

Individualiseret livsstilsintervention til diabetikere i samarbejde mellem almen praksis, kommuner og Steno Diabetes Centre

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Weight loss and reversing
Type 2 diabetes
cost-effectively through
eHealth coaching



Dr Carl J. Brandt, PhD, GP, Postdoc and Co-founder/medical advisor







Founded NetDoktor.dk in 1998 – in 2015 Liva Healthcare





Rune Bech, co-founder, *Director*

- Co-founded NetDoctor, SlankeDoktor and SundhedsDoktor.
- Former digital officer of Danish broadcaster TV 2 and Saxo Bank
- Master in Broadcast Journalism, Danish School of Journalism.



Dr. Carl Brandt, PhD *GP, co-founder*

- Co-founded NetDoctor.com, SundhedsDoktor and SlankeDoktor
- Practising general practitioner and science/research personality within healthcare and lifestyle interventional programs



ARTIKEL GYNHÄLSA

"Jag har haft svedan i underlivet i flera månader"

SJUKDOMAR *

Här svarar gynekologen Eva Rylander på läsarnas frågor om underlivssmärtor.



FRÅGA DOKTORN

QUIZ LEDGÅNGSREUMATISM (RA)

FORUM *

QUIZ: Sant eller falskt om reumatoid artrit (RA)

Reumatoid artrit (RA), eller ledgångsreumatism som det också kallas, är en inflammatorisk ledsjukdom som ofta börjar i händer och fötter. Hur bra koll har du på sjukdomen? Testa dina kunskaper i vårt quiz!



FILM HUD & HÅR

Svettas du extremt mycket? Då kan det vara hyperhidros

Att svettas är naturligt, men om man svettas extrema mycket kan det ha en negativt påverkan på livskvaliteten. Överdriven svettning kallas även hypeperhidros, och en åkomma som kan påverka den drabbade både psykiskt och fysiskt.



👤 Logga in / Bli medlem

INFORMATION

Få de senaste hälsonyheterna direkt till din e-post

Ta del av de senaste hälsonyheterna, intervjuer med patienter och experter. I Netdoktors nyhetsbrev får du dessutom reda på när vi anordnar chattar - där du som läsare får ställa frågor direkt till experterna, samt när vi öppnar för frågor i Fråga doktorn.



1998: NetDoktor.se

 B2C. Health information portal with a leading market position in UK, Germany, Denmark and Sweden.



2015: livahealthcare.com

B2B. A personal lifestyle coach in the pocket of the patient.

Leading market position in Denmark and UK



DICTA

Digital Individualized and Collaborative Treatment of TD2 in General Practice Based on Decision Aid

By Prof. PhD GP Jens Søndergaard¹, Prof. PhD Michael Hecht Olsen², PhD Jens Steen Nielsen³, **PhD GP Carl J. Brandt^{1,5}**, Prof. PhD GP Jette Kolding Kristensen⁴, PhD Peter Gæde², Jesper Andressen⁵, PhD Camilla Sortsø⁵, PhD Sonja Wehberg¹, Prof. PhD GP Dorte Ejg Jarbøl¹, Prof. PhD Jesper Bo Nielsen¹.

novo nordisk fonden

Supported by the Steno Collaborative Grant



¹Research Unit for General Practice, SDU

²Steno Diabetes Center Zealand, SDCS

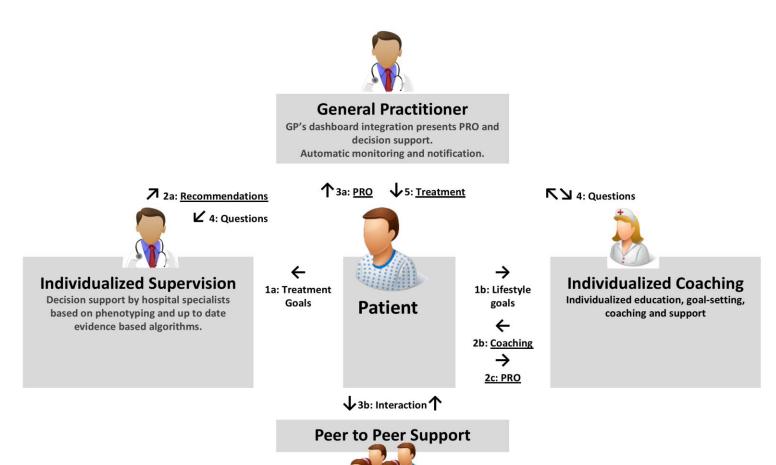
³Den Danske Diabetes Database, DD2, SDCO

⁴Research Unit of General Practice, AAU

⁵Liva Healthcare

ew of the DICTA intervention





- 1. Patient accepts to participate in DICTA
 - a) In collaboration with GP, the patient decides treatment goals
 - b) In collaboration with coach, the patient decides lifestyle goals
- 2. Ongoing intervention:
 - a) Specialist recommends treatment to GP
 - b) <u>Coach supports</u> lifestyle changes
 - c) Patient reports "patient reported outcomes" (PRO) to coach
- 3. Ongoing interaction:
 - a) Patient reports "patient reported outcomes" (PRO) to GP
 - b) Patient interacts with peers on a digital platform
- GP may pose questions to either specialist or coach
- 5. Together with patient, <u>GP decides</u> overall treatment



DICTA - Collaborative eHealth for real



The DICTA platform makes patient empowerment, personal empathic coaching and GP support possible

Participant app

A personal coach in the pocket





Particpants

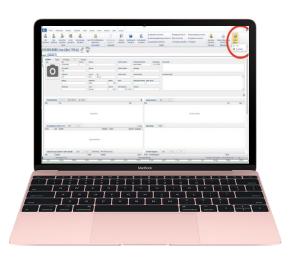






Health Coaches







General Practitioner



The Platform







Technology

Liva's platform combines personal healthcare professionals with an advanced tech platform, promoting stronger user engagement and healthier individuals

Evidence



Users maintained 7 kg of weight loss after 20 months1



15.000kr.+ saved in societal costs per year per diabetic²



3-500 patients managed per full time health professional³

Key Customers







Brandt et al., "Sustained Weight Loss during 20 months using a personalized interactive internet based dietician advice program", International Journal on Advances in Life Sciences, 2011
Institute of Applied Economics and Health Research, "Liva Healthcare Cost Effective Analysis", 2017 and Komkova A, Brandt CJ, Hansen Pedersen D, Emneus M, Sortsø C, Electronic Health Lifestyle Coacl

Among Diabetes Patients in a Real-Life Municipality Setting: Observational Study, JMIR Diabetes 2019;4(1):e12140, DOI: 10.2196/12140, PMID: 30860486

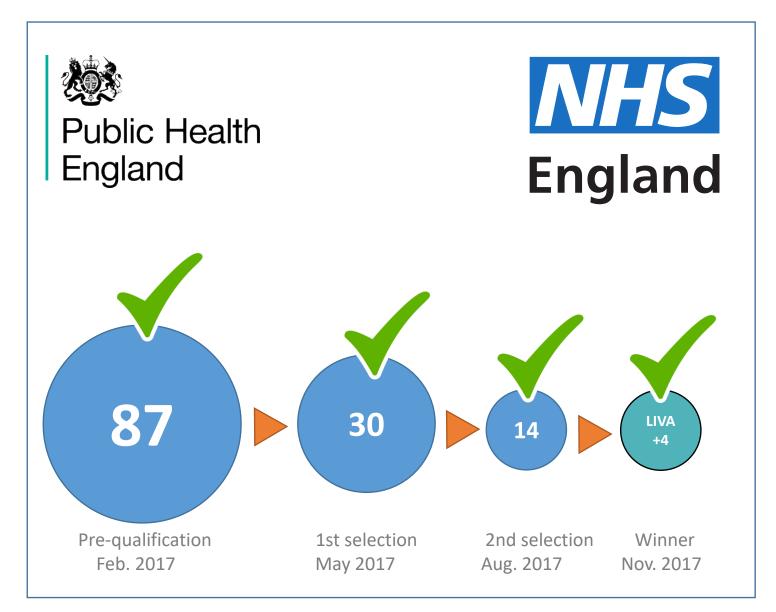
Danish health authorities with Liva in operation





Pilot: NHS England selected Liva from 87 providers







Type 2 diabetes can be reversed with a modest weight loss of 10% or more

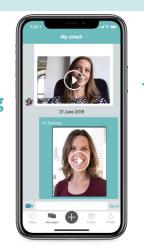


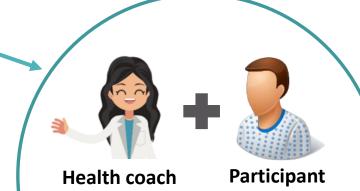
- > Researchers at the University of Cambridge have found that people with type 2 diabetes who achieve modest weight loss of 10% or more in the first few years after being diagnosed have the greatest chance of seeing their disease go into remission.
- > The finding suggests that it may be possible for patients to recover from type 2 diabetes without intensive lifestyle interventions or extreme calorie restrictions.
- > Previously, it has been shown intensive low-calorie diet involving a total energy intake of 624-700 kcal/day for 8 weeks is associated with remission.
- This research, funded by NIHR Programme Grants for Applied Research and the NIHR Health Technology Assessment Programme, reviewed data from 867 people newly diagnosed diabetes aged 40 and 69 years.
- Overall 257 participants (30%) were in remission at five-year follow-up. People who achieved weight loss of 10% or more within the first five years after diagnosis were more than twice as likely to go into remission compared to people who maintained the same weight.

Personal relationships are key to succeeding with a lifestyle change



Ongoing personal e-coaching Asynchronous via app by text and video





"A real personal coach in your pocket" Relationship based: Behaviour psychology agreements

and commitments



Support community of fellow participants (peer-2-peer)

Personal lifestyle plan

Each plan is tailored to the individual participant's needs



Scalable asynchronous e-coaching

Data makes the intervention more personal and the health coach better supported by AI and machine learning





Personalised content

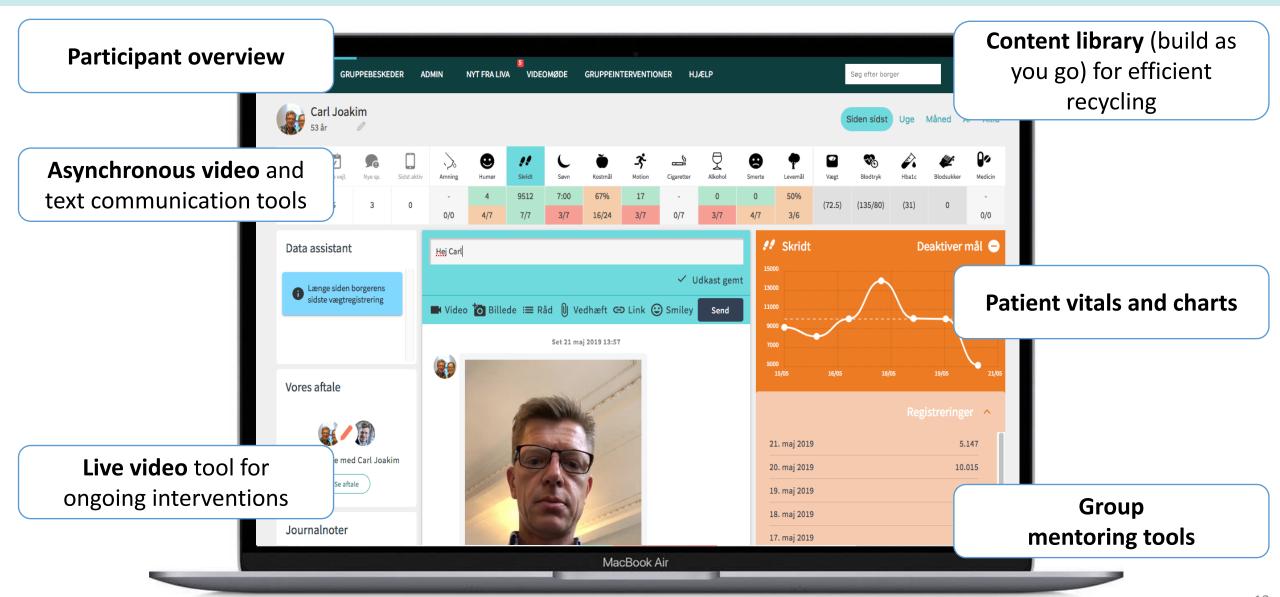
Motivational material and other content is carefully targeted and timed

Easy lifestyle and goal tracking

Automatic tracking (e.g., steps) or easy manual tracking (e.g. meal photos)

The Liva coach dashboard – tools to handle 3-500 patients per FTE





Liva outcomes with 103 Type 2 diabetes patients



4,8 kg

Average weight loss
in 7,4 months
Real world Liva data*

6,8 kg

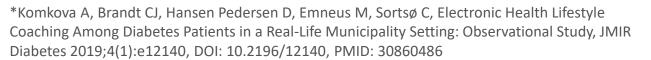
Average weight loss after 9 months

Real world Liva data*

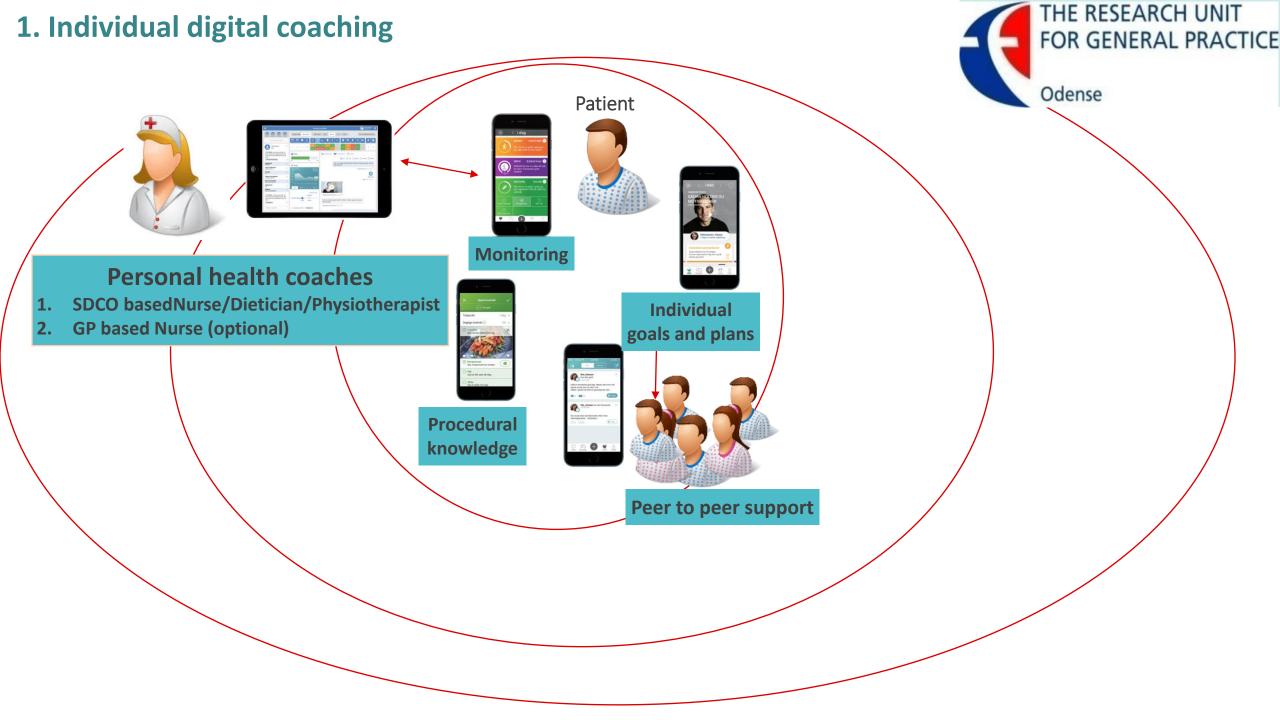
19.600kr

saved per patient per year

Trend. Real world
Liva data*



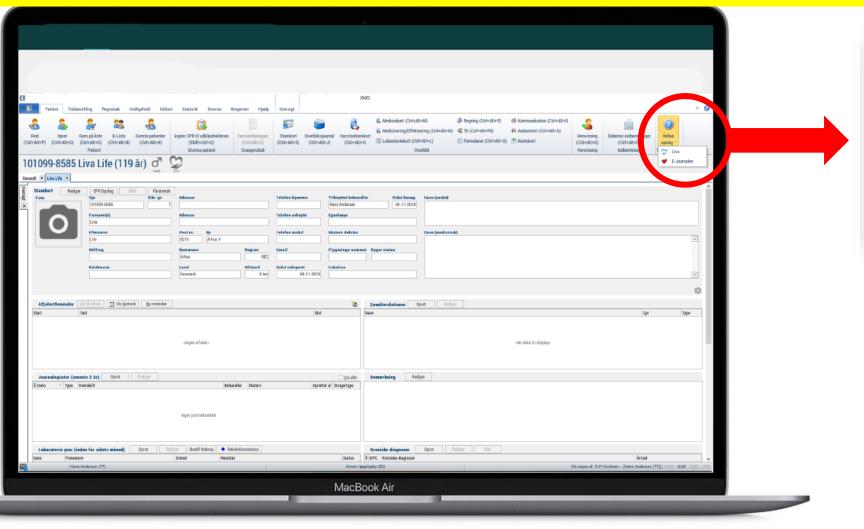






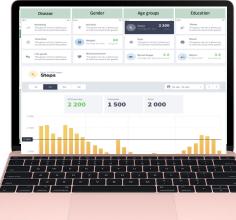
2. Integration into GP platform

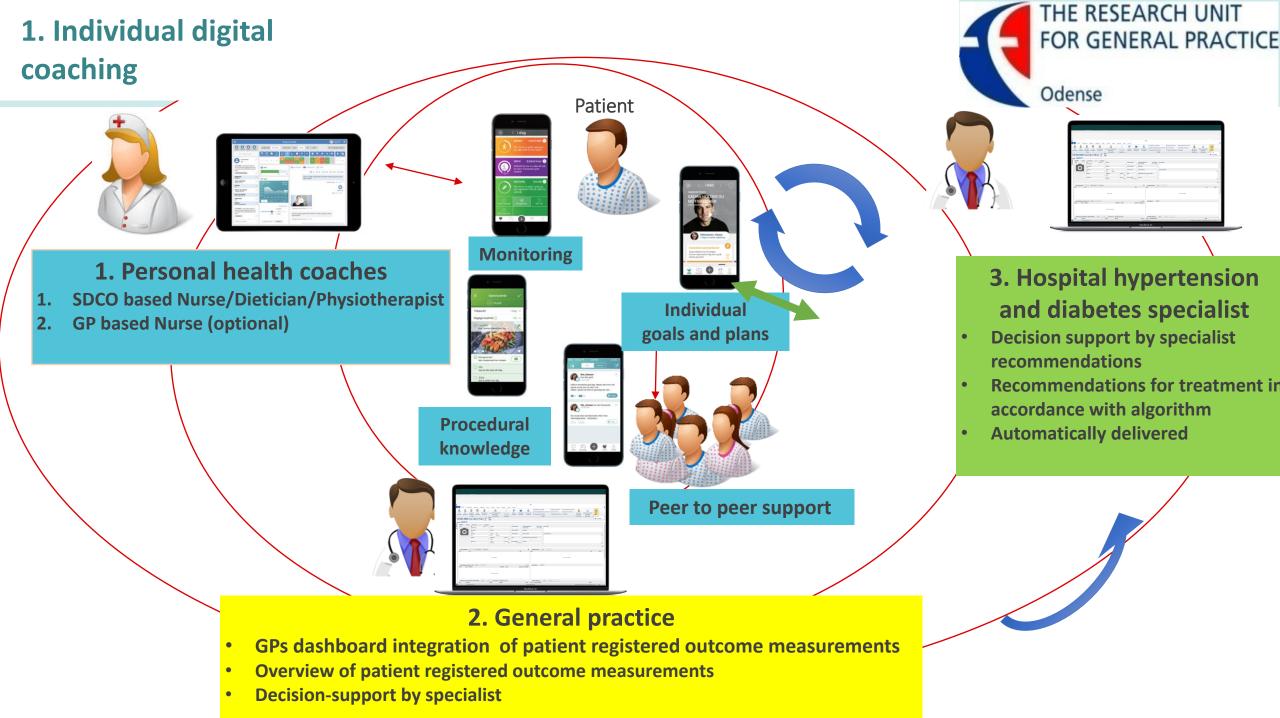






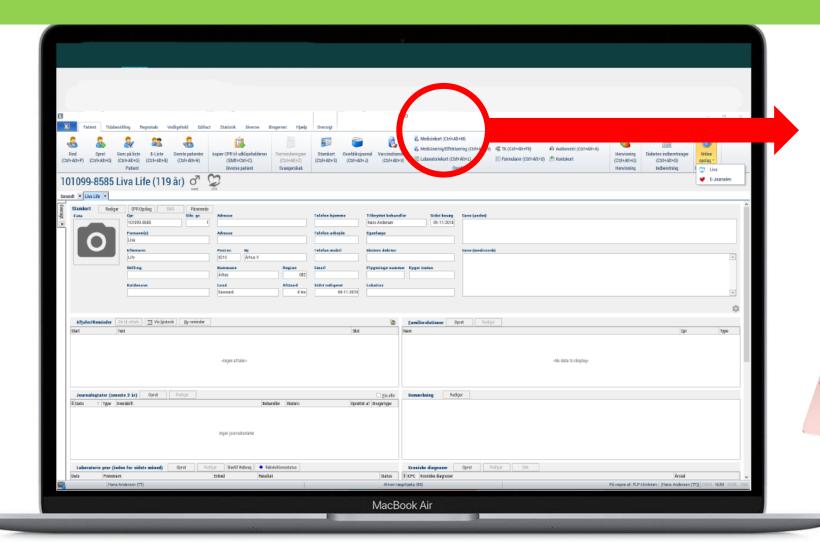






3. Clinical decision support









Thank you for your attention

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