

# SPICT research

Is it possible to study the effects of  
using SPICT?

Yvonne Engels, associate professor in timely palliative care  
Nijmegen  
[Yvonne.Engels@radboudumc.nl](mailto:Yvonne.Engels@radboudumc.nl)

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## Aim of SPICT

The SPICT™ is used to help us identify people at risk of deteriorating and dying with one or multiple advanced conditions for holistic, palliative care needs assessment and care planning

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# Aspects to consider when studying its effect

## Case-finding?



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Downar et al BMC Med. **2017**;15:139.

White et al CMAJ. **2017**;189:E484-E493

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# Aspects to consider when studying its effect

## Screening?



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Mitchell G Palliat Med. 2018;32:384-394.

Veldhoven et al. Submitted 2018

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# Which outcome measures?



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**Radboudumc**

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# Which outcome measures?

Palliative care needs,  
deterioration,  
critical transitions



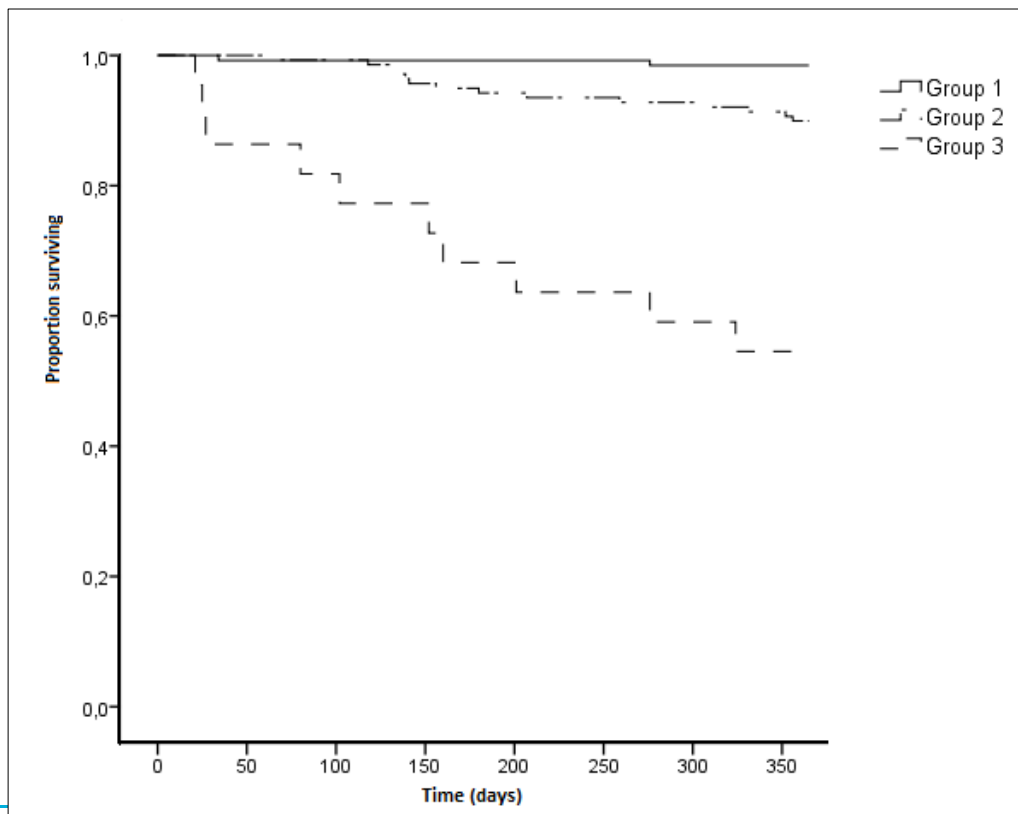
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	Group 1 (n =122)	Group 2 (n = 129)	Group 3 (n = 21)	P value
Consultations GP; mean (SD)				
- At practice	3.45 (2,81)	3.69 (3.36)	3.90 (4.73)	0.850
- Telephonic consultation	1.58 (1.66)	2.99 (3.67)	2.05 (1.53)	<b>0.009</b>
- Home visits	1.10 (2.39)	4.46 (6.79)	7.10 (6.72)	<b>0.000</b>
Total	6.13 (4.42)	11.14 (8.29)	13.05 (6.98)	<b>0.000</b>
Total contact with general practice <sup>1</sup>	8.87 (6.11)	15.23 (10.49)	17.24 (9.16)	<b>0.000</b>
Contact with out of hours service; mean (SD)				
- Consultation	0.05 (0.22)	0.09 (0.35)	0.00 (0.00)	0.478
- Telephonic consultation	0.11 (0.38)	0.37 (0.88)	0.81 (1.12)	<b>0.000</b>
- Home visit	0.09 (0.43)	0.31 (0.71)	0.48 (0.81)	<b>0.001</b>
Total	0.25 (0.68)	0.77 (1.42)	1.29 (1.59)	<b>0.000</b>
Emergency Room visits; mean (SD)	0.19 (0.50)	0.26 (0.55)	0.14 (0.36)	0.406
Hospitalizations; mean (SD)	0.15 (0.42)	0.16 (0.42)	0.24 (0.54)	0.692



	Group 1 (n = 122)	Group 2 (n = 129)	Group 3 (n = 21)	P value
Dimensions discussed <sup>1</sup> ; n (%)				
- Somatic	115 (94%)	127 (98%)	21 (100%)	0.122
- Social	32 (26%)	49 (38%)	8 (38%)	0.120
- Psychological	45 (37%)	59 (46%)	12 (57%)	0.138
- Existential	22 (18%)	41 (32%)	12 (57%)	<b>0.000</b>
Total number of dimensions; median (IQR)	2 (1)	2 (2)	3 (1)	<b>0.000</b>
ACP directives <sup>2</sup> ; median (IQR)	0 (0)	0 (0)	0 (2)	0.299
ACP aspects <sup>1</sup> ; n (%)				
- Discussing end-of-life wishes	12 (10%)	17 (13%)	3 (14%)	0.666
- Discussing dying scenarios	0 (0%)	2 (2%)	3 (14%)	<b>0.000</b>
- Discussing preferred place of death	0 (0%)	4 (3%)	4 (19%)	<b>0.000</b>
- Assignment for out of hours GP care	5 (4%)	16 (12%)	5 (24%)	<b>0.006</b>
Total number of ACP aspects and directives; median (IQR)	0 (0)	0 (1)	1 (3)	<b>0.002</b>
At least one ACP aspect or directive	24 (20%)	44 (34%)	11 (52%)	<b>0.002</b>
At least one ACP aspects or directive discussed before May 2016	41 (34%)	75 (58%)	17 (81%)	<b>0.000</b>
At least one ACP aspects or directive, over all time	53 (43%)	91 (71%)	19 (90%)	<b>0.000</b>
Other palliative care aspects <sup>1</sup> ; n (%)				
- Discussing personal aspects of quality of life	0 (0%)	3 (2%)	0 (0%)	0.186
- Discussing personal goals	2 (2%)	4 (3%)	3 (14%)	<b>0.011</b>
- Discussing preferences for treatment	18 (15%)	42 (33%)	5 (24%)	<b>0.004</b>
- Involving family and loved-ones in planning care	18 (15%)	42 (33%)	11 (52%)	<b>0.000</b>
- Providing care for family and loved-ones	2 (2%)	10 (8%)	3 (14%)	<b>0.020</b>



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