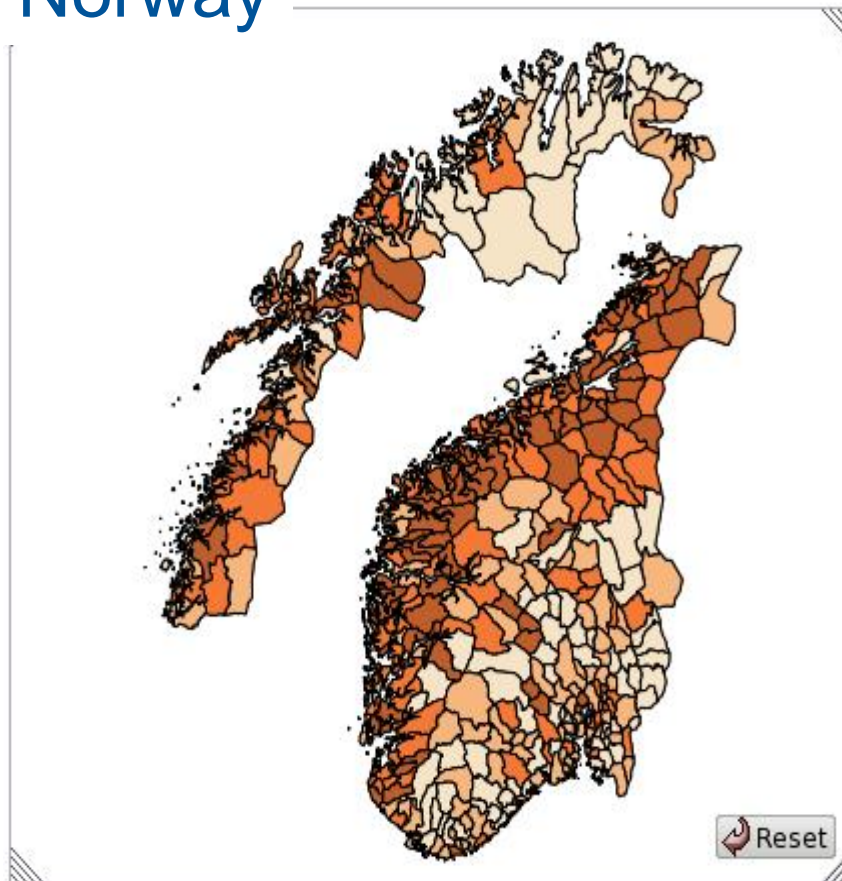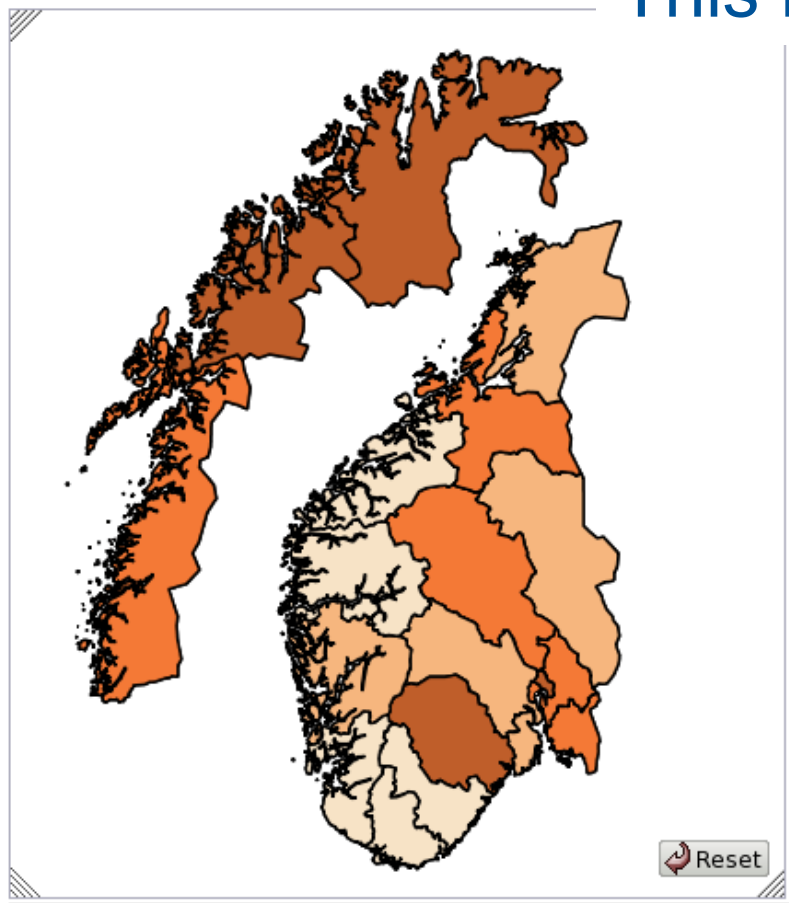# The health information systems of the NIPH

Public health profiles

(compared to new Slovenian public health profiles),

data banks and fact sheets

Heidi Lyshol

Department of Health Statistics

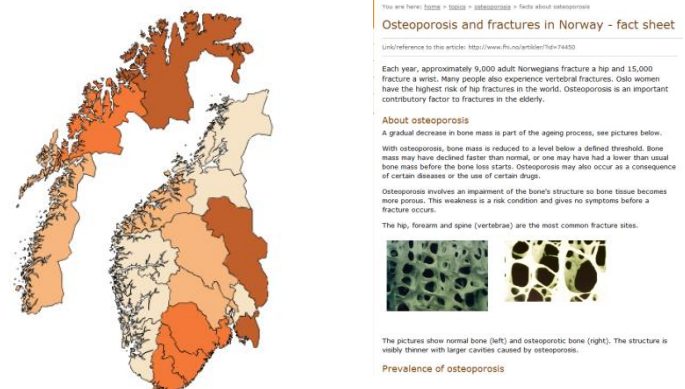# This is Norway

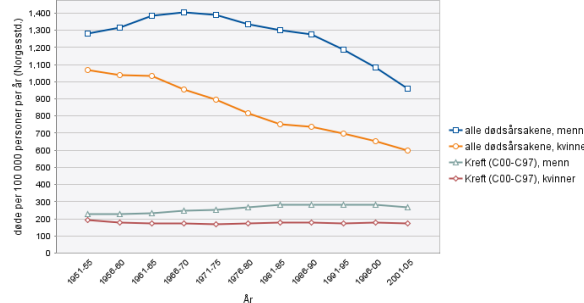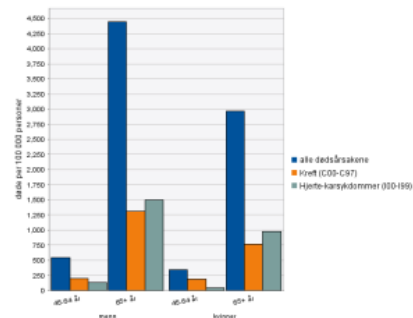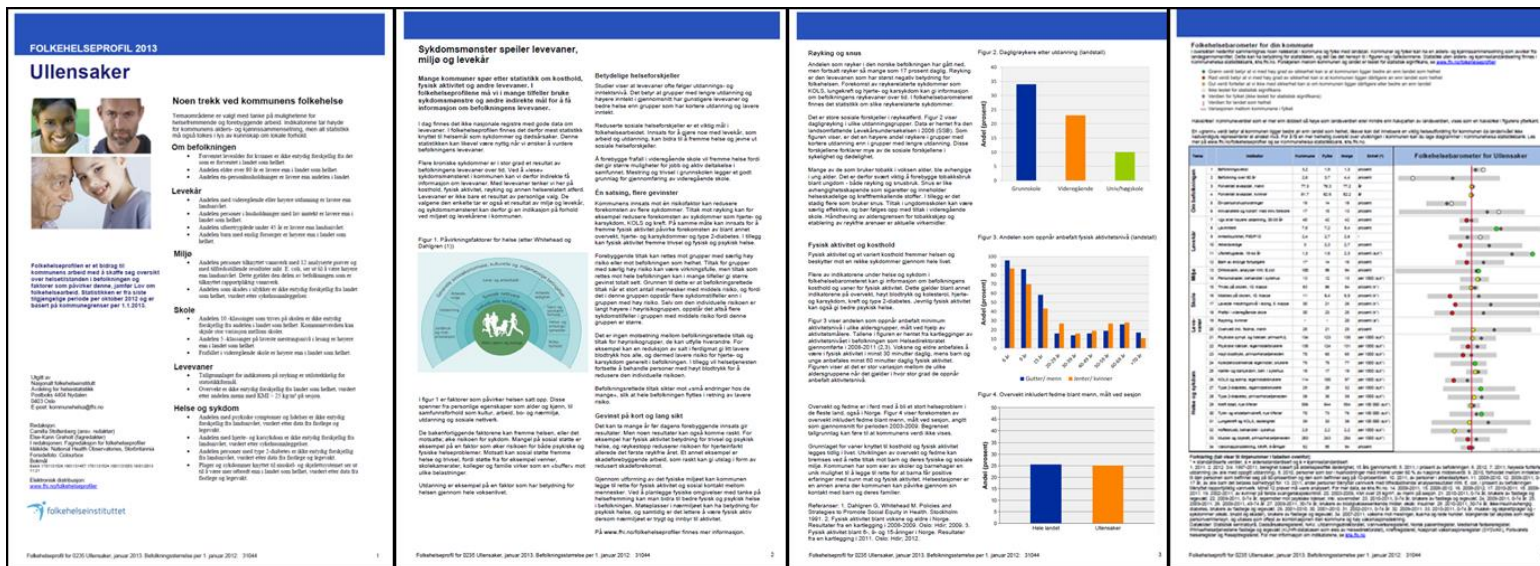**Norwegian Institute of Public Health**

19 counties, 428 municipalities, 5 million inhabitants
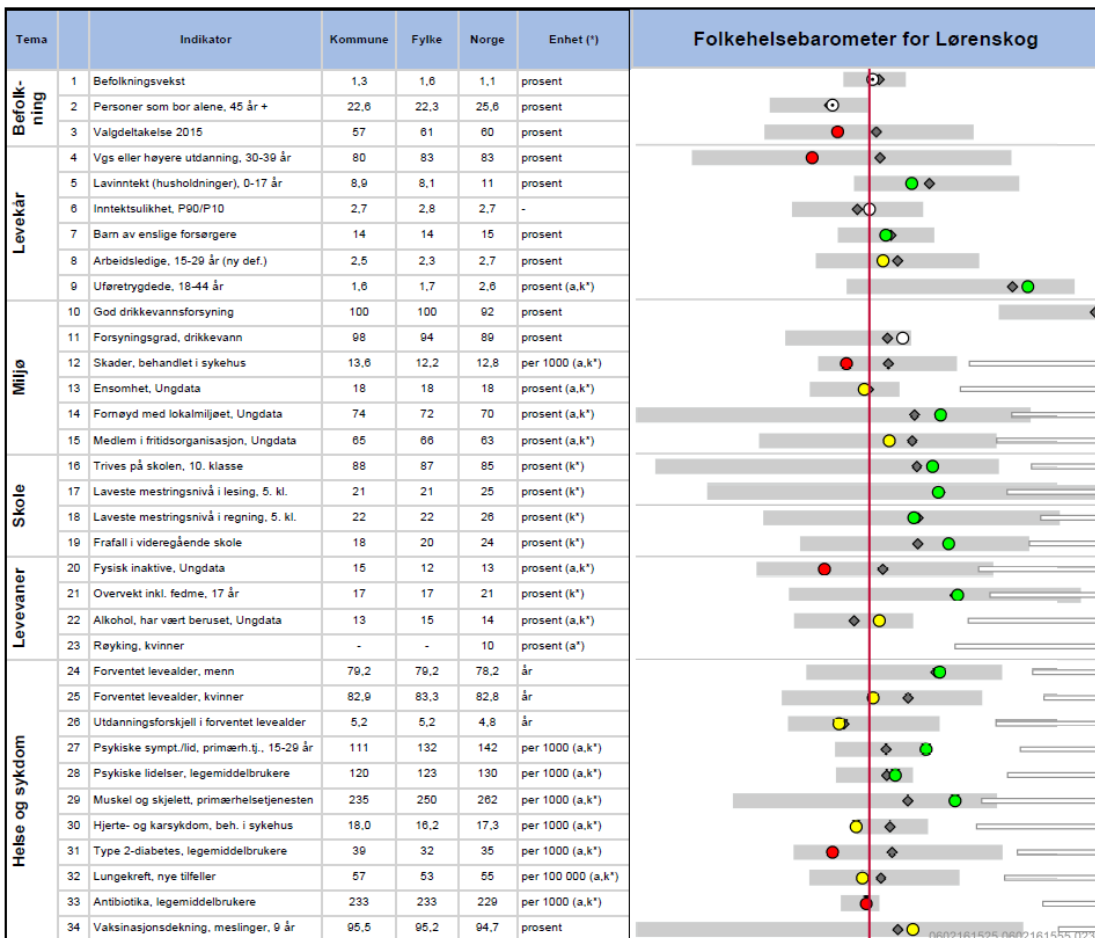
385,252 square kilometres

New Act on Public Health January 2012

- Norwegian counties and municipalities required to have *sufficient* overview over health conditions and influencing factors

- Data from NIPH + own sources

Public health profiles, databanks, fact sheets

PH profiles

Tema	#	Indikator	Kommune	Fylke	Norge	Enhet (*)	Folkehelsebarometer for Lørenskog
Befolkning	1	Befolkningsvekst	1,3	1,6	1,1	prosent	
	2	Personer som bor alene, 45 år +	22,6	22,3	25,6	prosent	
Levekår	3	Valgdeltakelse 2015	57	61	60	prosent	
	4	Vgs eller høyere utdanning, 30-39 år	80	83	83	prosent	
	5	Lavinntekt (husholdninger), 0-17 år	8,9	8,1	11	prosent	
	6	Inntektsulikhet, P90/P10	2,7	2,8	2,7	-	
	7	Barn av enslige forsørgere	14	14	15	prosent	
	8	Arbeidsledige, 15-29 år (ny def.)	2,5	2,3	2,7	prosent	
	9	Uføretrygdede, 18-44 år	1,6	1,7	2,6	prosent (a,k*)	
Miljø	10	God drikkevannsforsyning	100	100	92	prosent	
	11	Forsyningsgrad, drikkevann	98	94	89	prosent	
	12	Skader, behandlet i sykehus	13,6	12,2	12,8	per 1000 (a,k*)	
	13	Ensomhet, Ungdata	18	18	18	prosent (a,k*)	
	14	Fornøyd med lokalmiljøet, Ungdata	74	72	70	prosent (a,k*)	
	15	Medlem i fritidsorganisasjon, Ungdata	65	66	63	prosent (a,k*)	
Skole	16	Trives på skolen, 10. klasse	88	87	85	prosent (k*)	
	17	Laveste mestringsnivå i lesing, 5. kl.	21	21	25	prosent (k*)	
	18	Laveste mestringsnivå i regning, 5. kl.	22	22	26	prosent (k*)	
	19	Frafall i videregående skole	18	20	24	prosent (k*)	
Levevaner	20	Fysisk inaktive, Ungdata	15	12	13	prosent (a,k*)	
	21	Overvekt inkl. fedme, 17 år	17	17	21	prosent (k*)	
	22	Alkohol, har vært beruset, Ungdata	13	15	14	prosent (a,k*)	
	23	Røyking, kvinner	-	-	10	prosent (a*)	
Helse og sykdom	24	Forventet levealder, menn	79,2	79,2	78,2	år	
	25	Forventet levealder, kvinner	82,9	83,3	82,8	år	
	26	Utdanningsforskjell i forventet levealder	5,2	5,2	4,8	år	
	27	Psykiske sympt./lid, primærh.tj., 15-29 år	111	132	142	per 1000 (a,k*)	
	28	Psykiske lidelser, legemiddelbrukere	120	123	130	per 1000 (a,k*)	
	29	Muskel og skjelett, primærhelsetjenesten	235	250	262	per 1000 (a,k*)	
	30	Hjerte- og karsykdom, beh. i sykehus	18,0	16,2	17,3	per 1000 (a,k*)	
	31	Type 2-diabetes, legemiddelbrukere	39	32	35	per 1000 (a,k*)	
	32	Lungekreft, nye tilfeller	57	53	55	per 100 000 (a,k*)	
	33	Antibiotika, legemiddelbrukere	233	233	229	per 1000 (a,k*)	
	34	Vaksinasjonsdekning, meslinger, 9 år	95,5	95,2	94,7	prosent	

Municipality (etc) compared to

- country,

- other municipalities

- spread of results in county

- good, bad or neutral

2016: indicators for

10 best municipalities marked

Tema		Indikator	Kommune	Fylke	Norge	Enhet (*)	Folkehelsebarometer for Lørenskog
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Levekår	4	Vgs eller høyere utdanning, 30-39 år	80	83	83	prosent	
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	6	Inntektsulikhet, P90/P10	2,7	2,8	2,7	-	
	7	Barn av enslige forsørgere	14	14	15	prosent	
	8	Arbeidsledige, 15-29 år (ny def.)	2,5	2,3	2,7	prosent	
	9	Uføretrygdede, 18-44 år	1,6	1,7	2,6	prosent (a,k*)	

- 🟢 Significantly better
- 🔴 Significantly worse
- 🟠 Not significantly different
- ⊙ Significally different
- ○ Not tested for significance
- ◆ County average
- | Country average
- ▬ Variation between municipalities in county
- ▭ Ten best municipalities in the country

Green – municipality is statistically significantly in better position than the average in Slovenia.
Blue – municipality is statistically significantly different from the average in Slovenia. It was not p
Red – municipality is statistically significantly in worse position than the average in Slovenia.
Yellow – municipality is not statistically significantly different from the average in Slovenia.
White – value of chosen indicator is not reliable due to the small size of the observed populatio

Tema		Indikator	Kommune	Fylke	Norge	Enhet (*)	
Levevane	21	Overvekt inkl. fedme, 17 år	17	17	21	prosent (k*)	
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Indicator comparison 2016 Population

Slovenia

- Municipal development index
- Population increase
- Older population
- Primary educated adults
- Employment rate
- Daily labour migration

Norway

- Population increase
- Population 45+ living alone
- Participation rate last election

(many others found in Municipal data bank)

Indicator comparison 2016
Risk factors/Lifestyle

Slovenia

- Physical fitness index children
- Overweight/obesity in children
- Regular/occasional smokers
- Binge drinking
- Road traffic injuries
- Road traffic accidents caused by drunk drivers

Norway

- Physical inactivity, youth
- Overweight/obesity at 17
- Ever been drunk, youth
- Smoking, women before pregnancy

(many others found in Municipal data bank)

Indicator comparison 2016 Prevention/Environment

Slovenia

- Colorectal cancer screening
- Cervical cancer screening
- Drinking water quality

Norway

- Drinking water quality
- % receiving water from controlled sources
- Injuries treated in hospital
- Loneliness (youth)
- Satisfied local environment (youth)
- Participation organised leisure activity (youth)

Indicator comparison 2016
Health status

Slovenia

- Self-assessed good health
- Sick leave, days/worker
- Asthma 0-19 years
- Alcohol-attributed diseases
- Diabetes, medication
- Hypertension, medication
- Anticoagulant, medication
- Heart attack hospitalisation
- Stroke hospitalisation
- New cancer cases
- Hip fractures 65+
- Mental disorders, medication
- Service users help at home

Norway

- Life expectancy, men
- Life expectancy, women
- Educational difference, life expectancy
- Mental disorders, primary care 15-29
- Mental disorders, medication
- Musculoskeletal disorders, primary care
- Cardiovascular disease, hospitalisation
- Diabetes 2, medication
- Lung cancer, new cases
- Antibiotics, medication
- Vaccination coverage measles, 9 years

Indicator comparison 2016 Mortality

Slovenia

- All causes mortality
- Cardiovasular mortality
- Cancer mortality
- Breast cancer mortality
- Lung cancer mortality
- Suicide mortality

Norway

- (All of these found in data banks)
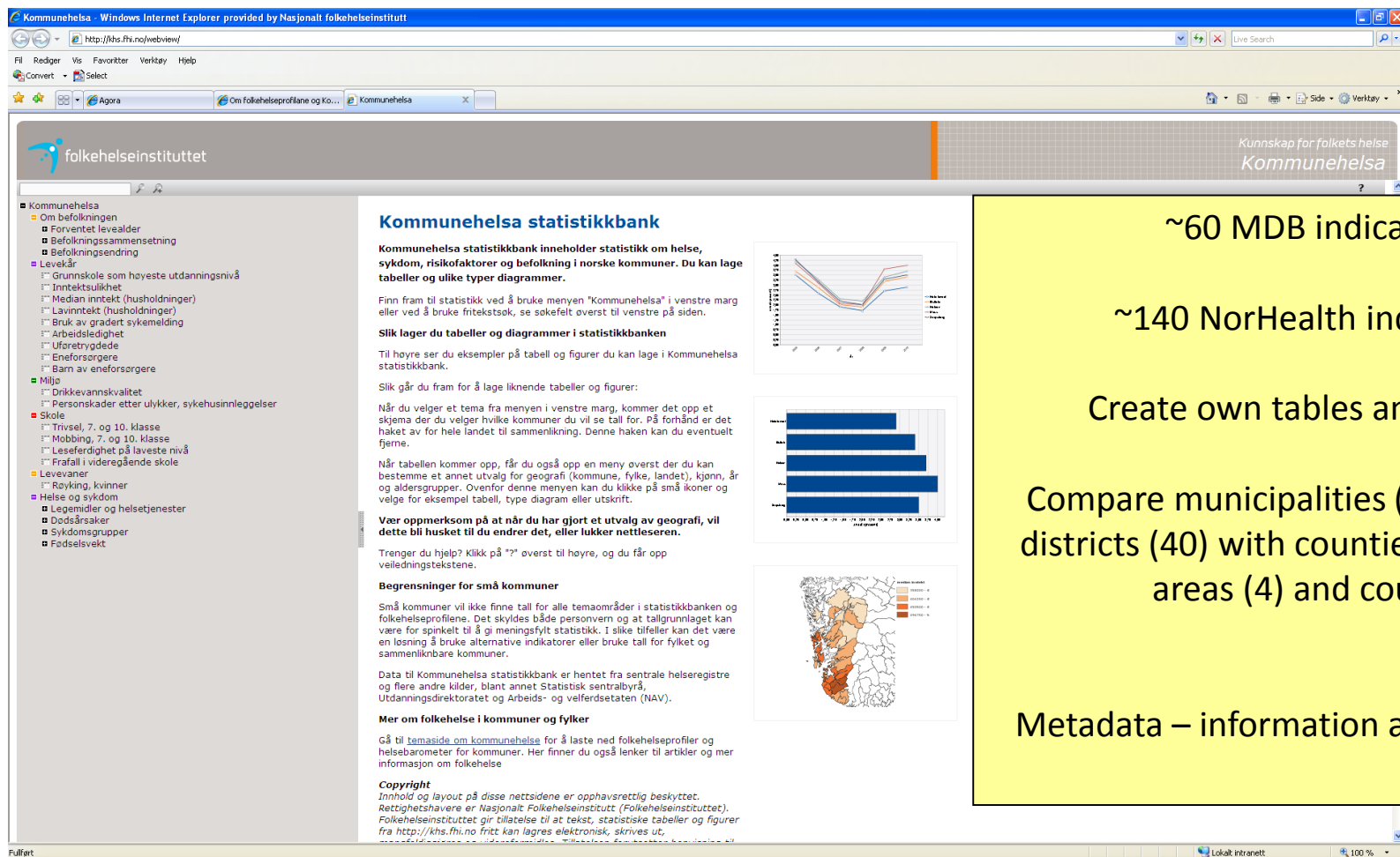
Indicator comparison 2016
School indicators

Slovenia

Norway

- Enjoy school, 10th grade
- Lowest skill level reading, 5th grade
- Lowest skill level maths, 5th grade
- High school dropout rate

Online Municipal Databank (2012) (and NorHealth (2000))

~60 MDB indicators

~140 NorHealth indicators

Create own tables and figures

Compare municipalities (428) and city districts (40) with counties (19), health areas (4) and country

Metadata – information about the data

Metadata

– Indicator definition

– Population

– Units of measurement

– Data source

– Data collection

– Data quality

Percentage births over 4500 g, all municipalities in Møre og Romsdal

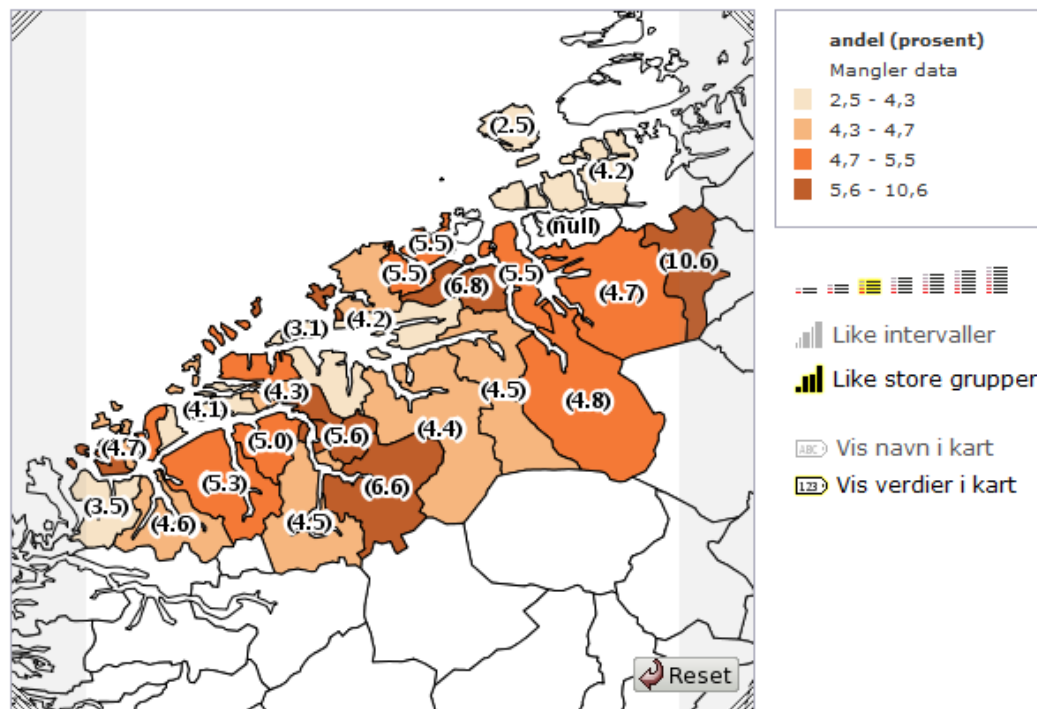Høy og lav fødselsvekt – 2002-2011, høy fødselsvekt, andel (prosent)

Fact sheets

- ~100 fact sheets describing health conditions, illnesses and risk factors

- Information on:
    - incidence and/or prevalence in Norway
    - time trends
    - international comparisons
    - sources/literature

- Fact sheets use data from Norhealth where possible
- Direct linkage to data bank -> always updated figures

Example fact sheet

Suicide and suicide attempts in Norway – fact sheet

Link/reference to this article: http://www.fhi.no/artikler/?id=88579

Every year in Norway, an average of 530 suicides are registered. About 150 women and under 400 men take their own life annually. We presume that there are 10 times more suicide attempts than suicides.

Around 60 per cent of all suicides occur in the under-50 age group. Suicide is also among the most common causes of death among young adults. Suicide among children under 15 years of age is rare.

The most common suicide method is hanging, followed by poisoning, shooting and drowning. In total, these methods are used in 85 per cent of all suicides in Norway. There has been an increase in the proportion of people who hang themselves compared to shooting and poisoning.

Unknown number concealed as accidents

Some suicides are concealed as accidents. For example, the number of registered suicides in traffic has doubled from four per year to more than eight per year after the accident analysis group at the Norwegian Public Roads Administration began to study the causes of traffic accidents in 2005. In addition to those identified by this work, there are probably many more that are not recorded as suicide in the official statistics.

Suicide may also be disguised as poisoning accidents or drowning. There is an ongoing collaborative project between the Department for Suicide Research and Prevention at the Norwegian Institute of Public Health and the Norwegian Public Roads Administration

NIPH presentation tools

- Municipal health profiles
- City district health profiles (4 largest cities)
- County health profiles
- Municipal statistics bank
- Norhealth
- Fact sheets

Congratulations to Slovenia!

Norwegian Institute of Public Health

Questions?