



nutritionDay
WORLDWIDE

Country Report

nutritionDay November 2014 in SWEDEN

Dear participant,

June 2015

Thank you for your participation in nutritionDay worldwide in November 2014 and for your effort. We can finally present you your preliminary country report of the following sample size:

Number of units on nutritionDay:	11
Number of patients on nutritionDay:	182
Number of patients completing Sheet 3a:	124
Number of patients completing Sheet 3b:	118

The report consists of 3 parts:

Part I reflects the organisation and the structure of the unit.

Part II describes the patients according to questionnaire "sheet 2".

Part III is the summary of information on nutrition given by the patients according to sheet 3a and 3b.

You will find some explanations how to read and interpret the data on the next page.

Next year's nutritionDay will take place on 19th November 2015. Again, we would very much appreciate your participation. You will be provided with further information on a regular basis.

Best regards from the nutritionDay-Team!

Prof. Dr. Michael Hiesmayr

Sigrid Kosak, MA

How to read the results

Your report is configured as table with 3 columns. The first column contains the name of the result, possibly with a short description. In the second column you will find your unit's results and in the third column you can see the reference values from units comparable to your patients.

You will find "(n)" in brackets indicating that results are referring to a certain number of patients. Generally the patients' results are based on the number of patients participating at your unit.

For example: *number of patients on nutritionDay 2014 = 20*

Fluid status (n):
dehydrated 4

Explanation: 4 of 20 patients participating are reported to be dehydrated on nutritionDay 2014.

If results are referring to an "n" different to the number of patients participating, a short explanation will be given.

For example: *number of patients on nutritionDay 2014 = 20*

Weight loss within 3 months (n)

Yes 10

Category of weight decrease (n):

0-4 kg 4

5-8 kg 2

> 8 kg 1

not sure 2

missing 1

Explanation: 10 of 20 patients reported a weight loss within the last 3 months. The category of weight decrease is only referring to these 10 patients having lost weight.

Be careful! - There are some multiple choice questions in the questionnaires. In this case the total number of answers exceeds the number of patients. These results are marked with an asterisk.

For example: *Affected organs (n)**

Mean and standard deviation are displayed as follows:

For example: *Weight (kg) 75 ± 15*

Median and range are displayed that way:

For example: *LOS (days) 8 [5-15]*

I. DESCRIPTION OF THE UNIT ("Sheet 1"):

	712 units, 14603 patients	
	YOUR RESULTS	REFERENCE ND-14
Number of beds (n):		
Actual	17 ± 5	32 ± 33
Maximum	17 ± 5	39 ± 51
Number of patients on the nutritionDay (n):		
Total	182	14603
Did not give consent	36 (19.8%)	1038 (7.11%)
Needed help completing form	53 (29.1%)	8417 (57.6%)
Terminally ill	2 (1.10%)	826 (5.66%)
Specialities (n):		
Internal medicine / general	3 (27.3%)	184 (25.8%)
Internal medicine / gastroenterology and hepatology	-	37 (5.20%)
Internal medicine / oncology (incl. radiotherapy)	-	70 (9.83%)
Internal medicine / cardiology	1 (9.09%)	44 (6.18%)
Internal medicine / infectious diseases	-	4 (0.56%)
Internal medicine / geriatrics	1 (9.09%)	53 (7.44%)
Internal medicine / nephrology	-	11 (1.54%)
Pediatrics	-	27 (3.79%)
Neurology	2 (18.2%)	19 (2.67%)
Psychiatry	-	8 (1.12%)
Ear Nose Throat (ENT)	-	13 (1.83%)
General surgery	2 (18.2%)	90 (12.6%)
Cardiothoracic surgery	-	9 (1.26%)
Orthopedic surgery	-	45 (6.32%)
Trauma	-	7 (0.98%)
Neurosurgery	-	10 (1.40%)
Gynecology	1 (9.09%)	10 (1.40%)
Long-term-care	-	11 (1.54%)
Others	1 (9.09%)	60 (8.43%)
Staff /Staff per patient (n):		
Physicians	1.82 ± 1.08	5.99 ± 7.60
Physicians per patient	0.12 ± 0.07	0.19 ± 0.22
Consultants	1.91 ± 1.22	2.80 ± 5.81
Consultants per patient	0.11 ± 0.08	0.08 ± 0.16
Registrars	0.64 ± 1.12	2.77 ± 10.24
Registrars per patient	0.04 ± 0.07	0.06 ± 0.13
Nurses	4.64 ± 2.11	9.02 ± 9.73
Nurses per patient	0.28 ± 0.14	0.27 ± 0.27
Nursing aides	4.18 ± 1.25	4.76 ± 13.73

Nursing aides per patient	0.25 ± 0.10	0.11 ± 0.20
Dieticians and dietetic assistants	0.13 ± 0.10	1.38 ± 1.95
Dieticians and dietetic assistants per pat.	0.01 ± 0.01	0.04 ± 0.04

Nutrition Care:

Nutrition Team	- units (00%) Yes	556 units (78%) Yes
Written procedures		
- individual	9 units (82%) Yes	439 units (62%) Yes
- local	9 units (82%) Yes	287 units (40%) Yes
- national	3 units (27%) Yes	314 units (44%) Yes
- other	1 units (09%) Yes	103 units (14%) Yes

Patients' weight assessed:

On admission	10 units (91%) Yes	534 units (75%) Yes
When requested	8 units (73%) Yes	377 units (53%) Yes
Once a week	2 units (18%) Yes	278 units (39%) Yes
Occasionally	1 units (09%) Yes	77 units (11%) Yes
Never	- units (00%) Yes	16 units (02%) Yes

II. YOUR PATIENTS ("Sheet 2"):

712 units, 14603 patients

	YOUR RESULTS	REFERENCE ND-14
Number of patients (n):		
Total	182	14603
Patients who completed sheet 3a	124 (68.1%)	12993 (89.0%)
Patients who completed sheet 3b	118 (64.8%)	12603 (86.3%)
Demographic data:		
Age (years)	76 [21-96]	67 [1-110]
Female gender	103 (56.6%)	7396 (50.6%)
Weight (kg)	73.7 ± 15.2	70.1 ± 20.6
Height (cm)	168.4 ± 9.2	164.4 ± 12.9
BMI (kg/m ²)	26.1 ± 5.0	25.7 ± 6.4
ICU-stay:		
Any ICU-stay	13 (7.14%)	1638 (11.2%)
Surgery (n):		
Preoperative patients	15 (8.24%)	1198 (8.20%)
Postoperative patients	26 (14.3%)	3544 (24.3%)
Length of stay in Hospital (days):	10 [1-61]	11 [1-666]
Outcome after 30 days (n):		
Still in hospital	8 (4.40%)	1571 (10.8%)
Transferred to another hospital	3 (1.65%)	400 (2.74%)
Transferred to long-term care	2 (1.10%)	774 (5.30%)
Rehabilitation	10 (5.49%)	535 (3.66%)
Discharge home	112 (61.5%)	10301 (70.5%)
Death	11 (6.04%)	505 (3.46%)
Others	12 (6.59%)	218 (1.49%)
Missing	24 (13.2%)	299 (2.05%)
Readmitted (n):	23 (12.6%)	1255 (8.59%)

Results in percent referring to the total number of patients

II. YOUR PATIENTS ("Sheet 2"):

712 units, 14603 patients

	YOUR RESULTS	REFERENCE ND-14
Nutrition therapy (n)*:		
Enteral nutrition	2 (1.10%)	861 (5.90%)
Parenteral nutrition	16 (8.79%)	467 (3.20%)
Enteral + parenteral nutrition	1 (0.55%)	91 (0.62%)
Special diet	16 (8.79%)	4371 (29.9%)
Protein supplement	40 (22.0%)	1555 (10.6%)
Hospital food	126 (69.2%)	8212 (56.2%)
Others	-	774 (5.30%)
Missing	25 (13.7%)	517 (3.54%)
Lines & tubes (n)*:		
None	95 (52.2%)	9592 (65.7%)
Centralvenous	5 (2.75%)	1025 (7.02%)
Nasogastric tube	2 (1.10%)	386 (2.64%)
Any other (PEG, PEJ, ...)	80 (44.0%)	3600 (24.7%)
Affected organs (n)*:		
Brain, nerves	35 (19.2%)	1961 (13.4%)
Eye, ear	-	265 (1.81%)
Nose, throat	1 (0.55%)	296 (2.03%)
Heart, circulation	30 (16.5%)	2966 (20.3%)
Lung	22 (12.1%)	2175 (14.9%)
Liver	7 (3.85%)	674 (4.62%)
Gastrointestinal tract	21 (11.5%)	2685 (18.4%)
Kidney, urinary tract, female genital tract	20 (11.0%)	2151 (14.7%)
Endocrine system	1 (0.55%)	1109 (7.59%)
Skeleton, bone, muscle	20 (11.0%)	2645 (18.1%)
Blood, bone marrow	1 (0.55%)	631 (4.32%)
Skin	3 (1.65%)	576 (3.94%)
Ischaemia	5 (2.75%)	116 (0.79%)
Cancer	17 (9.34%)	1957 (13.4%)
Infection	16 (8.79%)	934 (6.40%)
Pregnancy	1 (0.55%)	106 (0.73%)
Others	7 (3.85%)	914 (6.26%)
No affected organ	26 (14.3%)	613 (4.20%)
Comorbidities (n)*:		
Diabetes I/II	40 (22.0%)	3064 (21.0%)
Stroke	27 (14.8%)	907 (6.21%)
COPD	11 (6.04%)	1117 (7.65%)
Myocardial infarction	15 (8.24%)	537 (3.68%)
Cardiac insufficiency	28 (15.4%)	1757 (12.0%)
Others	79 (43.4%)	5885 (40.3%)
No comorbidity	56 (30.8%)	5127 (35.1%)

Results in percent referring to the total number of patients

III. YOUR PATIENTS ("Sheet 3a"):

712 units, 14603 patients

	YOUR RESULTS	REFERENCE ND-14
Weight loss within the last 3 months (n):		
Total of patients answering	122 (98.4%)	12546 (96.6%)
Yes	31 (25.0%)	5548 (42.7%)
No	73 (58.9%)	4958 (38.2%)
No, I've gained weight	7 (5.65%)	1013 (7.80%)
I don't know	11 (8.87%)	1027 (7.90%)
Category of weight decrease (n):		
Patients reporting weight loss	31 (25.0%)	5548 (42.7%)
0-4 kg	14 (11.3%)	2434 (18.7%)
5-8 kg	5 (4.03%)	1007 (7.75%)
> 8 kg	9 (7.26%)	1378 (10.6%)
Not sure	3 (2.42%)	634 (4.88%)
Missing	-	95 (0.73%)
"How well have you eaten during the last week?"(n):		
Normal	63 (50.8%)	6236 (48.0%)
A bit less than normal	32 (25.8%)	2728 (21.0%)
Less than half of normal	14 (11.3%)	1935 (14.9%)
Less than a quarter to nearly nothing	12 (9.68%)	1606 (12.4%)
Missing	3 (2.42%)	488 (3.76%)
"I ate less because"(n)*:		
Total of patients answering	66 (53.2%)	6184 (47.6%)
Loss of appetite	36 (29.0%)	3308 (25.5%)
Problems with swallowing, mastication	9 (7.26%)	611 (4.70%)
Nausea	12 (9.68%)	985 (7.58%)
Other reasons	22 (17.7%)	2377 (18.3%)
"Can you walk without assistance?"(n):		
Yes	66 (53.2%)	7370 (56.7%)
No, only with assistance	46 (37.1%)	3695 (28.4%)
No, I stay in bed	8 (6.45%)	1530 (11.8%)
Missing	4 (3.23%)	398 (3.06%)
"In general would you say your health is" (n):		
Excellent	5 (4.03%)	477 (3.67%)
Very good	15 (12.1%)	1178 (9.07%)
Good	27 (21.8%)	4089 (31.5%)
Fair	50 (40.3%)	4393 (33.8%)
Poor	25 (20.2%)	2288 (17.6%)
Missing	2 (1.61%)	568 (4.37%)
Results in percent referring to the total number of patients answering		

III. YOUR PATIENTS ("Sheet 3b"):

712 units, 14603 patients

YOUR RESULTS

REFERENCE ND-14

Hospital food intake:

„Is your appetite normal?“ (n):

Yes	74 (59.7%)	7656 (58.9%)
No	34 (27.4%)	4168 (32.1%)
- I was not hungry	15 (44.1%)	2155 (51.7%)
- Problems with swallowing / mastication	3 (8.82%)	328 (7.87%)
- Nausea	8 (23.5%)	616 (14.8%)
- Others	9 (26.5%)	1062 (25.5%)
no answer	10 (8.06%)	779 (6.00%)


Fluid and supplement intake (n):

Patients with fluid intake	99 (83.9%)	9694 (76.9%)
Drinks per patient & day (l)	0.35	0.36
Patients with supplements	31 (26.3%)	1320 (10.5%)
Supplements per patient & day (l)	0.04	0.03

„What kind of drinks did you consume?“ (n)*:

Water	56 (47.5%)	7866 (62.4%)
Milk	40 (33.9%)	2359 (18.7%)
Fruit juice	27 (22.9%)	3495 (27.7%)
Tea, coffee	17 (14.4%)	4645 (36.9%)
Soft drinks	27 (22.9%)	1270 (10.1%)

Lunch intake (n):

 All	67 (56.8%)	5279 (41.9%)
 1/2	24 (20.3%)	3261 (25.9%)
 1/4	13 (11.0%)	1911 (15.2%)
 Nothing	10 (8.47%)	1878 (14.9%)
? No answer	4 (3.39%)	274 (2.17%)

„I did not eat everything because“ (n)*:

I was not hungry	13 (25.5%)	2255 (30.8%)
I had nausea / vomiting	6 (11.8%)	587 (8.01%)
I was not allowed to eat	7 (13.7%)	660 (9.01%)
I can not eat without help	1 (1.96%)	110 (1.50%)
I had an examination / surgery	6 (11.8%)	458 (6.25%)
I ordered a smaller portion	1 (1.96%)	146 (1.99%)
I was tired	1 (1.96%)	349 (4.77%)
I normally eat less	2 (3.92%)	544 (7.43%)
I did not like the smell	-	242 (3.30%)
I did not like the taste	1 (1.96%)	936 (12.8%)

„Do you eat any food apart from hospital food?“ (n):

Yes	14 (11.3%)	4047 (31.1%)
No	91 (73.4%)	7833 (60.3%)
No answer	13 (10.5%)	723 (5.56%)

„What do you eat?“ (n)*:

Cakes, biscuits	3 (21.4%)	1241 (30.7%)
Fresh fruits	9 (64.3%)	1527 (37.7%)
Sandwiches	4 (28.6%)	369 (9.12%)
Dairy products	2 (14.3%)	583 (14.4%)
Preferred dish	2 (14.3%)	406 (10.0%)
Sweets	6 (42.9%)	659 (16.3%)
Fruit Juice	1 (7.14%)	675 (16.7%)
Others	2 (14.3%)	885 (21.9%)

“Did you need help to complete the questionnaire?“(according to patient) (n):

Yes	76 (61.3%)	8720 (67.1%)
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Results referring to the total number of completed questionnaires