

# Disclosure presenter



✓	<b>No (potential) conflict of interests</b>	
✗	<b>1. Relations that could be relevant for the meeting</b>	
✗	<b>2. Sponsorship or research funds</b>	
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✗	<b>5. Other relation</b>	

## Nurse practitioners need to fill competence gaps in primary care

<https://audiojungle.net/item/corporate-opener-intro-logo-pack/2240829?rank=2>

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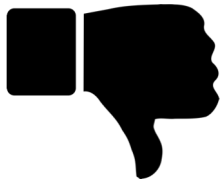
Vice dean, Faculty of Health and Social Sciences



## What did we find?



- Clinical decisions re. day-to-day care



- Involving physician/expertise



- When to send to hospital

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# Outline

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- Method
- Results
- Implications for practice



## Ms. Olsen

- 90
- Frail
- Home
- Response to developing symptoms?

How would you respond when Ms. Olsen *has fallen two times during the previous week?*

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1	No action required
2	Observe again the following day
3	Nursing related measure required immediately
4	Have patient assessed by physician
5	Requires acute help in hospital

Dyspnoea during rest	Skin ulcerations	Fresh blood in stool	Chest pain
Resp. frequency above 20/min	Reduced appetite	Increased needs to full care	Lost interest in keeping home in order
Increased and Irregular pulse	Not able to eat	Fallen two times during previous week	Short attention span and delusions
Temp. above 38.5	Pain in mouth	Partial paralysis	More tired during the day
Dehydrated	Stings when urinates	Changes in sight, hearing, speech and comprehension	

## Sample and analysis

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- 10 nursing home districts
- N=415 expert nurses, RNs, ANs and assistants
- Questback
- Non-parametric tests
- Comparison to correct answers



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## Sample characteristics

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- 46 % RNs
- 31 % ANs
- 13 % Assistants
- 6 % RNs with expert competence
- 14 years work experience (mean)
- 7, 5 years since last completed education (mean)

Symptom	Expert nurses	RNs	ANs	Assistants	p-value
Dyspnoea during rest	<b>64</b>	<b>64</b>	<b>42</b>	<b>22</b>	.000
Resp. freq. above 20/min	<b>100</b>	<b>91</b>	<b>81</b>	<b>70</b>	.000
Increased and irregular pulse	<b>56</b>	<b>53</b>	<b>45</b>	<b>30</b>	.001
Temp. above 38.5	<b>28</b>	<b>33</b>	<b>18</b>	<b>19</b>	.000
Dehydrated	<b>36</b>	<b>44</b>	<b>45</b>	<b>28</b>	.009

Symptom	Expert nurses	RNs	ANs	Assistants	p-value
Skin ulcerations	<b>88</b>	<b>83</b>	<b>75</b>	<b>67</b>	.073
Reduced appetite	<b>60</b>	<b>66</b>	<b>49</b>	<b>37</b>	.006
Not able to eat	<b>68</b>	<b>55</b>	<b>46</b>	<b>35</b>	.108
Pain in mouth	<b>84</b>	<b>78</b>	<b>74</b>	<b>58</b>	.021
Stings when urinates	<b>73</b>	<b>62</b>	<b>48</b>	<b>33</b>	.002

Symptom	Expert nurses	RNs	ANs	Assistants	p-value
Fresh blood in stool	48	52	54	43	.000
Increased needs to full care	60	66	52	46	.000
Fallen two times during previous week	58	49	31	32	.001
Partial paralysis	88	89	70	70	.000
Chest pain	76	78	57	39	.000

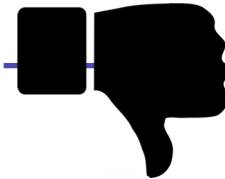
Symptom	Expert nurses	RNs	ANs	Assistants	p-value
Changes in sight, hearing, speech and comprehension	<b>72</b>	<b>64</b>	<b>43</b>	<b>29</b>	.000
Lost interest in keeping home in order	<b>68</b>	<b>66</b>	<b>51</b>	<b>40</b>	.006
Short attention span and delusions	<b>68</b>	<b>67</b>	<b>40</b>	<b>23</b>	.000
More tired during the day	<b>68</b>	<b>63</b>	<b>61</b>	<b>38</b>	.008

## What are the competence gaps?

**Nursing measure required immediately**



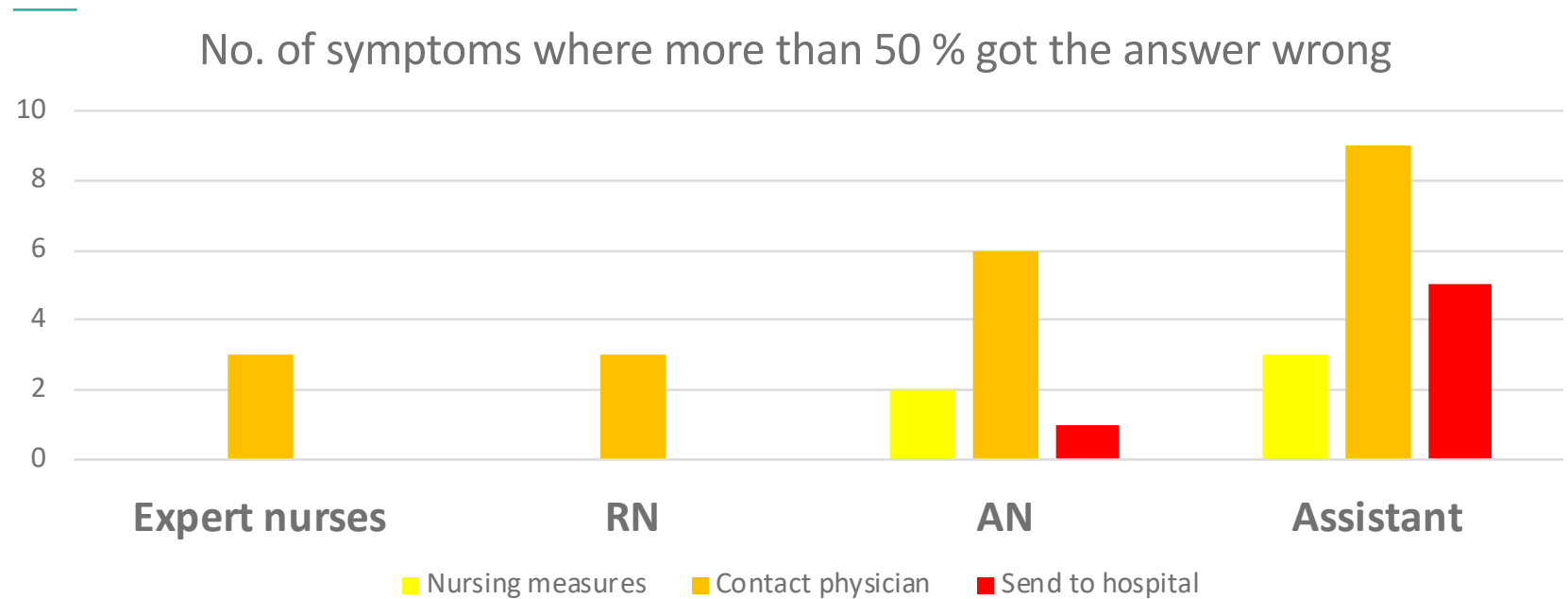
**Have patient assessed by physician**



**Requires acute help in hospital**



# Who lacks the competence?



# Nurse practitioners need to fill competence gaps in primary care





Thank you for your  
attention!



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