

# Supplementary Material

## Current and Future Prevalence Estimates of Mild Cognitive Impairment, Dementia, and Its Subtypes in a Population-Based Sample of People 70 Years and Older in Norway: The HUNT Study

**Supplementary Table 1. Interview with the participants regarding subjective cognitive function**

Question	Answer options			
1. Have your memory declined significantly during the last five years?	No	Yes	Don't know	
2. Have other functions (such as orientation, attention or language) declined during the last five years?	No	Yes	Don't know	
3. Are these functions poorer than in your peers?	No	Yes	Don't know	
4. If Yes in question 1 or 2: Does these changes concern you?	No	Yes	Don't know	
5. How long has it been since you noticed these changes?	Number of months			
6. How did it start?	Sudden	Gradually	Don't know	
7. How has it developed?	Worsening	Improvement	Unchanged	Don't know
7b. If worsening, how has the development been?	Gradually	Stepwise	Don't know	
8. Has this made it more difficult for you to do any of your activities in daily living?	No	Yes	Don't know	
9. Have you experienced seeing or hearing things that others don't experience?	No	Yes	Don't know	
10. Do others tell you that you have become overly suspicious or that you imagine things that are not real?	No	Yes	Don't know	

**Supplementary Table 2. Telephone interview on cognition with the participant's next of kin**

This was a semi-structured interview, based on the items in Table 1 in the manuscript. A small group of experienced assessors receiving specific training conducted the telephone interviews. In addition, questions regarding neuropsychiatric symptoms, level of functioning and stage of dementia were included, as outlined in Table 1 in the manuscript.

Question	Answer options			
1. Has his/her memory declined significantly during the last five years?	No	Yes	Don't know	
2. Have other functions (such as orientation, attention or language) declined during the last five years?	No	Yes	Don't know	
3. Are these functions poorer than in his/her peers?	No	Yes	Don't know	
4. If "Yes" in question 1 or 2: Does these changes concern you?	No	Yes	Don't know	
<i>If No in question 1 and 2 the interview was ended</i>				
5. Other symptom occurrence according to diagnostic criteria				
- Decline in orientation	No	Yes	Don't know	
- Recurrent visual hallucinations	No	Yes	Don't know	
- Fluctuations in cognition	No	Yes	Don't know	
- Early lack of inhibitions	No	Yes	Don't know	
- Early lack of compassion/empathy	No	Yes	Don't know	
- Early apathy or emotional indifference	No	Yes	Don't know	
- Early repetitive/compulsive behavior	No	Yes	Don't know	
- Putting things in his/her mouth/changed eating pattern	No	Yes	Don't know	
- Early language problems	No	Yes	Don't know	
- Parkinsonism	No	Yes	Don't know	
- Only symptoms during delirium	No	Yes	Don't know	
- TIA/stroke	No	Yes	Don't know	
<i>Start and course of symptoms</i>				
6. How did the condition start?	Sudden	Gradual	Don't know	
7. How has the condition progressed?	Worsening	Improvement	Unchanged	Don't know
8. If worsening, how has the development been?	Gradual	Stepwise	Don't know	
9. First symptom (one mark/cross)				
- Memory impairment				
- Changed personality				
- Disorientation				
- Change in social behavior				
- Word retrieval problems				
- Unsteadiness				
- Don't know				
- Other, please specify				
10. Duration of symptoms?	Number of months			
11. Has he/she been assessed for dementia	No	Yes	Don't know	
- If yes, where did it take place?				

**Supplementary Table 3. Criteria for conducting a telephone interview with a next of kin**  
**Next of kin interview criteria, one or more (1-4) needed to be met**

<i>Age</i>	<i>1. MoCA score:</i>	<i>2. WLMT delayed recall:</i>
70-79 y	MoCA < 22	< 4 words
80-89 y	MoCA < 21	< 3 words
90+	MoCA < 20	< 2 words

**3. Interview on cognitive function:**

Significantly worse memory last five years

*OR*

Worse in other cognitive functions last five years

*AND*

These changes worry the participant.

**4. Participant living in a nursing home**

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MoCA, Montreal Cognitive Assessment Scale; WLMT, Word List Memory Test

**Supplementary Table 4. Mild cognitive impairment (MCI) by subtype, number, and prevalence**

	Number of cases	Standardized prevalence*	95% CI
<b>amnestic MCI</b>			
Overall	2,896	30.4%	(29.4-31.4)
Men	1,457	33.5%	(32.0-34.9)
Women	1,439	28.0%	(26.5-29.3)
<b>non-amnestic MCI</b>			
Overall	486	4.9%	(4.4-5.3)
Men	203	4.6%	(4.0-5.3)
Women	283	5.1%	(4.4-5.7)

\*Standardization done in two steps: 1) Weighted (inverse probability weighting) to account for non-response by sex, age, municipality, and nursing home. 2) Standardized (calibrated) to correspond to the distribution in Norway according to sex, age, and education in 2019.

**Supplementary Figure 1. Distribution of MoCA scores in the study sample (n=8,738)**

