

Center for welfare and health technology in North Iceland *(WelTec center/cluster)*

VOPD webinar 18.11. 2020.

Halldór S. Guðmundsson, general manager for Akureyri nursing homes

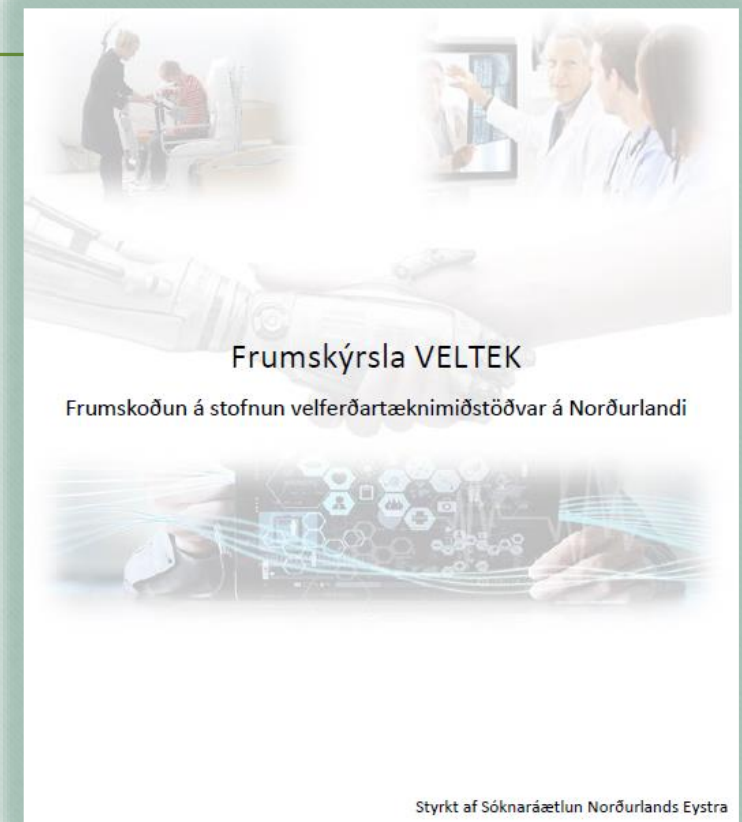
Sigurður Einar Sigurðsson, Medical director Akureyri hospital

The beginning and/or Forerunner's **VOPD support and motivation**

- Memaxi project since 2014
- Alfa, Saga, other e-health projects
- Application to VOPD for project support regarding distance spanning solutions (call 1 2018) – both Akureyri hospital and Ak-nursing homes
- One advisor – for 2 projects
Lisbeth Kjellberg senior advisor
- Developing and implementing distance
- Collaboration, learning about each others' projects
- VOPD Call 2 – developing with support, our collaboration and sheared solution - cross sectional, institutional and multidisciplinary
- Sheard advisor, financial support, time for project work and encouragement to keep on implementing
- New project – VEL-TECH cluster/center

About the project – VelTek

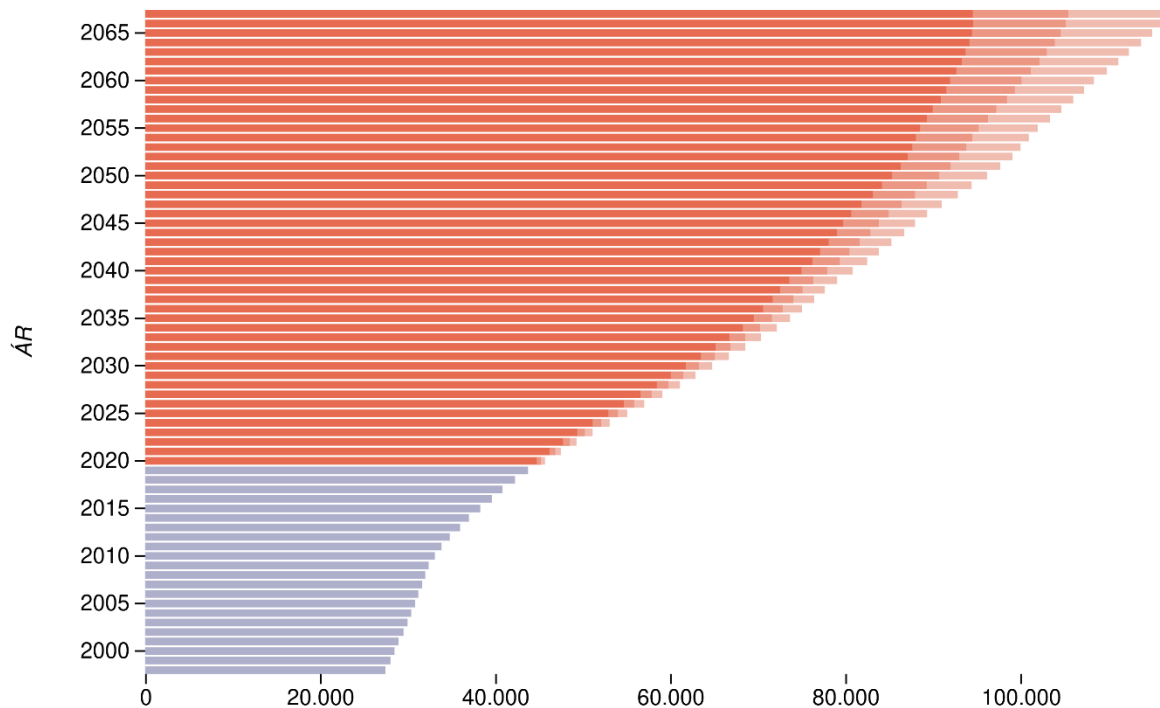
- Application to Eyping-association of municipalities in north east Iceland (NE), for a focus project in 2019 ([link to report](#))
- **Aim:** To investigate the feasibility of a knowledge and a service center in welfare technology in NE
- **Reason:** the fourth industrial revolution, Iceland lies behind the other Nordic countries in the use/ implementation of welfare tech and electronic solution in social and health service, opportunities for NE, strengthening the quality of life of the population and the quality of service.



A view of the opportunities, age groups and covid experience (here the expected population 67 year and older)

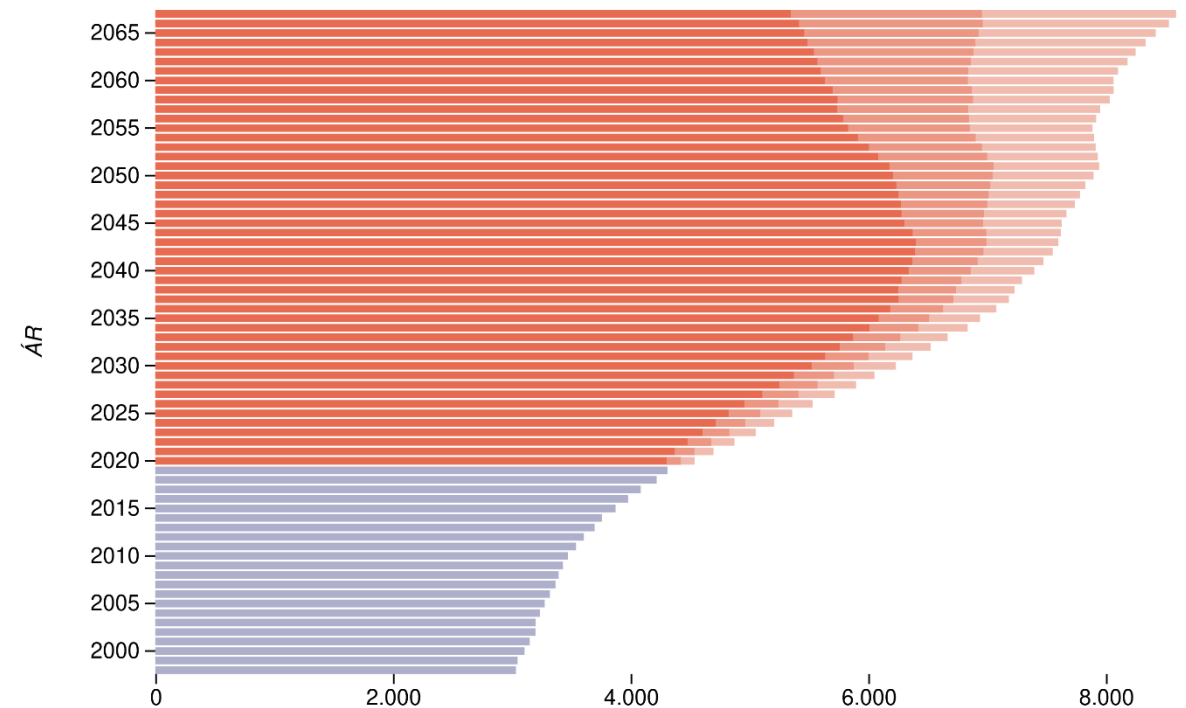
Mannfjöldi 1. janúar - 67 ára og eldri

Ísland



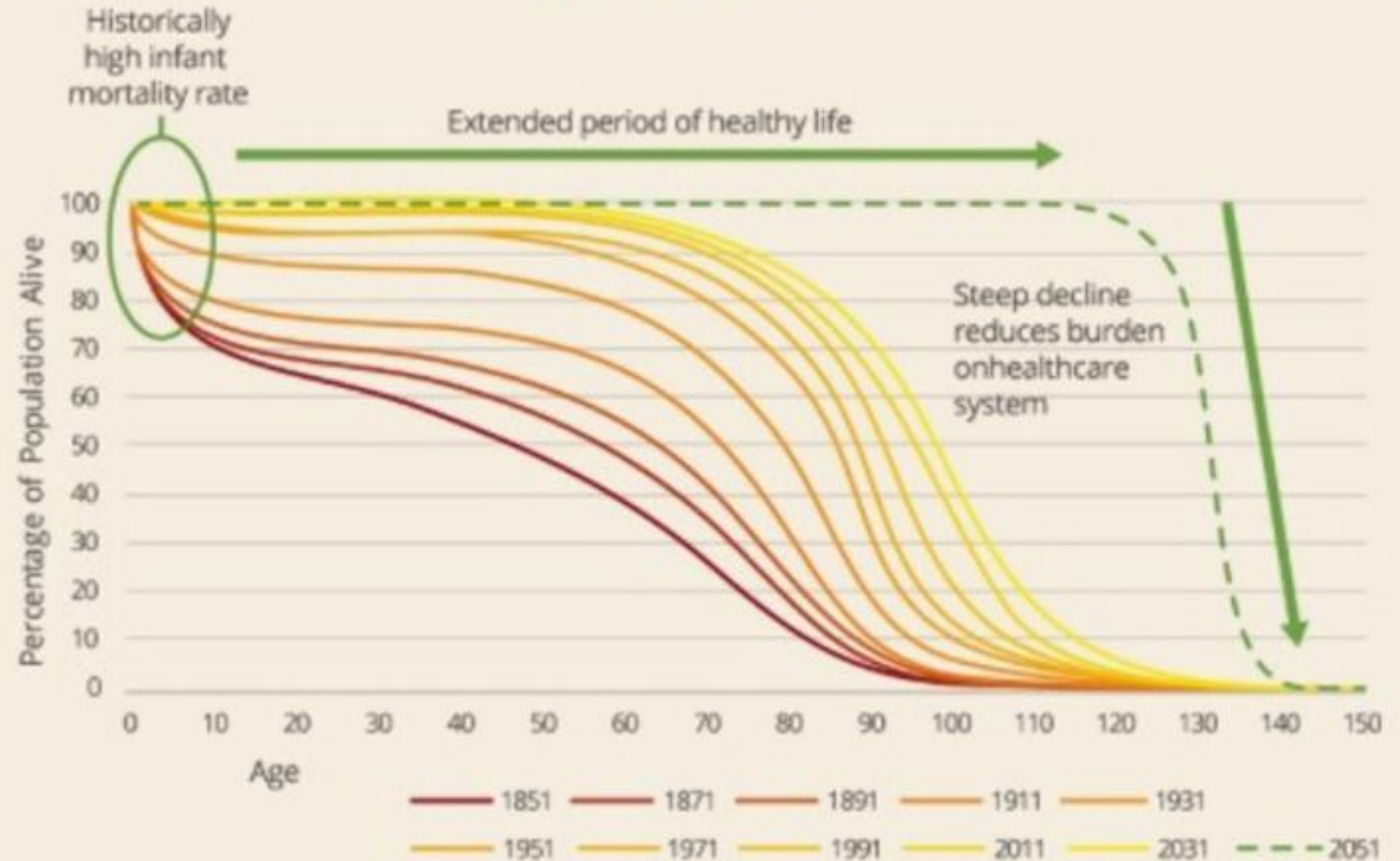
Mannfjöldi 1. janúar - 67 ára og eldri

Norðurland eystra



Increased life expectancy + repairs and spare parts delivered by the health system = extended period of healthy life, increased self-sufficiency and reduces the burden of the welfare service

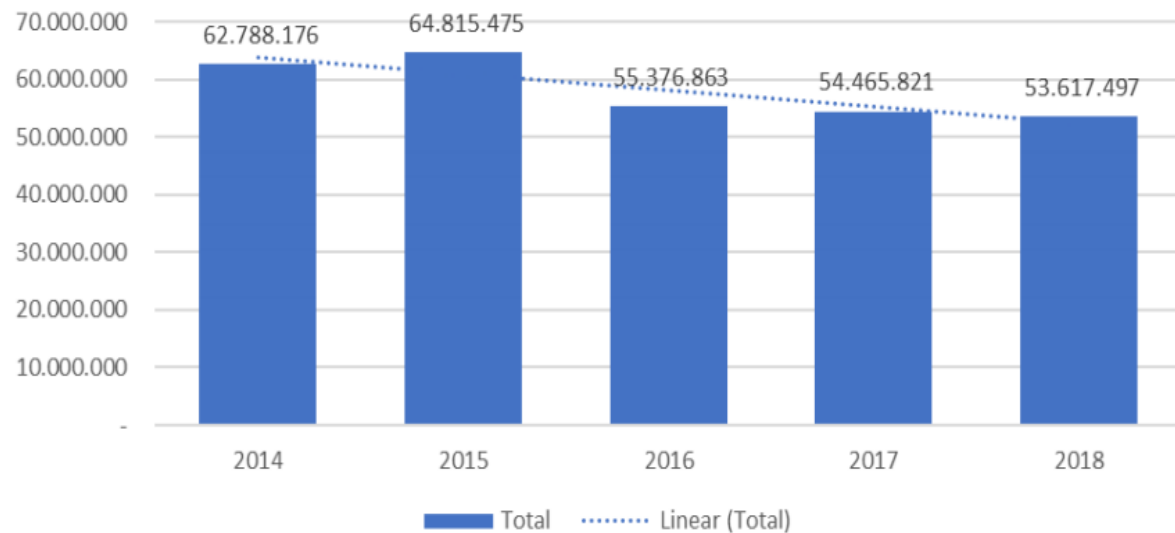
PERCENTAGE OF POPULATION ALIVE AT GIVEN AGE BY BIRTH YEAR



Source: Office for National Statistics UK

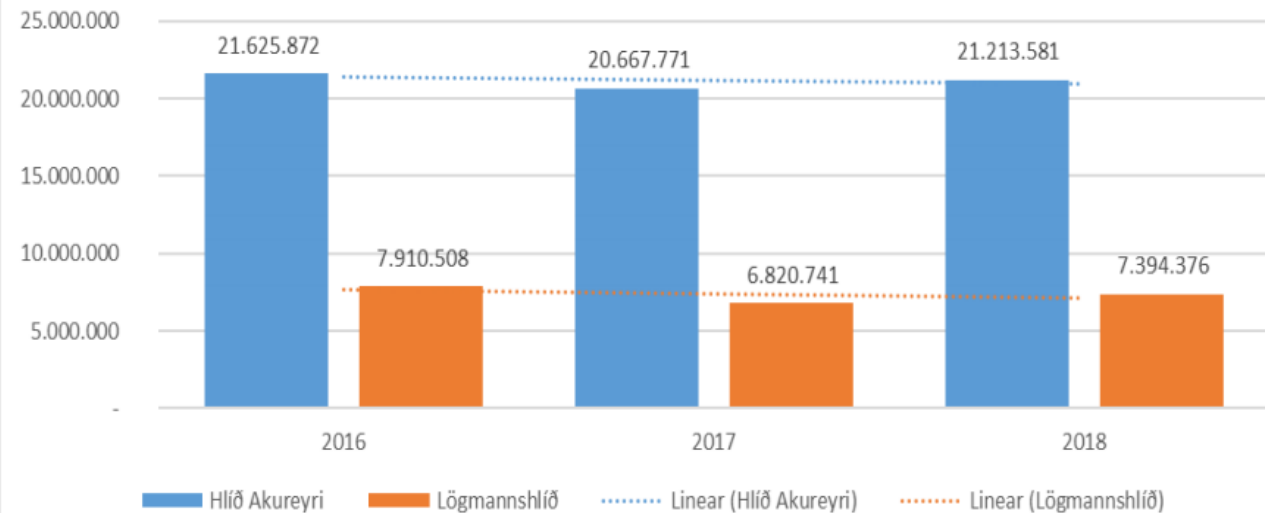
Technology / smart tech, automation,
information and awareness = changes and
development in procedures, safety and quality

Lyf og hjúkrunarvörur



Mynd 10 Lyf og hjúkrunarvörur, heildarkostnaður

Innkaup heimila í Timian



Mynd 5 Matarkostnaður rekstrareininganna í Hlíð og Lögmannshlíð

Increased quality and benefits in Denmark - DK 521 million = IS 8.692 million. ikr. in two years?

metrobyggeriet egentlig din hverdag?

Velfærdsteknologi sparer kommuner for en halv milliard

20. juni 2017 kl. 04:59

Ifølge en måling fra KL sparer spiserbotter og anden moderne teknologi kommunerne millioner og skaber et bedre arbejdsmiljø i ældreplejen.

Loftrulle, som bærer dig ud af sengen. Vasketoiletter, der skyller dig. Og spiserbotter, som hjælper dig med at spise.

Det er nogle af de velfærdsteknologier, som har sparet landets kommuner for 521 millioner kroner fra 2014 til 2016. Det viser en måling af det fælles kommunale

VI BLANDER IKKE ÆBLER OG PÆRER...
En dybtgående analyse af, om og hvorfor, når du mister overblikket.

Mest læste

- 4. oktober 2017: Patruljevogn smadret
- Vandvoldsted ville ramme beboerne
- 30. 08. 16: Bil i brand: Højt brag vækkede naboe

BT SPORT BT PLUS HERE + Q

Velfærdsteknologi sparer kommuner for en halv milliard

20. JUNI 2017 - 5:12

Spiserbotter og anden moderne teknologi sparer kommuner millioner og skaber bedre arbejdsmiljø i ældreplejen.

København. Loftrulle, som bærer dig ud af sengen. Vasketoiletter, der skyller dig. Og spiserbotter, som hjælper dig med at spise.

Det er nogle af de velfærdsteknologier, som har sparet landets kommuner for 521 millioner kroner fra 2014 til 2016. Det viser en måling af det fælles kommunale program for velfærdsteknologi, som Kommunernes Landsforening står bag.

Sweet-deal

Langtids-holdbare helårs dýner og puder i bambus

PRIS FRA 399,- SPAR 64% KØB NU

BIRMINGHAM

Magasinet Pleje

Nyheder Køb & Salg Job Udbud Kurser Virksomheder Messer

Forside Byggeri Ernæring Hjælpemidler Pleje

Vild besparelse med velfærdsteknologi

20. juni 2017 08:20 | Af Ritzau/ | Tip redaktionen om en historie

Modelfoto: Colourbox

Spiserbotter og anden moderne teknologi sparer kommuner for en halv milliard og skaber bedre arbejdsmiljø i ældreplejen.

Landets kommuner har fra 2014-2016 samlet set sparet 521 millioner kroner ved at implementere forskellige velfærdsteknologier i arbejdet med handicappede og ældre borgere.

Det viser en måling af det fælles kommunale program for velfærdsteknologi, som Kommunernes Landsforening står bag.

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mandagmorgen

LOG IND

FORSIDE VIDENBANK TÆNKETANK NETVERK OM MM JOBANNONCER

Løkke taler globalt og handler lokalt 5. oktober 2017

Gyldne drømme om arkust på vindmølleparker falmer 1. oktober 2017

Stilhed før stormen i Venstre 1. oktober 2017

EU's fordeling af flygtninge har fejlet 1. oktober 2017

"Vi begynder ikke med teknologien, men med borgeren. Det er helt uomgængeligt"

Af Jens Reiermann | 1. oktober 2017 kl. 0:00 |

AARHUS UNIVERSITET
STABSCHEF TIL AARHUS UNIVERSITETS LEDELSE

Vil du være en del af en spændende international og ambitiøs arbejdsplads med et stort ansvar for at bibrage til samfundets udvikling? Kan du både lede en dygtig stab, være den øverste ledelses strategiske sparringspartner og samarbejde med et bredt felt af interessenter i en kompleks og politisk drevet organisation? Læs mere og søg via <http://www.aau.dk/om/stillinger/>

MEST LÆSTE ARTIKLER

1. Fra udenforskab til fællesskab
2. Verdensmølene efter to år: Danmark er næstbedst, men...
3. Danmark som Europas førende iværksætternation
4. Politisk detaljstyring æder uddannelsers ledelsesfrihed

Jakob Kyndal er som direktør for Sundhed og Omsorg i Aabenraa Kommune blevet klogere. Velfærdsteknologi handler om borgernes gode liv - og ikke længere om teknologi og dens muligheder. Og så er velfærdsteknologien blevet et fast punkt på

Municipalities, health districts and social service areas and other area and zones and silo thinking



Welfare technology

- It's not about betting on technology to save money.
- It is about creating, developing, adapting and using technology to increase the quality of life and autonomy of individuals, families and society.
- Changing society, new and constant developments in technology and solutions,
- Focus on: Technology in works/on task – Use people/manpower for the relationship and communication . **Empowerment**
- Environmentally friendly, real possibility and economical: See - The experience of Covid, remote/distance health service
- Municipalities, institutions and between countries: we need to learn from each other and facilitate cooperation, between states, municipalities, institutions, systems...

Nordic priorities and co-operation projects

- Nordic welfare center
- Co-operation between ministries of health and social affairs.
- CONNECT
- VOPD
- Akureyri hospital, health center and Akureyri municipality
- ALFA
- MEMAXI

NEW VOPD WEBINAR SERIES: Technology use for Covid-19 response

Webinar 1: October, 15 9.00-10.30 CET

Implemented distance spanning services in the Nordics

Niclas Forsling, Centre for Rural Medicine, Storuman, Sweden
Bengt Andersson, Nordic Welfare Centre, Stockholm, Sweden

Healthcare and distance spanning solutions work – they help to protect our most vulnerable citizens.

Our publication of 24 practical examples shows how distance spanning services perform in real life. If citizens know about them, they can require and use them.

Our webinar will reveal these solutions to the broader public, as already today we can protect our most vulnerable citizens from unnecessary physical contacts and shield them from Covid-19 by just applying simple technology that is well-tested and already implemented.

Join us for the webinar [here!](#)



Suggestions and next steps

Target groups (main)

- The elderly
- Handicapped
- Relatives
- Long-term illness
- Mental health services
- People in rehabilitation
- Staff in charge of the above groups

Area of operation

- Northeast (31,000)
- Northwest (7,300)
- Iceland
- Artic Circle (Arctic)

Potential partners

- Municipalities in the area
- University of Akureyri
- SAK and HSN
- Private companies in the field
- Other municipalities
- Association of municipalities at home and abroad
- The Nordic Welfare Center
- The Nordic countries (municipalities and companies)
- Care.net in Denmark
- CCP - a virtual reality company
- More....

Welfare technology and e-health cluster.

New knowledge, new services and jobs, exports

The model: ocean / seafood cluster in Iceland.

- Key figures for welfare technology companies and assistive technology manufacturers in Denmark:
 - - Over 300 companies in assistive technology development and production.
 - - A total of about 1,000 companies dealing with welfare technology as a whole (services, innovation, output).
 - - ISK 93.8 billion in total revenue (2017).
 - - ISK 25.8 billion in total contribution to Denmark's GDP (2016).
 - - 3,600 employees in the general labor market (2017).
 - - ISK 24 billion in exports.
 - - Lots of small and medium-sized companies as well as Danish production companies.

Strengths:

- Extensive knowledge of remote/teleworking in the North.
- Powerful institutions in the area, e.g. HA, HSN and SAk.
- ÖA and HSN's experience in welfare technology.
- Technology companies in the North.
- Studies in the field of technology and care - nursing, teaching, occupation, psychology, etc.
- Akureyri and Reykjavík have worked together in welfare technology and are the only municipalities that have systematically launched projects and worked on strategic planning.

Opportunity:

- Vision and age development.
- Staff strengthening.
- Development of knowledge in the area.
- New jobs - job creation and new opportunities.
- Education and job development.
- Competitive and marketing opportunities.
- Welfare technology cluster in the North?

Ideas for the form of operation

- Co-operation between municipalities
- Cooperation with ministries, social, health, employment, innovation, - regional affairs
- Creating a CLUSTER ??
- Grants (funds and ministries)
- Agreements (sv.fél)
- Initial contribution / annual fees (municipalities etc..)
- Service charges (at later stages, users and institutions)

Financial / operating plan for 2023 - example

	2021	2022	2023
Tekjur			
Samningar við sveitarfélög	17,250,000	17,250,000	24,250,000
Áskrift	1,980,000	3,100,000	6,000,000
Ráðgjöf og fræðsla	600,000	3,440,000	6,860,000
Annað	1,000,000	3,000,000	1,000,000
Samtals	<u>20,830,000</u>	<u>26,790,000</u>	<u>38,110,000</u>

For the first 2 years, we only expect contract payments with the founding municipalities, but in the third we expect to get more municipalities to cooperate. Other income is subscribing to a newsletter, consulting / education / analysis and holding conferences.

What's in it – gaining !

- Leading role in the field of welfare technology and e-health in the Arctic
- Knowledge base / dissemination and dissemination of information
- Network and contact
- Center for the area (the whole country)
- Job creation
- Collaborate and coordinate - do better, meet uncertainty and new projects
- We believe that this report can help raise awareness of the much-needed welfare technologies in society.
- ... That all parties see an advantage in establishing a co-operation on a welfare technology center/cluster, which is at the same time a knowledge, information and service center.
- It is desirable that such a center can start operating as soon as possible.

Next step: Who and who wants and will be... !!!

- The idea is here,
- The expected cost of the start is presented,
- The benefits are obvious, both in the short and long term
- The opportunity is here and could be like a well-known heavy industries
- To start the take-off - you need a vision for the future, support, co-operation, solidarity and the regional / local authorities' flight permit

Discussion and questions

- In the last 10 years, Nordic municipalities have technologically developed their welfare services.
- Opportunities for social services have been defining their needs, focusing on innovation and the export sector, e.g. in Denmark
- Focus project at the Nordic Welfare Center (VOPD, Connect, Welfare technologi etc.)
- Unused opportunity in Iceland?
- What if the North Region in Iceland takes the lead in this field?
- The window is open - now
- Interest, ingenuity, knowledge and collaboration opportunities...
- What do you think?