



nutritionDay November 2012 in AUSTRIA

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:	13
Number of patients on nutritionDay:	156
Number of patients completing Sheet 3a:	97
Number of patients completing Sheet 3b:	95

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	79 ± 210	30 ± 30
Maximum	107 ± 269	33 ± 20
Number of patients on the nutritionDay (n):		
Total	156	14093
Did not give consent	23 (14.7%)	1118 (7.93%)
Needed help completing form	23 (14.7%)	7592 (53.9%)
Terminally ill	49 (31.4%)	962 (6.83%)
Specialities (n):		
Internal medicine / general	1 (7.69%)	125 (19.0%)
Internal medicine / gastroenterology and hepatology	2 (15.4%)	39 (5.93%)
Internal medicine / oncology (incl. radiotherapy)	8 (61.5%)	82 (12.5%)
Internal medicine / cardiology	-	32 (4.86%)
Internal medicine / infectious diseases	-	10 (1.52%)
Internal medicine / geriatrics	1 (7.69%)	51 (7.75%)
Internal medicine / nephrology	-	14 (2.13%)
Pediatrics	-	4 (0.61%)
Neurology	-	14 (2.13%)
Psychiatry	-	7 (1.06%)
Ear Nose Throat (ENT)	1 (7.69%)	11 (1.67%)
General surgery	-	99 (15.0%)
Cardiothoracic surgery	-	7 (1.06%)
Orthopedic surgery	-	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	3.54 ± 4.84	6.65 ± 9.35
Physicians per patient	0.10 ± 0.08	0.21 ± 0.27
Consultants	2.69 ± 2.98	2.70 ± 4.89
Consultants per patient	0.06 ± 0.04	0.09 ± 0.16
Registrars	3.00 ± 3.84	2.65 ± 4.92
Registrars per patient	0.06 ± 0.04	0.09 ± 0.16
Nurses	9.23 ± 9.07	8.33 ± 9.99
Nurses per patient	0.27 ± 0.24	0.27 ± 0.26
Nursing aides	2.77 ± 3.17	3.46 ± 7.88

Nursing aides per patient	0.06 ± 0.05	0.10 ± 0.12
Dieticians and dietetic assistants	6.05 ± 11.86	1.32 ± 2.07
Dieticians and dietetic assistants per pat.	0.05 ± 0.08	0.04 ± 0.05

Nutrition Care:

Nutrition Team	1 units (08%) Yes	477 units (72%) Yes
Written procedures		
- individual	11 units (85%) Yes	430 units (65%) Yes
- local	8 units (62%) Yes	276 units (42%) Yes
- national	11 units (85%) Yes	270 units (41%) Yes
- other	1 units (08%) Yes	74 units (11%) Yes

Patients' weight assessed:

On admission	6 units (46%) Yes	462 units (70%) Yes
When requested	7 units (54%) Yes	341 units (52%) Yes
Once a week	4 units (31%) Yes	243 units (37%) Yes
Occasionally	3 units (23%) 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	156	14093
Patients who completed sheet 3a	97 (62.2%)	12396 (88.0%)
Patients who completed sheet 3b	95 (60.9%)	12050 (85.5%)
Demographic data:		
Age (years)	67 [3-113]	66 [3-113]
Female gender	76 (48.7%)	6843 (48.6%)
Weight (kg)	77.8 ± 25.9	70.7 ± 19.3
Height (cm)	171.3 ± 11.6	165.4 ± 11.8
BMI (kg/m ²)	26.2 ± 6.8	25.7 ± 6.3
ICU-stay:		
Any ICU-stay	1 (0.64%)	1433 (10.2%)
Surgery (n):		
Preoperative patients	5 (3.21%)	1329 (9.43%)
Postoperative patients	5 (3.21%)	3478 (24.7%)
Length of stay in Hospital (days):	10 [2-49]	13 [2-107]
Outcome after 30 days (n):		
Still in hospital	7 (4.49%)	1430 (10.1%)
Transferred to another hospital	1 (0.64%)	315 (2.24%)
Transferred to long-term care	3 (1.92%)	720 (5.11%)
Rehabilitation	1 (0.64%)	417 (2.96%)
Discharge home	68 (43.6%)	9797 (69.5%)
Death	12 (7.69%)	614 (4.36%)
Others	-	191 (1.36%)
Missing	64 (41.0%)	609 (4.32%)
Readmitted (n):	34 (21.8%)	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	1 (0.64%)	1007 (7.15%)
Parenteral nutrition	2 (1.28%)	504 (3.58%)
Enteral + parenteral nutrition	2 (1.28%)	164 (1.16%)
Special diet	18 (11.5%)	3511 (24.9%)
Protein supplement	12 (7.69%)	1606 (11.4%)
Hospital food	82 (52.6%)	7651 (54.3%)
Others	7 (4.49%)	775 (5.50%)
Missing	47 (30.1%)	760 (5.39%)
Lines & tubes (n)*:		
None	116 (74.4%)	8953 (63.5%)
Centralvenous	20 (12.8%)	977 (6.93%)
Nasogastric tube	-	353 (2.50%)
Any other (PEG, PEJ, ...)	20 (12.8%)	3810 (27.0%)
Affected organs (n)*:		
Brain, nerves	-	1754 (12.4%)
Eye, ear	-	215 (1.53%)
Nose, throat	-	337 (2.39%)
Heart, circulation	8 (5.13%)	2339 (16.6%)
Lung	4 (2.56%)	2014 (14.3%)
Liver	9 (5.77%)	645 (4.58%)
Gastrointestinal tract	23 (14.7%)	2652 (18.8%)
Kidney, urinary tract, female genital tract	3 (1.92%)	1812 (12.9%)
Endocrine system	1 (0.64%)	801 (5.68%)
Skeleton, bone, muscle	8 (5.13%)	2123 (15.1%)
Blood, bone marrow	14 (8.97%)	695 (4.93%)
Skin	2 (1.28%)	499 (3.54%)
Ischaemia	-	172 (1.22%)
Cancer	71 (45.5%)	2464 (17.5%)
Infection	3 (1.92%)	941 (6.68%)
Pregnancy	-	92 (0.65%)
Others	4 (2.56%)	904 (6.41%)
No affected organ	38 (24.4%)	840 (5.96%)
Comorbidities (n)*:		
Diabetes I/II	23 (14.7%)	2631 (18.7%)
Stroke	3 (1.92%)	694 (4.92%)
COPD	3 (1.92%)	876 (6.22%)
Myocardial infarction	3 (1.92%)	436 (3.09%)
Cardiac insufficiency	8 (5.13%)	1477 (10.5%)
Others	52 (33.3%)	6137 (43.5%)
No comorbidity	87 (55.8%)	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	87 (89.7%)	11983 (96.7%)
Yes	44 (45.4%)	5671 (45.7%)
No	30 (30.9%)	4600 (37.1%)
No, I've gained weight	9 (9.28%)	930 (7.50%)
I don't know	4 (4.12%)	782 (6.31%)
Category of weight decrease (n):		
Patients reporting weight loss	44 (45.4%)	5671 (45.7%)
0-4 kg	14 (14.4%)	2488 (20.1%)
5-8 kg	10 (10.3%)	1057 (8.53%)
> 8 kg	17 (17.5%)	1455 (11.7%)
Not sure	3 (3.09%)	581 (4.69%)
Missing	-	90 (0.73%)
"How well have you eaten during the last week?"(n):		
Normal	42 (43.3%)	5813 (46.9%)
A bit less than normal	24 (24.7%)	2701 (21.8%)
Less than half of normal	15 (15.5%)	1765 (14.2%)
Less than a quarter to nearly nothing	5 (5.15%)	1645 (13.3%)
Missing	11 (11.3%)	472 (3.81%)
"I ate less because"(n)*:		
Total of patients answering	46 (47.4%)	6130 (49.5%)
Loss of appetite	34 (35.1%)	3309 (26.7%)
Problems with swallowing, mastication	5 (5.15%)	612 (4.94%)
Nausea	12 (12.4%)	1019 (8.22%)
Other reasons	11 (11.3%)	2337 (18.9%)
"Can you walk without assistance?"(n):		
Yes	72 (74.2%)	7152 (57.7%)
No, only with assistance	12 (12.4%)	3308 (26.7%)
No, I stay in bed	2 (2.06%)	1514 (12.2%)
Missing	11 (11.3%)	422 (3.40%)
"In general would you say your health is" (n):		
Excellent	5 (5.15%)	452 (3.65%)
Good	2 (2.06%)	1001 (8.08%)
Very good	27 (27.8%)	3855 (31.1%)
Fair	31 (32.0%)	4253 (34.3%)
Poor	21 (21.6%)	2351 (19.0%)
Missing	11 (11.3%)	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	58 (59.8%)	7231 (58.3%)
No	22 (22.7%)	4009 (32.3%)
- I was not hungry	10 (45.5%)	1882 (46.9%)
- Problems with swallowing / mastication	2 (9.09%)	345 (8.61%)
- Nausea	5 (22.7%)	660 (16.5%)
- Others	6 (27.3%)	1147 (28.6%)
no answer	15 (15.5%)	810 (6.53%)

Fluid and supplement intake (n):

Patients with fluid intake	50 (52.6%)	9000 (74.7%)
Drinks per patient & day (l)	0.44	0.39
Patients with supplements	10 (10.5%)	1292 (10.7%)
Supplements per patient & day (l)	0.04	0.03

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

Water	77 (81.1%)	7568 (62.8%)
Milk	7 (7.37%)	2220 (18.4%)
Fruit juice	12 (12.6%)	3083 (25.6%)
Tea, coffee	59 (62.1%)	4258 (35.3%)
Soft drinks	11 (11.6%)	1010 (8.38%)

Lunch intake (n):

 All	31 (32.6%)	4890 (40.6%)
 1/2	39 (41.1%)	3106 (25.8%)
 1/4	16 (16.8%)	1863 (15.5%)
 Nothing	7 (7.37%)	1866 (15.5%)
? No answer	2 (2.11%)	325 (2.70%)

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

I was not hungry	19 (29.7%)	2028 (28.3%)
I had nausea / vomiting	7 (10.9%)	559 (7.81%)
I was not allowed to eat	1 (1.56%)	741 (10.3%)
I kann not eat without help	1 (1.56%)	89 (1.24%)
I had an examination / surgery	1 (1.56%)	506 (7.07%)
I ordered a smaller portion	5 (7.81%)	166 (2.32%)
I was tired	3 (4.69%)	408 (5.70%)
I normaly eat less	12 (18.8%)	475 (6.63%)
I did not like the smell	2 (3.13%)	238 (3.32%)
I did not like the taste	11 (17.2%)	930 (13.0%)

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

Yes	45 (46.4%)	4287 (34.6%)
No	34 (35.1%)	7009 (56.5%)
No answer	16 (16.5%)	754 (6.08%)

„What do you eat?“ (n)*:

Cakes, biscuits	11 (24.4%)	1239 (28.9%)
Fresh fruits	21 (46.7%)	1825 (42.6%)
Sandwiches	9 (20.0%)	354 (8.26%)
Dairy products	13 (28.9%)	592 (13.8%)
Preferred dish	8 (17.8%)	425 (9.91%)
Sweets	13 (28.9%)	626 (14.6%)
Fruit Juice	9 (20.0%)	711 (16.6%)
Others	9 (20.0%)	842 (19.6%)

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

Yes	36 (37.1%)	8563 (69.1%)
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Results referring to the total number of completed questionnaires