

The Funen Diabetes Model

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Goals

- Normal quality of life and length of life
- An equally high quality of treatment everywhere in Funen County
- All diabetic patients are connected to both an out-patient diabetes clinic and their GP
- Implementation of the national guidelines established by the National Board of Health

Shared Care

- All diabetic patients are connected with both their GP and an out-patient clinic/hospital
- Routine examination performed by the GP
- Instruction and classification of newly discovered diabetics at the out-patient diabetes clinic

Shared Care

- Annual screening for secondary complications at the out-patient clinic or at the GP's clinic
- Possibility for second opinion
- Shared set of data
- Shared quality assurance
- Web consultations

What is FDDDB?

- A web-based database
- FDDDB contains relevant indications such as HbA1c, blood pressure, weight, medication, urine albumin, retina photo, heart status, foot status, etc.
- Automatic transfer of lab data
- Is based on social security number and pass word at the therapist

Who has access to FDDDB?

- Out-patient physician and nurse
- General practitioner
- Ophthalmologist

How is FDDB employed in "Shared Care"?

- Shared set of data
- Common aims
- Internal communication

FDDDB – overview: "Status"



NovoNet
 Christian Hansen - 300404 08:43

Find patient
Opret patient
Lister
Profil
Hjælp
Log af

Status
Diabetesmedicin
Grafer
Historie
Print
Basisdata

Hel... 4 - Alder 51 - Debut 2002 - Type Type 2

Status

Kontakt mere opret [ALT+K]		
200404	Rutinekontrol	040223
140104	Årsstatus	040223

Målinger opret [ALT+M]		
Højde	175 cm	200404 mere
Vægt	84,9 kg	200404 mere
BMI	27,72 kg/m ²	200404 mere
BT	120/80 mmHg	200404 mere

Laboratorieresultater opret [ALT+L]		
HbA1c	7,6 %	140404 mere
U-albumin		
U-alb./krea. ratio	2,0 ratio	080104 mere
S-kreatinin	67 µmol/l	080104 mere
Kreatinudskillelse		
S-kolesterol	3,3 mmol/l	080104 mere
S-LDL-kolesterol	1,8 mmol/l	080104 mere
S-HDL-kolesterol	0,83 mmol/l	080104 mere
S-triglycerid	1,56 mmol/l	080104 mere
GAD		
C-peptid		

Insulin mere opret [ALT+I]		
Insulatard	12 IU/dag	200404

OHA mere opret [ALT+O]		
Biguanid	Orabet 500 mg 2 x 2	130503

Anden behandling mere opret [ALT+B]		
For dyslipidæmi	Simvastatin 10 mg 1 dgl	200404
For hypertension	Selo-Zok 50 mg dgl	200404
For hypertension	Triatec komp. 1 dgl	200404

Egenomsorg opret [ALT+E]		
Ryger	10 cig/dag	200404 mere
Ryger indtil		
Motion	7 timer/uge	200404 mere
Selvundersøgelse	7 bgmål./uge	200404 mere

Patientnoter mere opret		

Øjenstatus opret [ALT+Ø]			
	Højre	Venstre	
Retinopati			
Makulopati			
Visus			
Vitrektomi			
Laserbehandling			

Fodstatus opret [ALT+F]				
	Højre	Venstre		
Følsomhed	Normal	Normal	140104	mere
Puls	Ja	Ja	140104	mere
AAI				
Fodrisiko	Nej	Nej	140104	mere
Sår	Nej	Nej	140104	mere
Amputation	Nej	Nej	140104	mere

Akutte komplikationer opret [ALT+A]			
	Total	Seneste	
Hypoglykæmi	0 x		200404 mere
Ketoacidose	0 x		200404 mere
AMI	0 x		200404 mere
Apopleksi	0 x		200404 mere

Andre komplikationer mere opret [ALT+N]		
Angina	Nej	200404
Claudicatio	Nej	200404
Terminal nyreinsufficiens	Nej	200404
Inj. Infiltrater	Nej	200404

Status today

- The medical out-patient clinics in Funen County employ FDDB and some 9,000 patients have been typed in
- 50 % of all general practitioners in Funen County employ FDDB
- Around 90 % of all general practitioners wish to be connected

Web consultations

- We wish to have all diabetic patients connected
- Typing in of the diabetic patient's own data, e.g. blood glucose
- The diabetic patient obtains access to lab data, etc.
- Communication via the Internet (diabetic patient and therapist)
- Educational tools: dietary composition, stop of smoking, life style advice, therapeutic goals

Results

Process quality

- >50% have attended a diabetes school
- Approx. 90% have eye screenings performed regularly
- Approx. 80% measure their blood glucose at home
- Approx. 60% regularly consult a chiropodist

Evaluation of the diabetes school concept

Two years after attending the diabetes school:

- 80%-90% have retained the obtained knowledge
- Patients' weight has not increased
- The fall in blood glucose has been preserved (HbA1c: 9.1 → 7.3%)



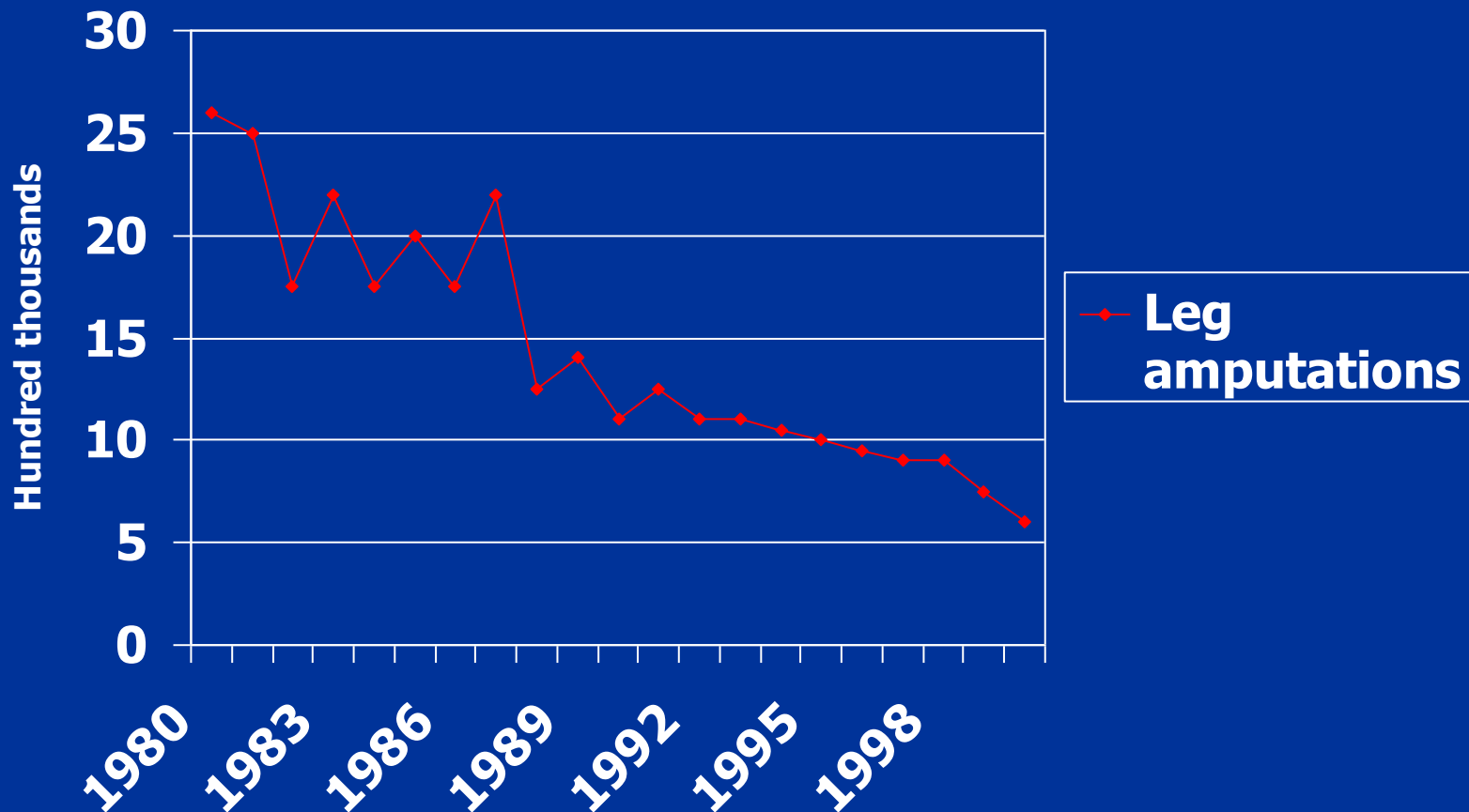
The Funen Diabetes Model

Results March 2006

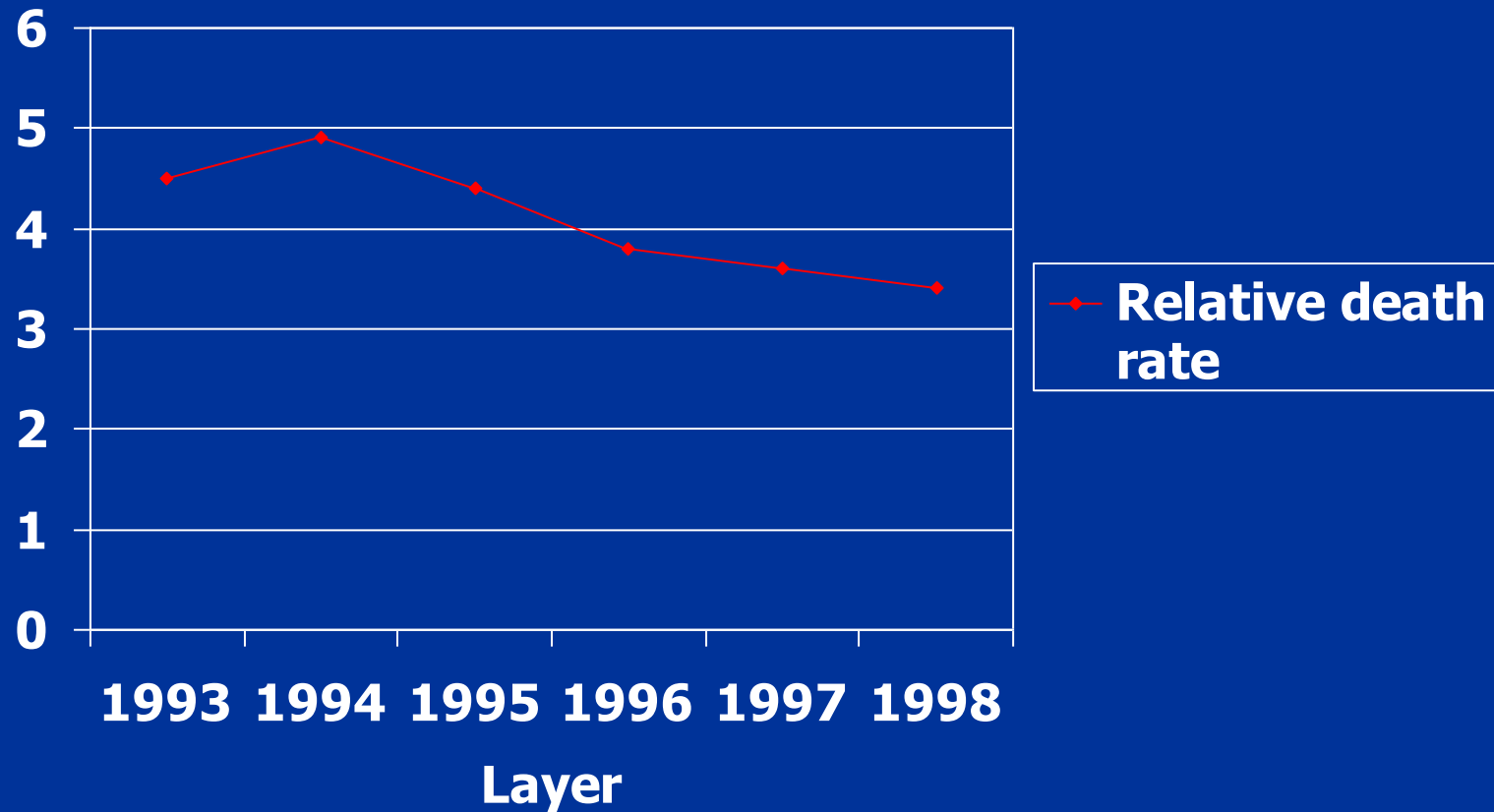
- 8821 diabetic patients are active in FDDB

	Result	International aims
HbA1c	7.4 %	< 7 %
Blood pressure	137/80 mmHg	< 135/85 mmHg
LDL cholesterol	2.4 mmol/l	< 2.6 mmol/l

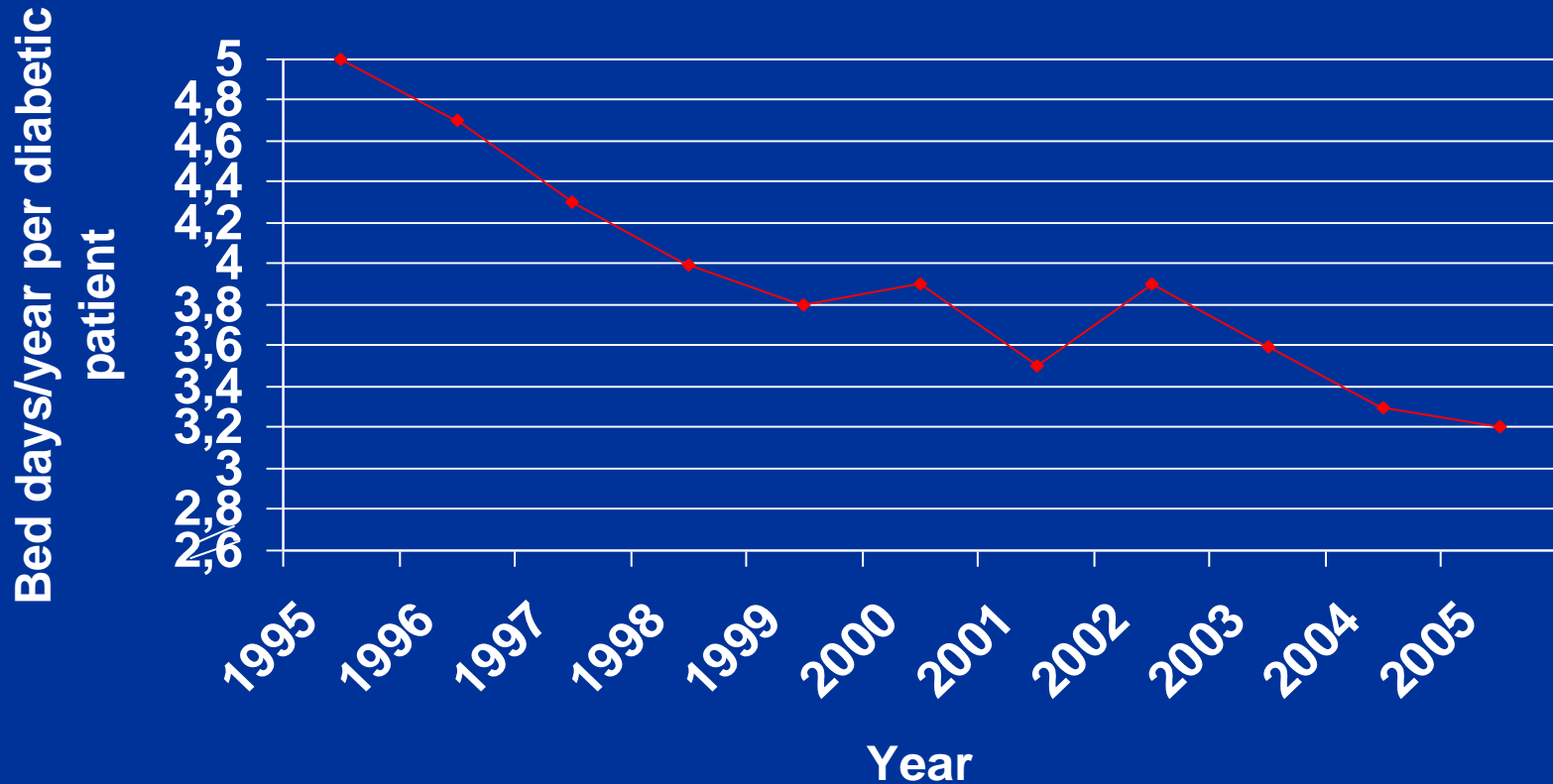
Number of leg amputations caused by diabetes mellitus



Mortality for diabetic patients in Funen County



Use of bed days per diabetic patient in Funen County 1995-2005



Diagnosis codes: 10.0-10.9, 11.0-11.9, 13.0-13.9 (primary and secondary diagnoses)

Bed day use 1995: 35.423

Bed day use 2005: 35.766

The number of diabetic patients has increased by 58 % during the same period

The Funen Diabetes Model: Economy

If the system had not been changed, the expenses for diabetes treatment in Funen County would be approx. 75 million DKK higher in 2005 than in 1995

”More quality for less money”

The Therapeutic Palette

