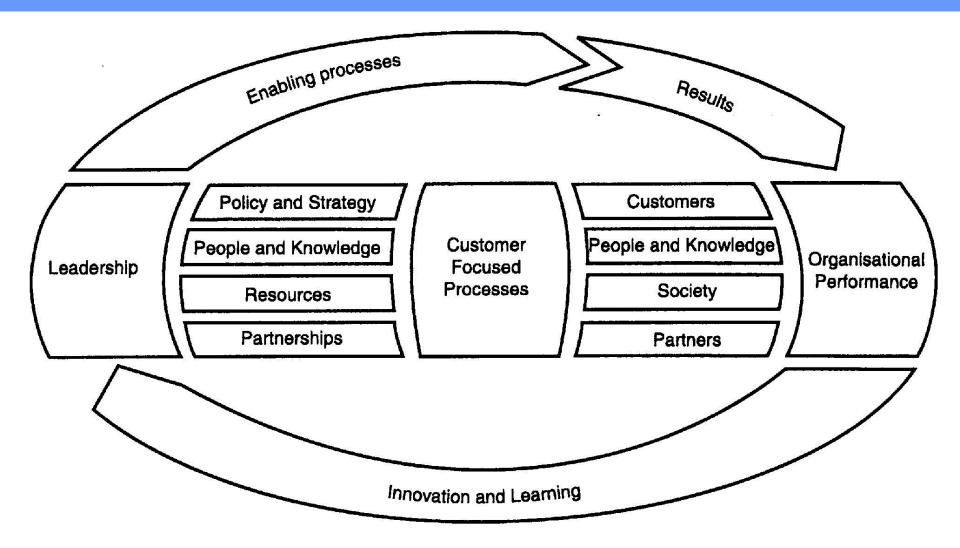
1951

1987

1988

the

EFQM improved model





Self-assessment principle

Česká
asociace
pro
podnikatelskou
úspěšnost –
EFOM



 Standard self-assessment leading to the self-assessment report elaboration

There is a need of engaging an extensive amount of capacity prior to it's elaboration, but it is necessary for the participation in the European Quality Award.

Self-assessment based on scoring

There are few questions relating to individual criteria, the RADAR method is used for assessment based on a very simple IT. Benefits: time saving, results used as a base for benchmarking (in the case of internal benchmarking it is mainly comparison in time).



SELF ASSESSMENT METHODS

Award Simulation

➢Pro-forma Approach

Matrix Approach

Workshop Approach

Questionnaire Approach

Peer involvement Approach



RADAR

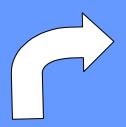
RADAR:

is the essential business logic at the heart of the model determining the success of the quest for performance improvements. The fundamental building blocks of the concept underpinning corporate excellence are

Results, Approach, Deployment, Assessment and Review.



RADAR



Determine the **Results** required



Assess and Review approaches and their deployment

Plan and develop the **Approach**

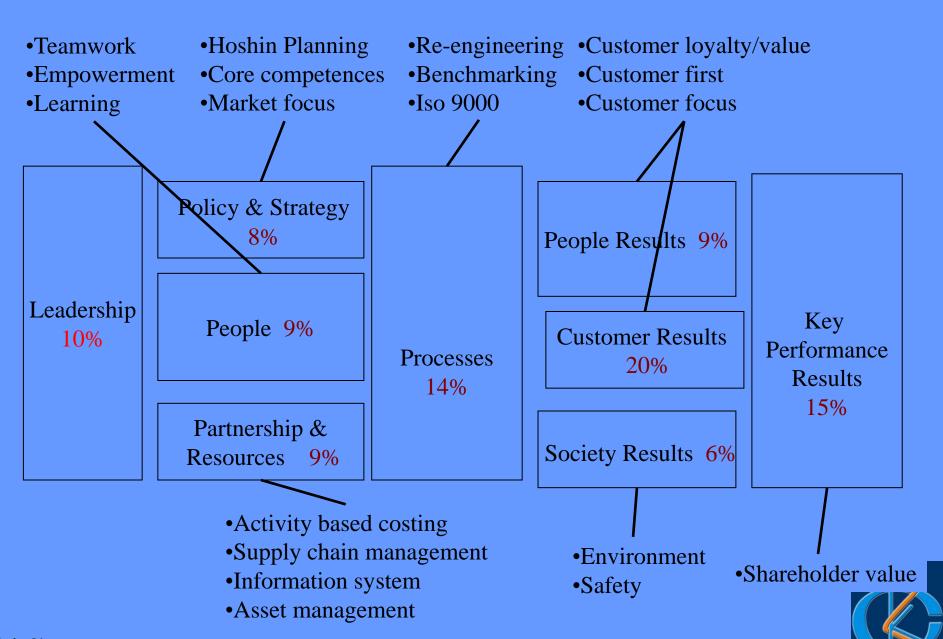


Deploy approaches





WAYS TO DO IT

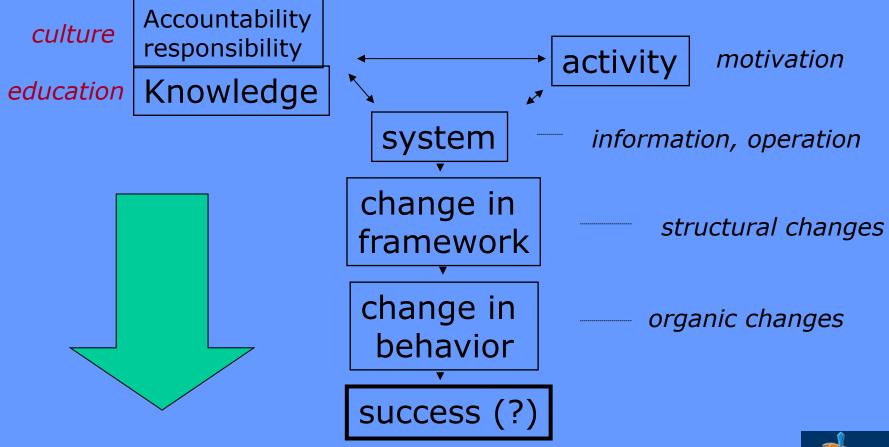


EFQM MODEL & BENCHMARKING

- ➤Benchmarking the process of systematically comparing your own organisational structure, processes and performance against those of good practice organisations globally, with a view to achieve business excellence
- The Self-Assessment using the EFQM Model is a benchmarking Process. There is a comparison between a company and the ideal Europen Company
- Self-Assessment is a Learning Process



Principles of change





Roles of healthcare system actors

Allocation efficiency in health care

Patient profit:

Health status (objective and subjective)
Minimizing stress and discomfort or insecurity
Minimizing social problems
Minimizing personal investments etc.

Provider profit:

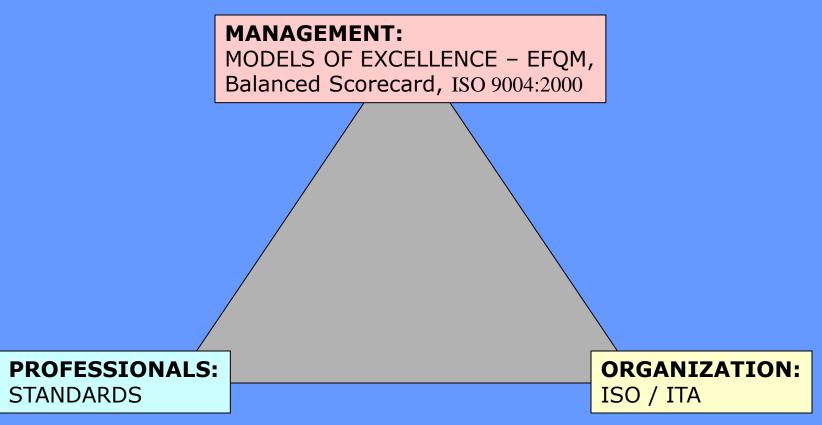
Short and long term financial stability
Maximizing payments
Optimizing resource use
Growth of organization
Good record, patient satisfaction
Staff satisfaction and growth

Payer profit:

Short and long term financial stability
Maximizing insurance payments
Optimizing resource use
Growth of organization
Good record, patient satisfaction
Staff satisfaction and growth

Harmony in organization triangle

Various levels need various tools



Integrating management-smart method of self-assessment with clinical standards delivered by peer auditing and accreditation systems generates thee potential to deliver excellence in healthcare

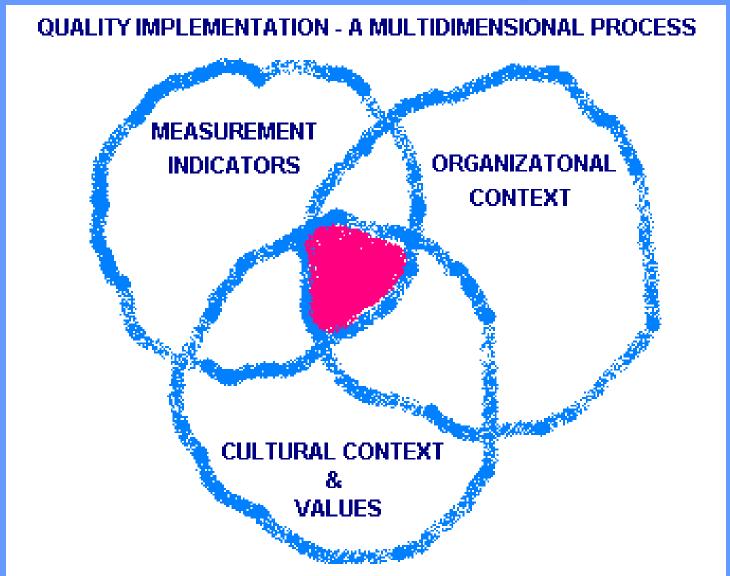


SKILL of MANAGEMENT

 CHANGE MANAGEMENT - To transform organizations, we first need to understand the natural change processes that are embedded in all living systems. Once we have that understanding, we can design processes of organizational change accordingly and create human organizations that mirror life's adaptability, diversity, and creativity. (Fritjof Capra)



NOT so easy





A LONG JOURNEY





Thanks for your attention!!

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