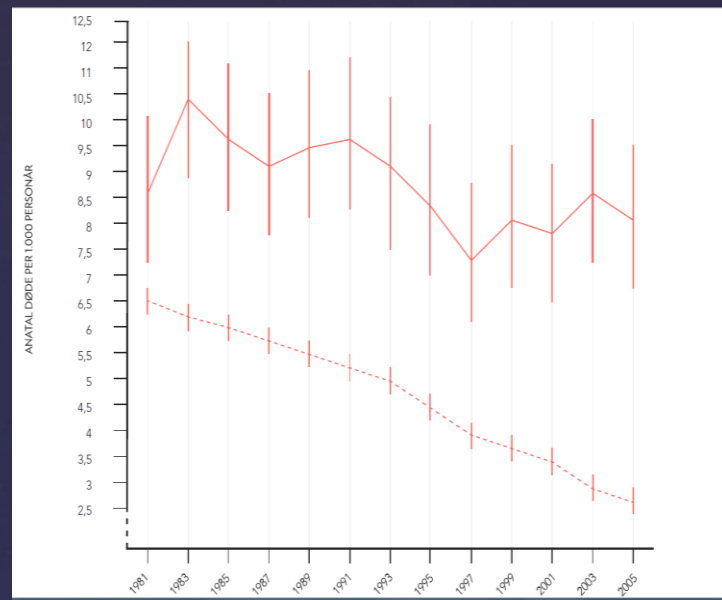
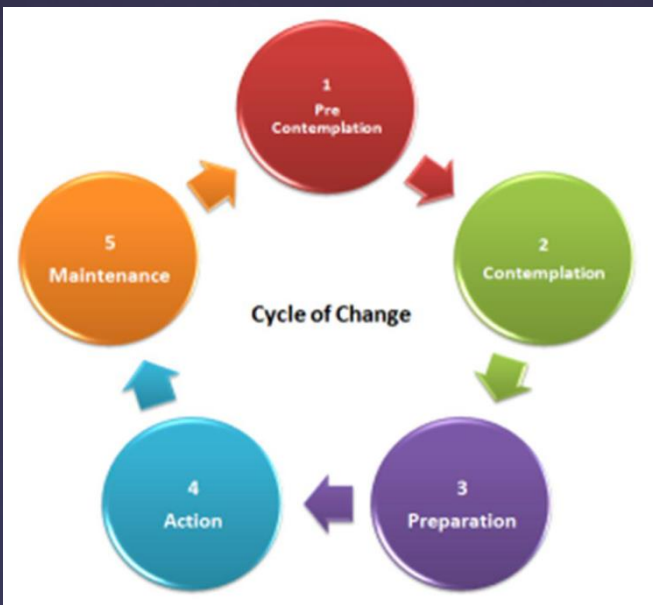


# Severe mental illness in Greenland -a register study

{ Ane Storch Jakobsen  
MD, PhD student  
Dronning Ingrid's Hospital  
Mental Health Center Copenhagen  
University of Copenhagen



A1



What is known about SMI  
in Greenland?

# Lynge 1

1976:

3 settlements in Western Greenland:

1965 persons 15 years +

7 known with schizophrenia

9 with manio-depressive disorder

=> Schizophrenia prevalence 3,6 per 1000 years

(risik period 15-40 years)

=> Lifetime risk estimate 0,8%

# Lynge 2 og 3

1995 hhv. 1999:

	Lifetime risk of schizophrenia (%)		
	Mænd	Kvinder	Total
Cohort (n=37) 1. hospitalization (1980-1983)	1,16	0,71	0,94
Register study (1973-1992)	1,0	0,3	0,7

	Grønlandske		Danske	
	Mænd	Kvinder	Mænd	Kvinder
Gennemsnitlig alder ved 1. indlæggelse	22	22	28	32

# Befolkningsundersøgelsen 1993

Sample 3025 adults whole Greenland

Answer from 1728

0,5% of men, 0,8% of women with chronic psychiatric disease/illness

Unspecifed diagnoses

“Sygdom og helbred i Grønland” (Bjerregaard et al. 1997)

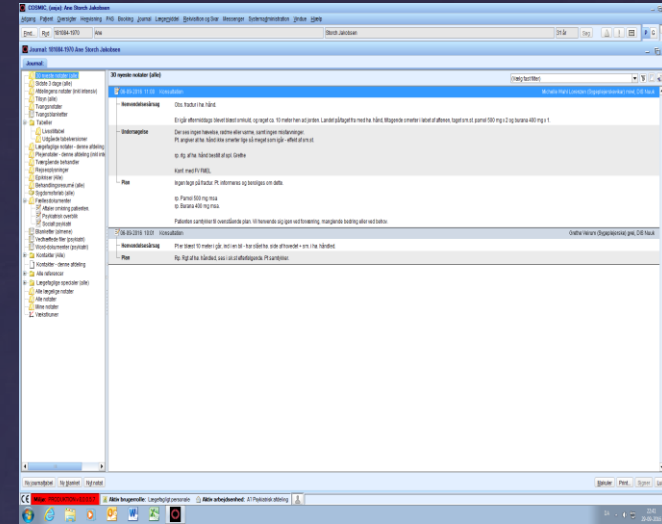
# Method

Observational cross-section study

Statistical extractions and review of medical records

Antipsychotic prescriptions (ACT code N05A) in Nuuk

- January 1st 2015 until now
- Number of patients diagnosed with **schizophrenia, bipolar affective disorder, schizoaffective psychosis and other psychotic disorders**
  - age and sex specific prevalence
- ~~Frequency of lifestyle monitoring as the number of patients in antipsychotic treatment for whom at least three of the following is registered during the last two years:
  - weight, BMI, waist circumference, blood lipid profiles, hbA1c, blood pressure, heartrate, smoking status.~~



# Population of Nuuk

	0-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85-94	95+	total
Mænd	626	1169	1162	1557	1347	1629	1235	401	100	11	0	9237
Kvinder	562	1101	1135	1571	1085	1417	957	306	93	28	0	8255
												17492

Grønlands Statistik:  
[stat.gl](http://stat.gl)



# Prescribed antipsychotics

Alder	Mænd		Kvinder		Total	
	N	%	N	%	N	%
15-24	18	1,5	16	1,4	34	1,5
25-34	33	2,1	21	1,3	54	1,7
35-44	17	1,3	12	1,1	29	1,2
45-54	14	0,9	37	2,6	51	1,7
55-64	17	1,4	24	2,5	41	1,9
65-74	13	3,2	7	2,3	20	2,8
75+	11	9,9	18	14,9	29	12,5
					258	1,5

- 17 dementia
- 22 delirium
- 83 mild anxiety /sleeplessness
- 101 schizophrenia
- 6 schizoaffective psychosis
- 38 bipolar

# Schizophrenia

	Male				Female				Total				
	N	%	CI 95%		N	%	CI 95%		N	%	CI 95%		
15-24	14		1,2	0,6	1,8	5	0,4	0,1	0,8	19	0,8	0,5	1,2
25-34	40		2,6	1,8	3,4	14	0,9	0,4	1,4	54	1,7	1,3	2,2
35-44	22		1,6	1,0	2,3	9	0,8	0,3	1,4	31	1,3	0,8	1,7
45-54	24		1,5	0,9	2,1	8	0,6	0,2	1,0	32	1,1	0,7	1,4
55-64	9		0,7	0,3	1,2	5	0,5	0,1	1,0	14	0,6	0,3	1,0
65+	3		0,7	-0,1	1,6	0	0,0	0,0	0,0	3	0,4	-0,1	0,9
total	112					41				153			

- 51 % with psychotic disorders use cannabis
- 25 % have a sentence to treatment
  
- 40% in daily AP treatment metabolic screening
  - BMI (n=15): 29,4 (CI95% 14,7 – 43,8)
  - Cholesterol (n=37): mean 4,9 (CI 05% 2,1- 7,62)
  - Systolic BP (n=31) 126,4 (CI95% 12,5 – 240,3)

# Problems

- Population size
- "Young" data system
- Reliability of diagnoses
  - Shifting doctors
  - Cultural differences
- Too poor monitoring of metabolic/life style factors

Thank you