



nutritionDay November 2012 in NETHERLANDS

Dear participant,

Mai 2013

Thank you for your participation in nutritionDay worldwide in November 2012 and for your effort. We can finally present you your preliminary country report of the following sample size:

Number of units on nutritionDay:	10
Number of patients on nutritionDay:	185
Number of patients completing Sheet 3a:	85
Number of patients completing Sheet 3b:	83

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 November 7th 2013. 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!

Michael Hiesmayr

Karin Schindler

Sigrid Kosak

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 2012 = 20*

Fluid status (n):
dehydrated 4

Explanation: 4 of 20 patients participating are reported to be dehydrated on nutritionDay 2012.

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 2012 = 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"):

	658 units, 14093 patients	
	YOUR RESULTS	REFERENCE ND-12
Number of beds (n):		
Actual	20 ± 8	30 ± 30
Maximum	22 ± 9	33 ± 20
Number of patients on the nutritionDay (n):		
Total	185	14093
Did not give consent	91 (49.2%)	1118 (7.93%)
Needed help completing form	12 (6.49%)	7592 (53.9%)
Terminally ill	1 (0.54%)	962 (6.83%)
Specialities (n):		
Internal medicine / general	-	125 (19.0%)
Internal medicine / gastroenterology and hepatology	1 (10.0%)	39 (5.93%)
Internal medicine / oncology (incl. radiotherapy)	1 (10.0%)	82 (12.5%)
Internal medicine / cardiology	-	32 (4.86%)
Internal medicine / infectious diseases	1 (10.0%)	10 (1.52%)
Internal medicine / geriatrics	1 (10.0%)	51 (7.75%)
Internal medicine / nephrology	1 (10.0%)	14 (2.13%)
Pediatrics	-	4 (0.61%)
Neurology	1 (10.0%)	14 (2.13%)
Psychiatry	-	7 (1.06%)
Ear Nose Throat (ENT)	-	11 (1.67%)
General surgery	3 (30.0%)	99 (15.0%)
Cardiothoracic surgery	-	7 (1.06%)
Orthopedic surgery	1 (10.0%)	41 (6.23%)
Trauma	-	11 (1.67%)
Neurosurgery	-	11 (1.67%)
Gynecology	-	7 (1.06%)
Long-term-care	-	8 (1.22%)
Others	-	85 (12.9%)
Staff /Staff per patient (n):		
Physicians	3.60 ± 1.58	6.65 ± 9.35
Physicians per patient	0.18 ± 0.09	0.21 ± 0.27
Consultants	0.88 ± 1.36	2.70 ± 4.89
Consultants per patient	0.06 ± 0.11	0.09 ± 0.16
Registrars	1.00 ± 1.07	2.65 ± 4.92
Registrars per patient	0.05 ± 0.07	0.09 ± 0.16
Nurses	7.30 ± 2.11	8.33 ± 9.99
Nurses per patient	0.36 ± 0.11	0.27 ± 0.26
Nursing aides	0.29 ± 0.49	3.46 ± 7.88

Nursing aides per patient	0.02 ± 0.03	0.10 ± 0.12
Dieticians and dietetic assistants	2.70 ± 1.06	1.32 ± 2.07
Dieticians and dietetic assistants per pat.	0.14 ± 0.08	0.04 ± 0.05

Nutrition Care:

Nutrition Team	- units (00%) Yes	477 units (72%) Yes
Written procedures		
- individual	10 units (100%) Yes	430 units (65%) Yes
- local	10 units (100%) Yes	276 units (42%) Yes
- national	10 units (100%) Yes	270 units (41%) Yes
- other	- units (00%) Yes	74 units (11%) Yes

Patients' weight assessed:

On admission	3 units (30%) Yes	462 units (70%) Yes
When requested	- units (00%) Yes	341 units (52%) Yes
Once a week	8 units (80%) Yes	243 units (37%) Yes
Occasionally	- units (00%) Yes	86 units (13%) Yes
Never	- units (00%) Yes	23 units (03%) Yes

II. YOUR PATIENTS ("Sheet 2"):

	658 units, 14093 patients	
	YOUR RESULTS	REFERENCE ND-12
Number of patients (n):		
Total	185	14093
Patients who completed sheet 3a	85 (45.9%)	12396 (88.0%)
Patients who completed sheet 3b	83 (44.9%)	12050 (85.5%)
Demographic data:		
Age (years)	72 [32-91]	66 [3-113]
Female gender	91 (49.2%)	6843 (48.6%)
Weight (kg)	76.0 ± 17.2	70.7 ± 19.3
Height (cm)	170.7 ± 8.8	165.4 ± 11.8
BMI (kg/m ²)	25.9 ± 4.8	25.7 ± 6.3
ICU-stay:		
Any ICU-stay	2 (1.08%)	1433 (10.2%)
Surgery (n):		
Preoperative patients	3 (1.62%)	1329 (9.43%)
Postoperative patients	27 (14.6%)	3478 (24.7%)
Length of stay in Hospital (days):	13 [2-60]	13 [2-107]
Outcome after 30 days (n):		
Still in hospital	3 (1.62%)	1430 (10.1%)
Transferred to another hospital	-	315 (2.24%)
Transferred to long-term care	9 (4.86%)	720 (5.11%)
Rehabilitation	13 (7.03%)	417 (2.96%)
Discharge home	63 (34.1%)	9797 (69.5%)
Death	2 (1.08%)	614 (4.36%)
Others	3 (1.62%)	191 (1.36%)
Missing	92 (49.7%)	609 (4.32%)
Readmitted (n):	8 (4.32%)	1341 (9.52%)

Results in percent referring to the total number of patients

II. YOUR PATIENTS ("Sheet 2"):

658 units, 14093 patients

	YOUR RESULTS	REFERENCE ND-12
Nutrition therapy (n)*:		
Enteral nutrition	3 (1.62%)	1007 (7.15%)
Parenteral nutrition	3 (1.62%)	504 (3.58%)
Enteral + parenteral nutrition	-	164 (1.16%)
Special diet	16 (8.65%)	3511 (24.9%)
Protein supplement	22 (11.9%)	1606 (11.4%)
Hospital food	68 (36.8%)	7651 (54.3%)
Others	5 (2.70%)	775 (5.50%)
Missing	91 (49.2%)	760 (5.39%)
Lines & tubes (n)*:		
None	180 (97.3%)	8953 (63.5%)
Centralvenous	-	977 (6.93%)
Nasogastric tube	-	353 (2.50%)
Any other (PEG, PEJ, ...)	5 (2.70%)	3810 (27.0%)
Affected organs (n)*:		
Brain, nerves	22 (11.9%)	1754 (12.4%)
Eye, ear	-	215 (1.53%)
Nose, throat	2 (1.08%)	337 (2.39%)
Heart, circulation	12 (6.49%)	2339 (16.6%)
Lung	15 (8.11%)	2014 (14.3%)
Liver	1 (0.54%)	645 (4.58%)
Gastrointestinal tract	18 (9.73%)	2652 (18.8%)
Kidney, urinary tract, female genital tract	19 (10.3%)	1812 (12.9%)
Endocrine system	-	801 (5.68%)
Skeleton, bone, muscle	18 (9.73%)	2123 (15.1%)
Blood, bone marrow	2 (1.08%)	695 (4.93%)
Skin	1 (0.54%)	499 (3.54%)
Ischaemia	-	172 (1.22%)
Cancer	7 (3.78%)	2464 (17.5%)
Infection	5 (2.70%)	941 (6.68%)
Pregnancy	-	92 (0.65%)
Others	7 (3.78%)	904 (6.41%)
No affected organ	94 (50.8%)	840 (5.96%)
Comorbidities (n)*:		
Diabetes I/II	22 (11.9%)	2631 (18.7%)
Stroke	7 (3.78%)	694 (4.92%)
COPD	10 (5.41%)	876 (6.22%)
Myocardial infarction	3 (1.62%)	436 (3.09%)
Cardiac insufficiency	21 (11.4%)	1477 (10.5%)
Others	32 (17.3%)	6137 (43.5%)
No comorbidity	126 (68.1%)	5101 (36.2%)

Results in percent referring to the total number of patients

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

658 units, 14093 patients

	YOUR RESULTS	REFERENCE ND-12
Weight loss within the last 3 months (n):		
Total of patients answering	83 (97.6%)	11983 (96.7%)
Yes	39 (45.9%)	5671 (45.7%)
No	32 (37.6%)	4600 (37.1%)
No, I've gained weight	5 (5.88%)	930 (7.50%)
I don't know	7 (8.24%)	782 (6.31%)
Category of weight decrease (n):		
Patients reporting weight loss	39 (45.9%)	5671 (45.7%)
0-4 kg	14 (16.5%)	2488 (20.1%)
5-8 kg	8 (9.41%)	1057 (8.53%)
> 8 kg	7 (8.24%)	1455 (11.7%)
Not sure	10 (11.8%)	581 (4.69%)
Missing	-	90 (0.73%)
"How well have you eaten during the last week?"(n):		
Normal	35 (41.2%)	5813 (46.9%)
A bit less than normal	20 (23.5%)	2701 (21.8%)
Less than half of normal	16 (18.8%)	1765 (14.2%)
Less than a quarter to nearly nothing	12 (14.1%)	1645 (13.3%)
Missing	2 (2.35%)	472 (3.81%)
"I ate less because"(n)*:		
Total of patients answering	49 (57.6%)	6130 (49.5%)
Loss of appetite	27 (31.8%)	3309 (26.7%)
Problems with swallowing, mastication	4 (4.71%)	612 (4.94%)
Nausea	17 (20.0%)	1019 (8.22%)
Other reasons	19 (22.4%)	2337 (18.9%)
"Can you walk without assistance?"(n):		
Yes	43 (50.6%)	7152 (57.7%)
No, only with assistance	32 (37.6%)	3308 (26.7%)
No, I stay in bed	8 (9.41%)	1514 (12.2%)
Missing	2 (2.35%)	422 (3.40%)
"In general would you say your health is" (n):		
Excellent	2 (2.35%)	452 (3.65%)
Good	6 (7.06%)	1001 (8.08%)
Very good	26 (30.6%)	3855 (31.1%)
Fair	31 (36.5%)	4253 (34.3%)
Poor	15 (17.6%)	2351 (19.0%)
Missing	5 (5.88%)	484 (3.90%)
Results in percent referring to the total number of patients answering		

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

658 units, 14093 patients

YOUR RESULTS REFERENCE ND-12

Hospital food intake:

„Is your appetite normal?“ (n):

Yes	47 (55.3%)	7231 (58.3%)
No	19 (22.4%)	4009 (32.3%)
- I was not hungry	7 (36.8%)	1882 (46.9%)
- Problems with swallowing / mastication	1 (5.26%)	345 (8.61%)
- Nausea	6 (31.6%)	660 (16.5%)
- Others	5 (26.3%)	1147 (28.6%)
no answer	17 (20.0%)	810 (6.53%)

Fluid and supplement intake (n):

Patients with fluid intake	70 (84.3%)	9000 (74.7%)
Drinks per patient & day (l)	0.49	0.39
Patients with supplements	8 (9.64%)	1292 (10.7%)
Supplements per patient & day (l)	0.03	0.03

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

Water	34 (41.0%)	7568 (62.8%)
Milk	26 (31.3%)	2220 (18.4%)
Fruit juice	10 (12.0%)	3083 (25.6%)
Tea, coffee	57 (68.7%)	4258 (35.3%)
Soft drinks	4 (4.82%)	1010 (8.38%)

Lunch intake (n):

 All	45 (54.2%)	4890 (40.6%)
 1/2	13 (15.7%)	3106 (25.8%)
 1/4	8 (9.64%)	1863 (15.5%)
 Nothing	17 (20.5%)	1866 (15.5%)
? No answer	-	325 (2.70%)

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

I was not hungry	7 (18.4%)	2028 (28.3%)
I had nausea / vomiting	4 (10.5%)	559 (7.81%)
I was not allowed to eat	11 (28.9%)	741 (10.3%)
I kann not eat without help	1 (2.63%)	89 (1.24%)
I had an examination / surgery	2 (5.26%)	506 (7.07%)
I ordered a smaller portion	3 (7.89%)	166 (2.32%)
I was tired	3 (7.89%)	408 (5.70%)
I normaly eat less	2 (5.26%)	475 (6.63%)
I did not like the smell	-	238 (3.32%)
I did not like the taste	2 (5.26%)	930 (13.0%)

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

Yes	30 (35.3%)	4287 (34.6%)
No	41 (48.2%)	7009 (56.5%)
No answer	12 (14.1%)	754 (6.08%)

„What do you eat?“ (n)*:

Cakes, biscuits	8 (26.7%)	1239 (28.9%)
Fresh fruits	13 (43.3%)	1825 (42.6%)
Sandwiches	1 (3.33%)	354 (8.26%)
Dairy products	2 (6.67%)	592 (13.8%)
Preferred dish	-	425 (9.91%)
Sweets	10 (33.3%)	626 (14.6%)
Fruit Juice	3 (10.0%)	711 (16.6%)
Others	4 (13.3%)	842 (19.6%)

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

Yes	40 (47.1%)	8563 (69.1%)
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Results referring to the total number of completed questionnaires