





ESQH Autumn Workshop,
Barcelona, Spain,
Saturday 20th October 2007



Education in Quality Improvement in Sweden

-preparing future health care professionals

Michael Bergström
Global Knowledge Explorer
Change Agent, MD
Health and Social Care Division
Swedish Association of Local Authorities and
Regions

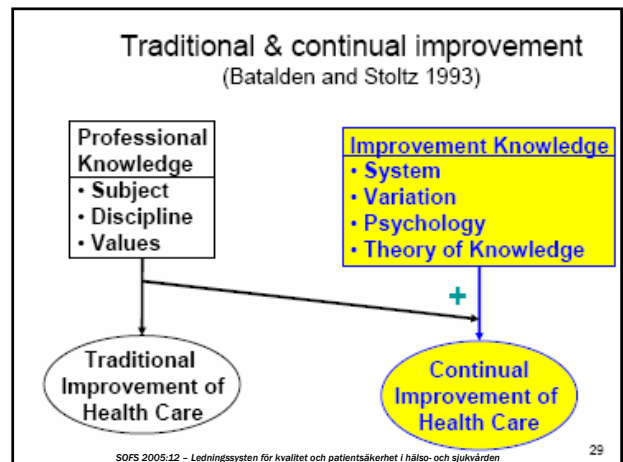



“quality improvement”

The combined and unceasing efforts of everyone – **health care professionals, patients and their families, researchers, payers, planners, educators** – to make changes that will lead to better patient outcome, better system performance, and better professional development.

Batalden P, Davidoff F.
What is “quality improvement” and how can it transform healthcare?
Qual.Saf.Health Care 2007;16:2-3






Expectations on the future roles





Photo:
Michael Bergström
2005



“Every system is perfectly designed to get the results it gets.”

Paul Batalden

...also the educational systems...



There's a long way...

- **Euripec** 1996 -
- **Putting Improvement at the Heart of Education** –a pilot project 1999
- **Medical Management Center** at the Karolinska Institute 2002-
- **Training Pediatric Residents** on QI – developing a model (2+2+1 day) 2003
- **University Collaboration on Improvement Knowledge** 2002-04 and then spread...



Euripec

”European Interdisciplinary Education Collaborative”

- UK
- Norway
- Sweden
- Netherlands
- Finland
- + representatives from USA

Meeting in conjunction with European Forum on Quality Improvement in Health Care:

- London - 96
- Paris -97
- Vienna -98
- Stockholm -99
- Amsterdam -00
- Bologna -01
- Edinburgh -02



Followed by other initiatives

- The Rosendal Meeting, DNF Norway 2003
- **ESQH** Summercamps
 - Hastings, England 2004
 - Porto, Portugal 2005
- Roundtable in Prague 2006
- Roundtable in Barcelona 2007



In Sweden...



Putting Improvement at the Heart of Education

–a pilot project initiated **1999**
by the former Federation of the Swedish County Councils

- **4 universities** after application from all (Umeå, Örebro, Stockholm, Gothenburg)
- 2 teachers med. school, 2 teachers nursing school, 2 med students, 2 nursing students
- Duration - **6 month**, exploring
What is improvement knowledge?
How can you teach it?
- Participation in the European Forum on QI in Stockholm 1999, Personal Improvement Projects
- Lessons learned – Teachers, Students



Experiences to the working group on Medical Management..

- **Medical Management Center** at the Karolinska Institute
- 2002-



University Collaboration on Improvement Knowledge 2002-2004-



- Initiated by SALAR, Swedish Nursing Society and the Karolinska Institute
- To put improvement knowledge into **health care professionals' undergraduate education**
- To support **faculty development**
- To create an **arena for collaboration** between existing improvement centers in health care organisations and teachers at nursing and medical universities



Participants



Medical and Nursing Universities

and Health Care Organisations (from north to south)

- University of Umeå and The County Council of Västerbotten
- The Karolinska Institute and The County Council of Stockholm and Municipality of Gotland
- University of Linköping and The County Council of Östergötland
- The Health University of Jönköping and The County Council of Jönköping



Some participants..



The process

- Based on the teachers needs to learn Collaborative Meetings at the Universities on rotation
 - *Local work and challenges*
 - *Sharing experiences*
 - *Working questions*
- Support of local activities and developing courses and assignments



Questions from teachers

- Improvement knowledge –What is it? Terminology? Language?
- How to design courses and assignments?
- How to change attitudes, bringing more colleagues along?
- How could we have more collaboration between universities and healthcare organisations (including improvement centers)?



In progress

- **Collaboration – Linköping, Jönköping and Kalmar on QI-** teaching, research on improvement (Dean Mats Hammar, Linköping University)
- **Distance course** on "Learning and Improvement Knowledge for teachers" 7,5 ECTS- 25 persons ongoing Karolinska Institute and Stockholm University of Education
- **Medical Management Center**, Karolinska Institute – > 15 PhD-students..



In progress

- **Umeå** – new courses on integrating QI
- **Gothenburg** –course on Improvement Knowledge 7.5 CETS
- **International collaboration and influences**
- **Regulations** on new competencies in undergraduate, postgraduate level for health professionals



New requirement for MD exam's 2007.01.01

- *-the student should be able to demonstrate competence in initiating, participating, doing quality improvement and evaluate medical treatment.*
- *...teamwork...*



Requirements for residents in Sweden

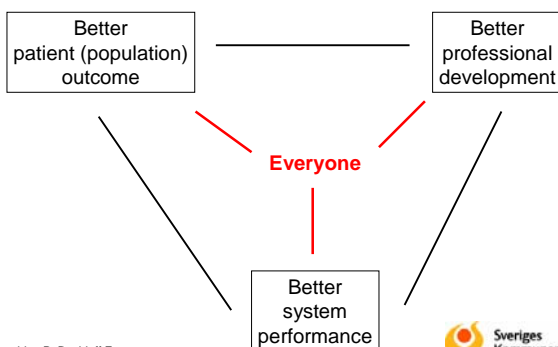
work in progress by our
National Board of Health and Welfare (2005-)

- Medical Competence
- Communication skills
- Leadership
- Science and **Quality Improvement**
(how to learn new knowledge **and putting it into practice**)



Implications for

- **Employers** demand trained professionals and involving them in QI work
- **Academics** prepare students for the work and work on the work
- **Deans** support faculty development
- **Policymakers** policies to support the integration of QI
- **Regulators** New requirements for QI competencies
- **Students** use new skills and demand more, choose universities and working opportunities, where improvement work is ongoing
- **ESQH?**



Batalden P, Davidoff F.
What is "quality improvement" and how can it transform healthcare?
Qual Saf Health Care 2007;16:2-3



What we have to learn to do,
we learn by doing



Aristotle
(long time ago)





Thanks for your attention!



Michael Bergström,

Project Director

Global Knowledge Explorer, Change Agent,, MD
Health and Social Division

**Swedish Association of Local Authorities
and Regions**

michael.bergstrom@skl.se

Keep on learning! Help others!

