

Hæmatologisk afdeling



MM Hjemmebehandling

FSK Landskursus

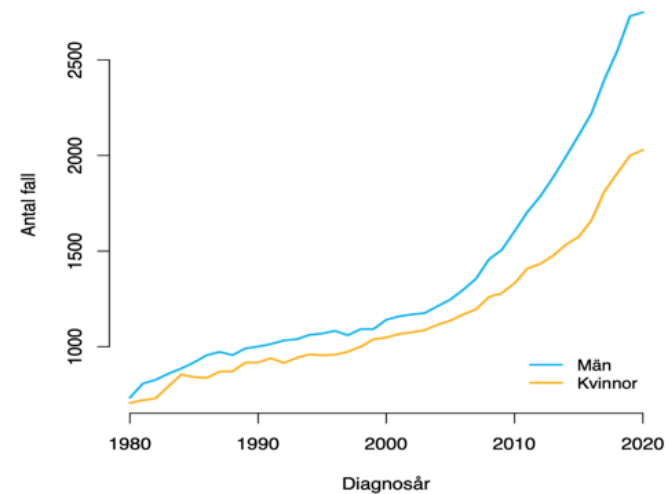
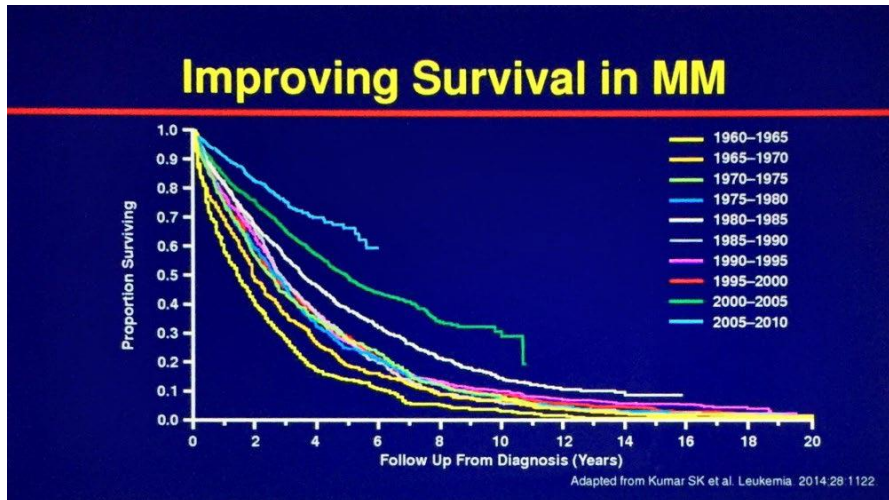
D. 08. November 2024

Mette Kjær Hansen & Jannie Kirkegaard

Agenda

- MM hjemmebehandling
 - Demografiske udfordringer og baggrund for hjemmebehandling
- Hjemmebehandlingsprojekter
 - Projektgennemgang af Jannie
 - Hjemmebehandling i praksis af Mette

Forbedret overlevelse



Prevalence MM Sweden

Så vi skal ikke kun ligge år til livet -
men også liv til årene

Udfordringer

Vores mål

Løsning af udfordringerne at empower patienterne teknologisk

Step 1



Step 2



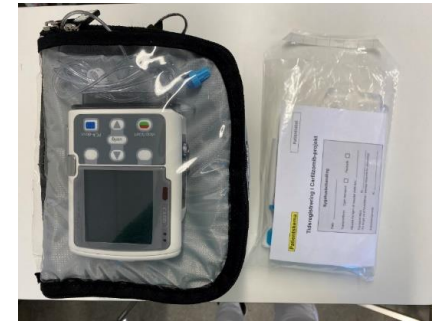
Step 3



Hvem er vi?



Projekter



Velcade i eget hjem

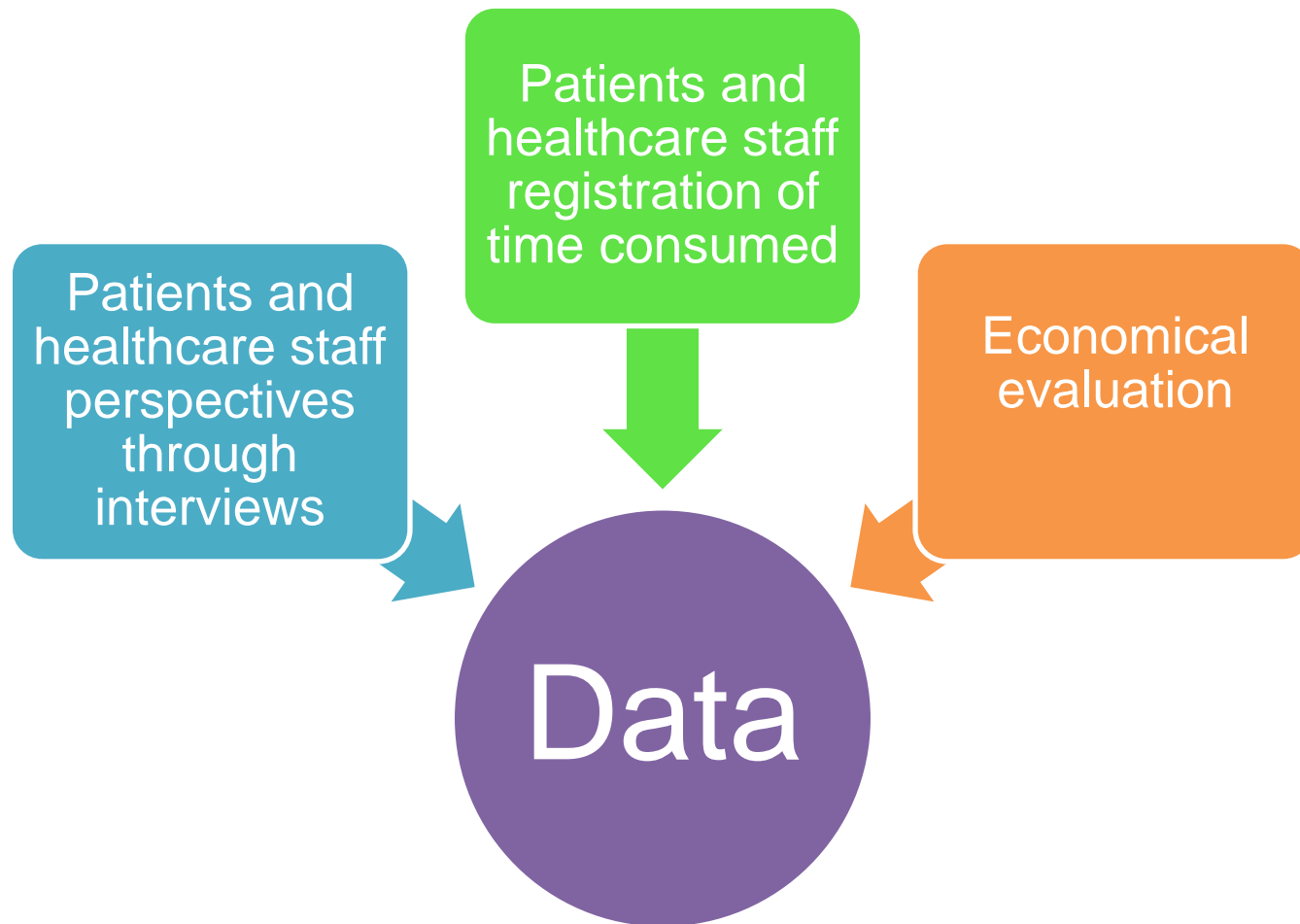


2020

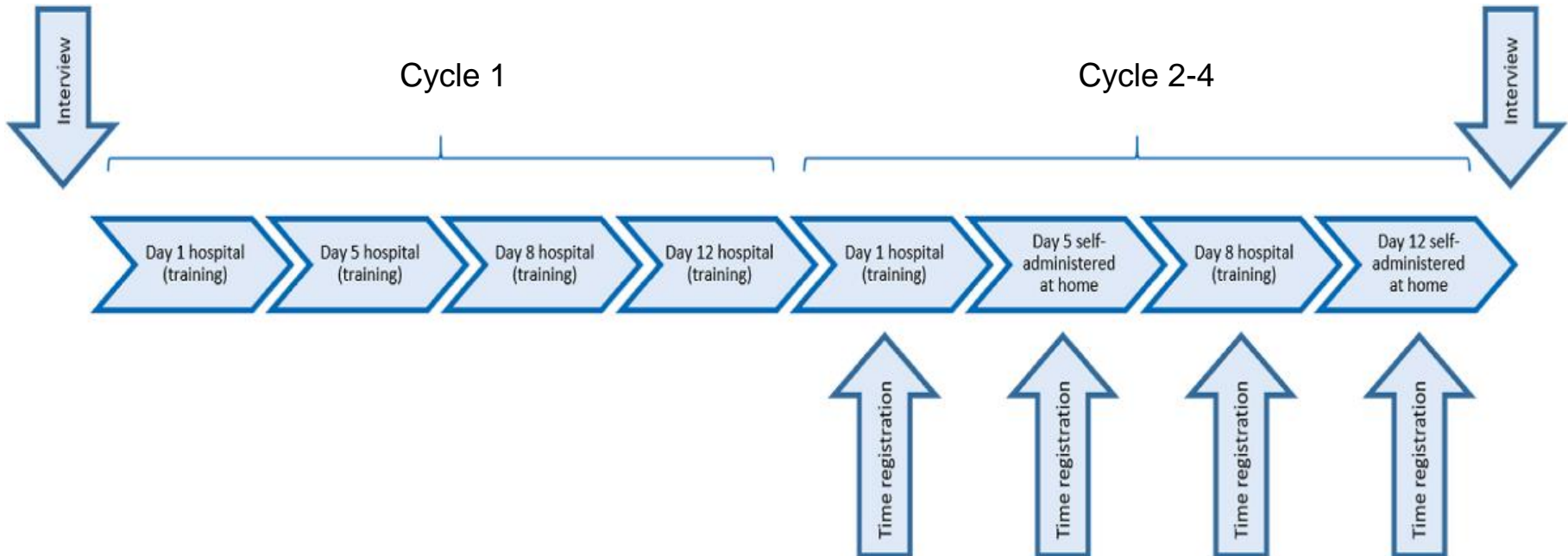
10 patienter

Patient no.	Age (years)	Sex	Employment	Years since diagnosis
1	73	M	Farmer. Retired	10
2	81	M	Electrician, mechanic. Retired	5
3	79	M	Farmer. Retired	6
4	73	M	Farmer. Retired	5
5	59	M	Own printing business. Early retirement	2
6	71	F	Farmer's wife. Still own the farm	1*
7	57	F	Former lab technician; now accountant. On sick leave	1*
8	84	F	Shop assistant. Retired	0.5*
9	69	M	High school teacher. Retired	1*
10	68	F	Factory worker. Retired	0.5*

Velcade i eget hjem



Velcade i eget hjem



72 administrerede injektioner –
24 at hjemme og 48 på sygehuset

Ingen kasserede injektioner!

Themes from qualitative data

Home is best

This theme emphasized that both patients and health professionals thought of home-administration as the most favorable solution, primarily due to saved time and increased flexibility.

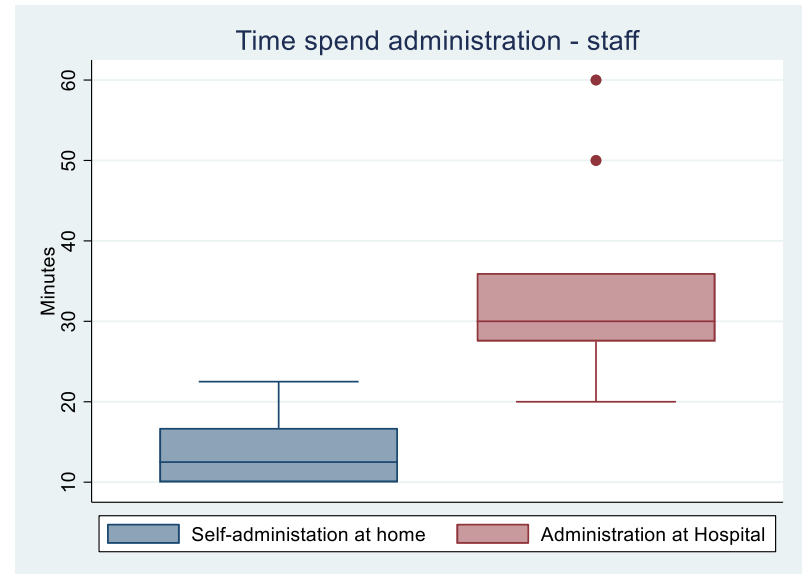
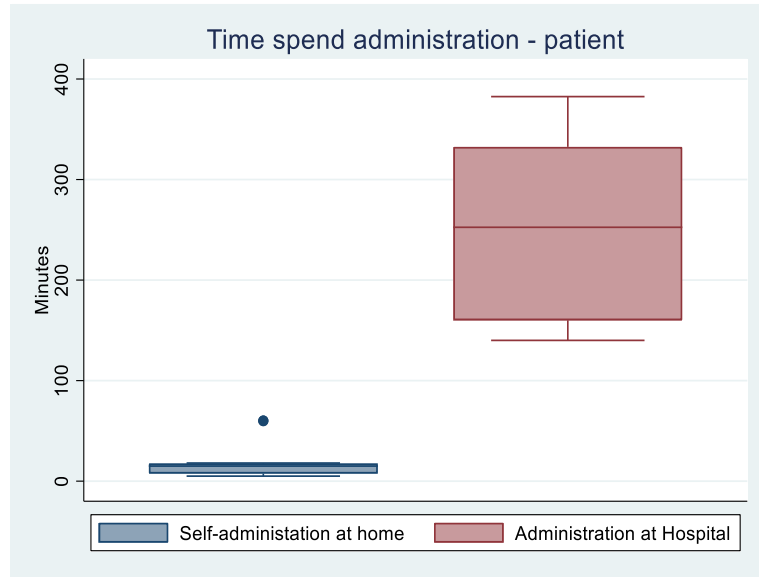
Everyone is different

This theme emphasized that not all patients seemed equally eligible for self-administration of their treatment e.g. newly diagnosed patients. Nevertheless, healthcare professionals agree on which patients are suitable.

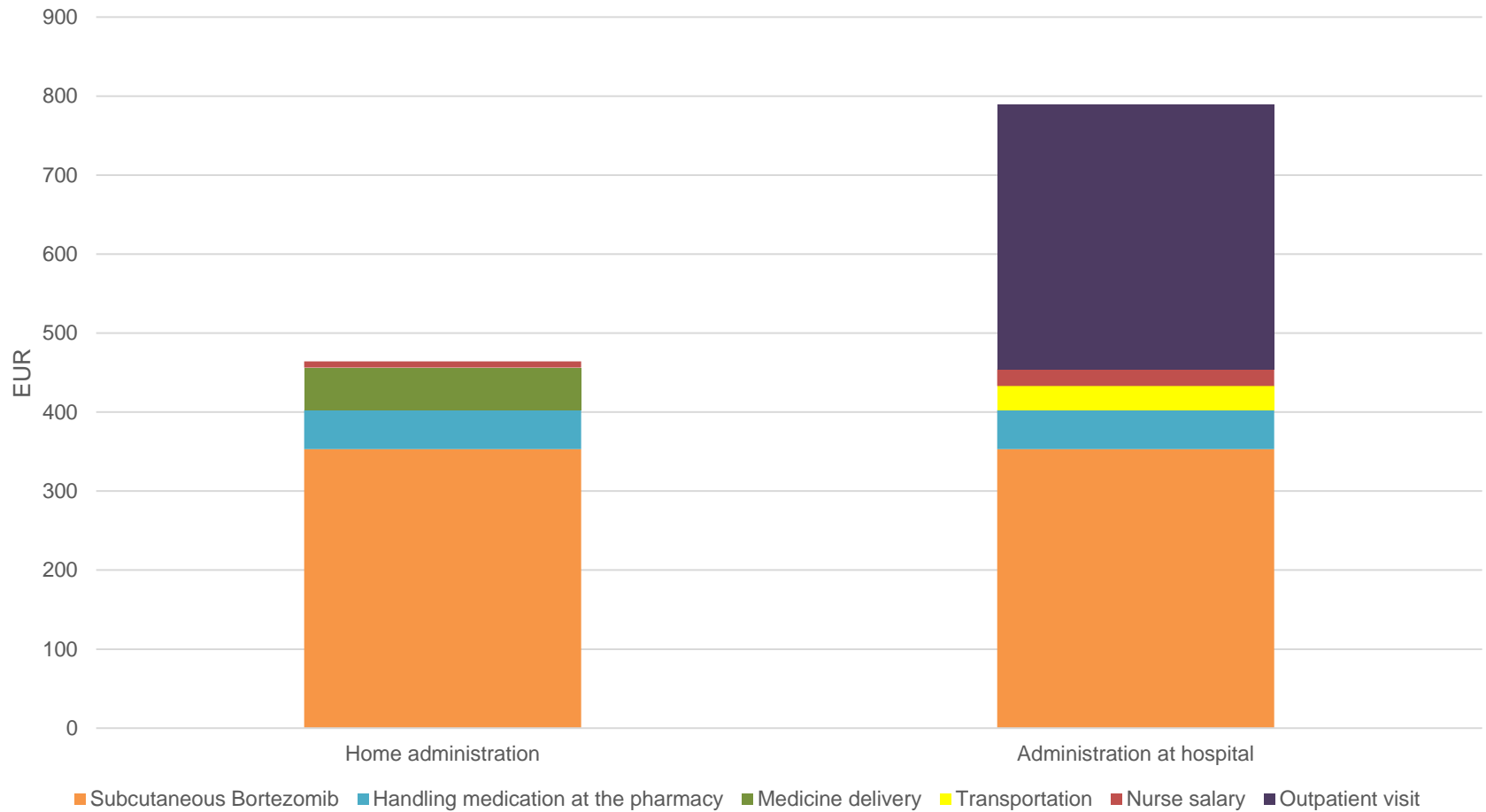
Safety first

This theme emphasized that it was important - for both patients and health professionals that self-administration had a safety net to ensure safety and efficiency.

Anvendt tid

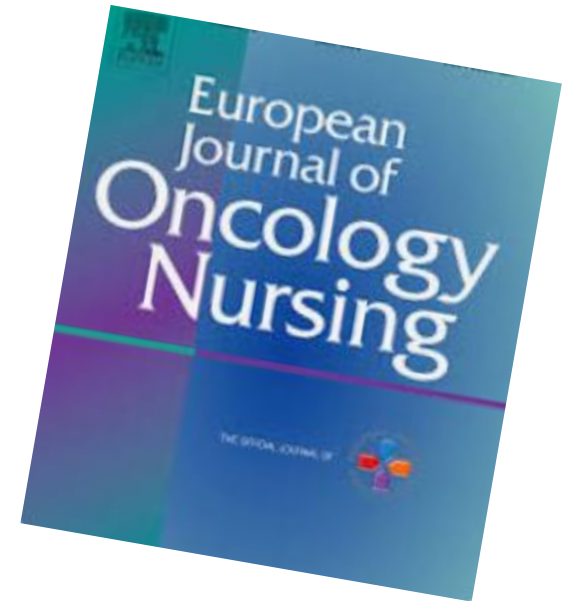


Socio-økonomisk evaluering





Vil du vide mere?



Home is best. Self-administration of subcutaneous Bortezomib at home in patients with multiple myeloma - A mixed method study.

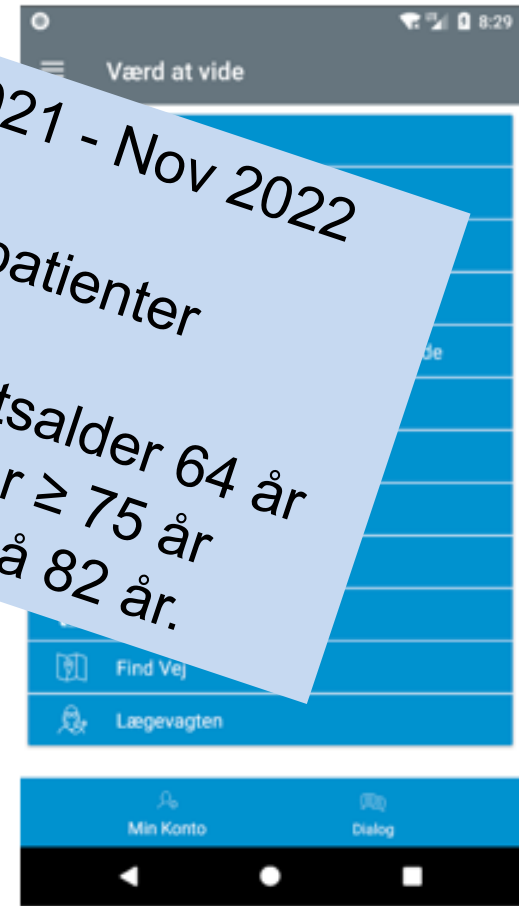
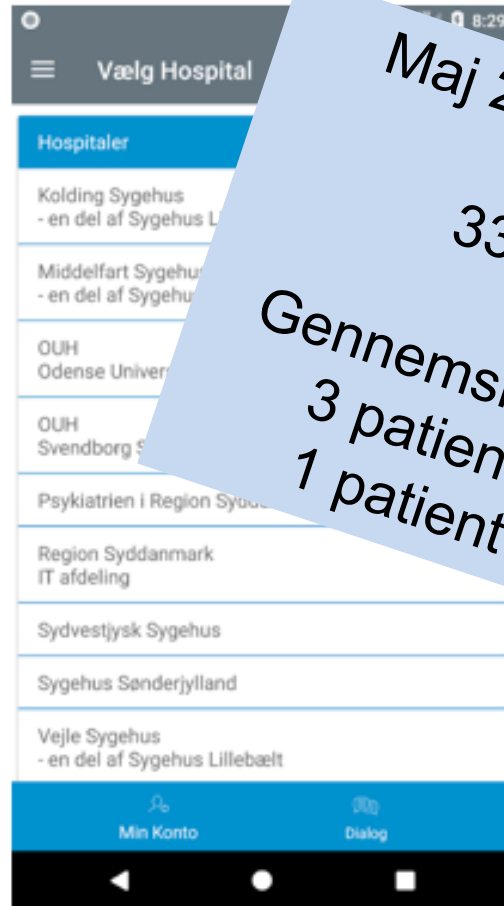
Kirkegaard J, Lundholm BW, Rosenberg T, Lund T, Gundesen MT, Dieperink KB.

Eur J Oncol Nurs. 2022 Oct;60:102199. doi: 10.1016/j.ejon.2022.102199. Epub 2022 Sep 6.

PMID: 36162259 **Free article.**

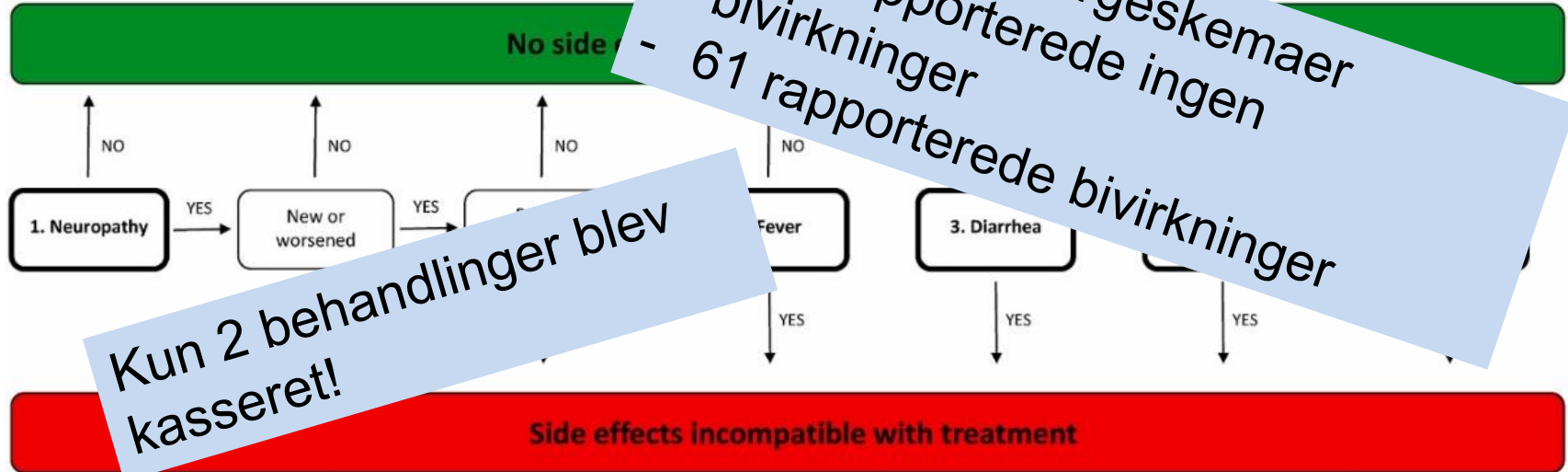
Velcade i eget hjem – i klinikken

Klar kur



Maj 2021 - Nov 2022
33 patienter
Gennemsnitsalder 64 år
3 patienter \geq 75 år
1 patient på 82 år.

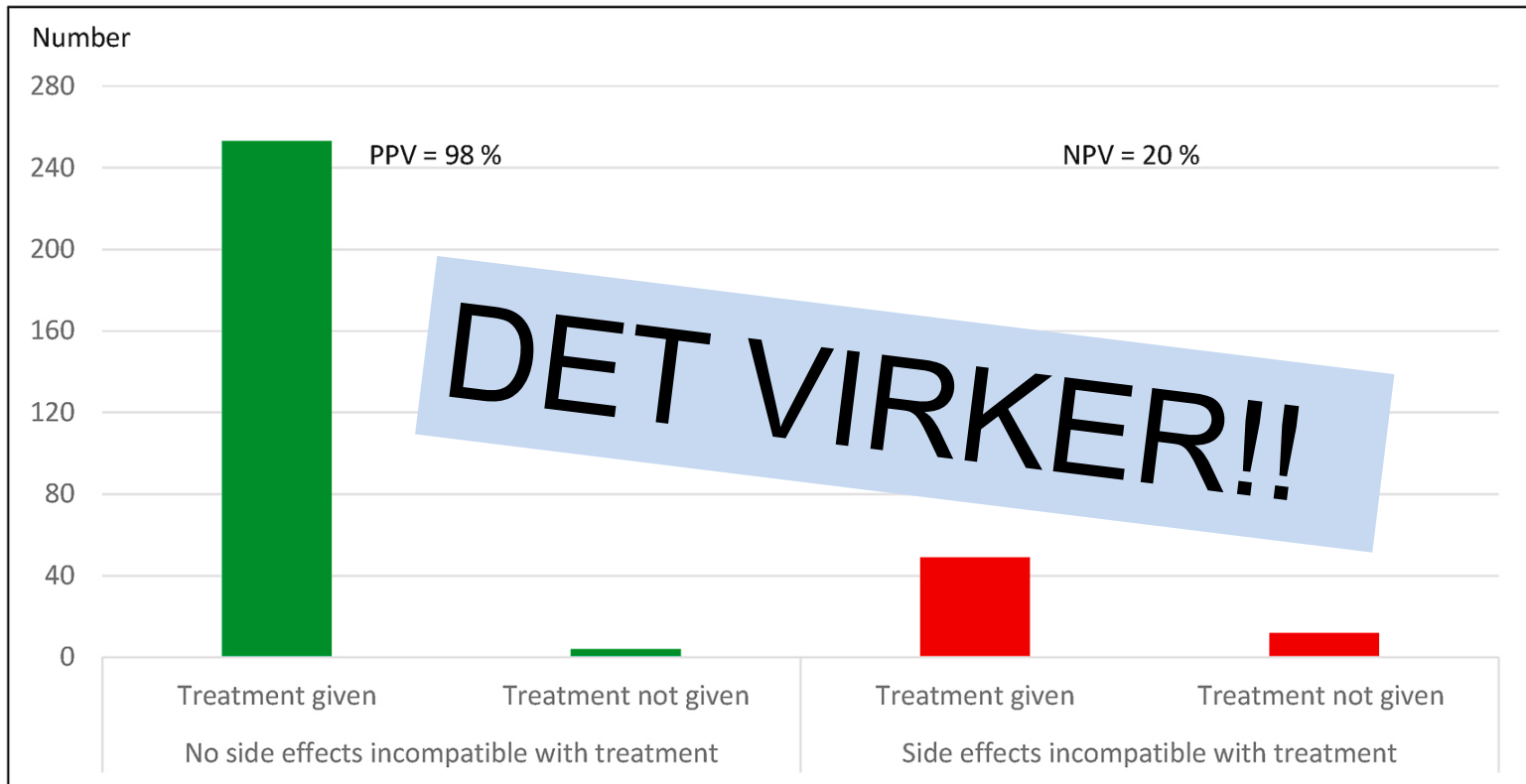
Algoritmen



319 udfyldte spørgeskemaer
- 258 rapporterede ingen bivirkninger
- 61 rapporterede bivirkninger

Kun 2 behandlinger blev kasseret!

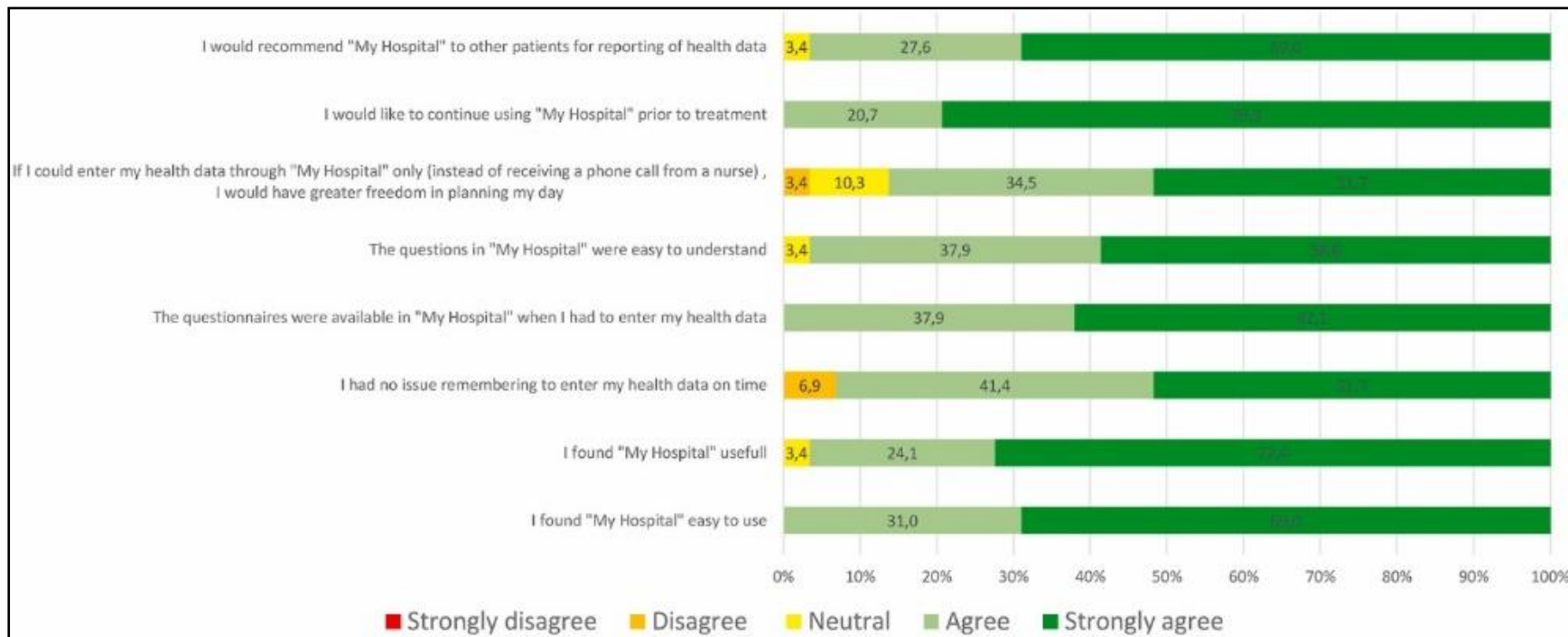
Positive Predictive Value



Tilfredshed med app'en

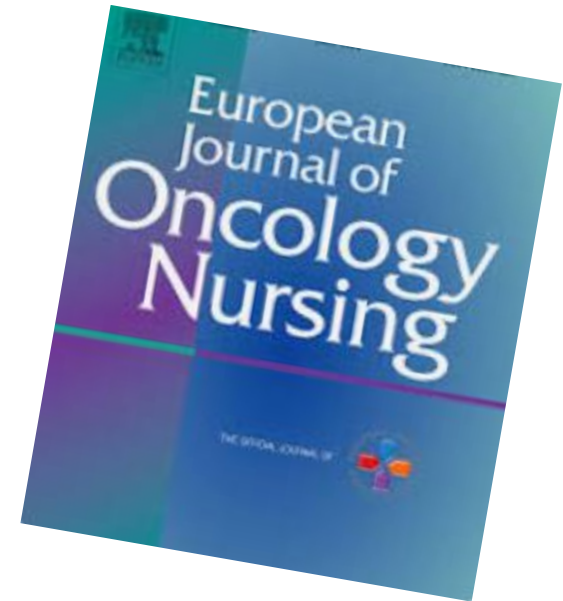
Theme	Qualitative findings
<i>The app is reliable</i>	Patients felt competent assessing their own physical condition Nurses observed mainly correct patient-reports
<i>Rather an app than a phone call</i>	Patients were satisfied with the app and found it easy to use Patients found it more flexible and stated that it made them feel more independent
<i>After start-up issues, the app works well</i>	At start, the app was unfamiliar to nurses, and they found it difficult to introduce patients After getting to know the app, nurses expressed that it eased their work

Tilfredshed med app'en





Vil du vide mere?



Making decisions for follow-up chemotherapy based on digital patient reported outcomes data in patients with **multiple myeloma** and other M protein diseases - A mixed method study.

Rosenberg T, Kirkegaard J, Tveden MG, Hyldig N, Dieperink KB, Steffensen NH, Ulriksen SB, Lund T.

Eur J Oncol Nurs. 2024 Feb;68:102455. doi: 10.1016/j.ejon.2023.102455. Epub 2023 Nov 10.

PMID: 37984313 **Free article.**

Klar kur – i klinikken

DAPHNE – i klinikken

Hjemme-Carfi



AMGEN



Hjemme-Carfi

	Serie 2 Dag 1 OUH	Serie 2 Dag 2 OUH	Serie 2 Dag 8 OUH	Serie 2 Dag 9 OUH/ HJEMME	Serie 2 Dag 15 OUH	Serie 2 Dag 16 OUH/ HJEMME	Serie 3 Dag 1 OUH	Serie 3 Dag 2 HJEMME	Serie 3 Dag 8 OUH	Serie 3 Dag 9 HJEMME	Serie 3 Dag 15 OUH	Serie 3 Dag 16 HJEMME	Serie 4 Dag 1 OUH	Serie 4 Dag 2 HJEMME	Serie 4 Dag 8 OUH	Serie 4 Dag 9 HJEMME	Serie 4 Dag 15 OUH	Serie 4 Dag 16 HJEMME
Dato																		
Carfilzomib gives i afd. X4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> *	<input type="checkbox"/>	<input type="checkbox"/> *	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
Carfilzomib + remedier medgives til hjemmebehandling			<input type="checkbox"/> **		<input type="checkbox"/> **		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
Udlever 6 stk. patient-tidsregistreringsskemaer til patienten						<input type="checkbox"/>												
Tidsregistrering Spl. + evt. indsamle tidsreg.skemaer fra patient fra ugen før	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> *	<input type="checkbox"/>	<input type="checkbox"/> *	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	***
Tidsregistrering Patient								<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
Interview Patient																		<input type="checkbox"/>

Hjemme-carfi – i klinikken



ERICA



Elratamab versus teclistamab



Hvad er nyt



ERICA

Cycle (28 days)	1					2-6				EOP1	7-	EOP1
Day of visit	1 ¹	4 ²	8	15	22	1	8	15	22	+/- 5 days	1	+/- 5 days
Treatment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Training in self-administration			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
Doctors appointment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Physical examination	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nurse phone call (assessment of side effects)							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	
Bloodsamples	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vital signs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
QoL on app	<input type="checkbox"/>					<input type="checkbox"/>				<input type="checkbox"/>		
Registration of side effects on app							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Registration of time spend on app						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Interview												<input type="checkbox"/>

Days in red = self-administration in patients' own home

¹ 48 hours hospitalization

² 24 hours hospitalization

Fremtidsplaner

- Ny samt ikke-patenteret SC og IV behandlinger
 - Hjemmebehandling
 - PRO i klinisk praksis
- Dansk tværfaglig hæmatologisk netværk
 - National protokol med fokus på de sundhedsøkonomiske gevinster ved hjemmebehandling til patienter med hæmatologiske lidelser

Tak til...

- Patienter, pårørende, personale og afdelingsledelse. Hæmatologisk afdeling X, Odense Universitetshospital
- Janssen-Cilag, Pfizer og Amgen

Spørgsmål?

Thanks for
listening
to me...



Mette Kjær Hansen
Mette.Kjaer.Hansen@rsyd.dk

Jannie Kirkegaard
Jannie.kirkegaard@rsyd.dk
Tlf. nr. +45 2964 8494