



nutritionDay
WORLDWIDE

Country report

nutritionDay November 2011 in CZECH REPUBLIC

Dear participant,

June 2012

Thank you for your participation in nutritionDay worldwide in November 2011 and for your effort. We can finally present you your preliminary country report of the following sample size:

Number of units on nutritionDay:	7
Number of patients on nutritionDay:	154
Number of patients completing Sheet 3a:	151
Number of patients completing Sheet 3b:	149

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 8th 2012. 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!

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Karin Schindler

Johanna Tripamer

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 2011 = 20*

Fluid status (n):
dehydrated 4

Explanation: 4 of 20 patients participating are reported to be dehydrated on nutritionDay 2011.

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 2011 = 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"):

	678 units, 14207 patients	
	YOUR RESULTS	REFERENCE ND-11
Number of beds (n):		
Actual	23 ± 8	37 ± 50
Maximum	26 ± 8	38 ± 31
Number of patients on the nutritionDay (n):		
Total	154	14207
Did not give consent	-	1205 (8.48%)
Needed help completing form	83 (53.9%)	8324 (58.6%)
Terminally ill	7 (4.55%)	988 (6.95%)
Specialities (n):		
Internal medicine / general	2 (28.6%)	115 (17.0%)
Internal medicine / gastroenterology and hepatology	-	46 (6.78%)
Internal medicine / oncology (incl. radiotherapy)	1 (14.3%)	76 (11.2%)
Internal medicine / cardiology	-	38 (5.60%)
Internal medicine / infectious diseases	-	8 (1.18%)
Internal medicine / geriatrics	1 (14.3%)	54 (7.96%)
Internal medicine / nephrology	1 (14.3%)	11 (1.62%)
Pediatrics	-	2 (0.29%)
Neurology	-	26 (3.83%)
Psychiatry	-	4 (0.59%)
Ear Nose Throat (ENT)	-	18 (2.65%)
General surgery	1 (14.3%)	111 (16.4%)
Cardiothoracic surgery	-	17 (2.51%)
Orthopedic surgery	-	39 (5.75%)
Trauma	-	7 (1.03%)
Neurosurgery	-	11 (1.62%)
Gynecology	-	8 (1.18%)
Long-term-care	-	6 (0.88%)
Others	1 (14.3%)	81 (11.9%)
Staff /Staff per patient (n):		
Physicians	3.29 ± 1.98	6.98 ± 10.34
Physicians per patient	0.12 ± 0.04	0.21 ± 0.27
Consultants	1.43 ± 0.79	3.16 ± 6.27
Consultants per patient	0.06 ± 0.03	0.10 ± 0.21
Registrars	1.00 ± 1.91	2.59 ± 4.52
Registrars per patient	0.03 ± 0.05	0.08 ± 0.17
Nurses	5.71 ± 2.98	9.92 ± 15.04
Nurses per patient	0.22 ± 0.11	0.27 ± 0.22
Nursing aides	1.71 ± 0.76	2.78 ± 4.15

Nursing aides per patient	0.08 ± 0.05	0.08 ± 0.14
Dieticians and dietetic assistants	0.86 ± 0.69	1.20 ± 2.07
Dieticians and dietetic assistants per pat.	0.03 ± 0.02	0.06 ± 0.57

Nutrition Care:

Nutrition Team	7 units (100%) Yes	476 units (70%) Yes
Written procedures		
- individual	4 units (57%) Yes	421 units (62%) Yes
- local	3 units (43%) Yes	261 units (38%) Yes
- national	1 units (14%) Yes	234 units (35%) Yes
- other	- units (00%) Yes	105 units (15%) Yes

Patients' weight assessed:

On admission	7 units (100%) Yes	484 units (71%) Yes
When requested	7 units (100%) Yes	385 units (57%) Yes
Once a week	3 units (43%) Yes	249 units (37%) Yes
Occasionally	1 units (14%) Yes	59 units (09%) Yes
Never	- units (00%) Yes	18 units (03%) Yes

II. YOUR PATIENTS ("Sheet 2"):

	678 units, 14207 patients	
	YOUR RESULTS	REFERENCE ND-11
Number of patients (n):		
Total	154	14207
Patients who completed sheet 3a	151 (98.1%)	12770 (89.9%)
Patients who completed sheet 3b	149 (96.8%)	12319 (86.7%)
Demographic data:		
Age (years)	69 [27-93]	67 [2-105]
Female gender	80 (51.9%)	6921 (48.7%)
Weight (kg)	77.3 ± 20.0	69.6 ± 21.0
Height (cm)	168.7 ± 10.8	165.2 ± 14.5
BMI (kg/m ²)	27.2 ± 7.0	25.4 ± 6.1
ICU-stay:		
Any ICU-stay	19 (12.3%)	1412 (9.94%)
Surgery (n):		
Preoperative patients	12 (7.79%)	1251 (8.81%)
Postoperative patients	15 (9.74%)	3671 (25.8%)
Length of stay in Hospital (days):	13 [3-185]	14 [1-1846]
Outcome after 30 days (n):		
Still in hospital	6 (3.90%)	1726 (12.1%)
Transferred to another hospital	1 (0.65%)	390 (2.75%)
Transferred to long-term care	4 (2.60%)	578 (4.07%)
Rehabilitation	1 (0.65%)	366 (2.58%)
Discharge home	97 (63.0%)	9755 (68.7%)
Death	7 (4.55%)	576 (4.05%)
Others	-	204 (1.44%)
Missing	38 (24.7%)	612 (4.31%)
Readmitted (n):	7 (4.55%)	1497 (10.5%)

Results in percent referring to the total number of patients

II. YOUR PATIENTS ("Sheet 2"):

678 units, 14207 patients

	YOUR RESULTS	REFERENCE ND-11
Nutrition therapy (n)*:		
Enteral nutrition	18 (11.7%)	1136 (8.00%)
Parenteral nutrition	15 (9.74%)	640 (4.50%)
Enteral + parenteral nutrition	1 (0.65%)	140 (0.99%)
Special diet	4 (2.60%)	3640 (25.6%)
Protein supplement	24 (15.6%)	1363 (9.59%)
Hospital food	140 (90.9%)	8154 (57.4%)
Others	1 (0.65%)	778 (5.48%)
Missing	-	587 (4.13%)
Lines & tubes (n)*:		
None	128 (83.1%)	9416 (66.3%)
Centralvenous	15 (9.74%)	1055 (7.43%)
Nasogastric tube	-	326 (2.29%)
Any other (PEG, PEJ, ...)	11 (7.14%)	3410 (24.0%)
Affected organs (n)*:		
Brain, nerves	11 (7.14%)	1926 (13.6%)
Eye, ear	7 (4.55%)	304 (2.14%)
Nose, throat	1 (0.65%)	388 (2.73%)
Heart, circulation	82 (53.2%)	2647 (18.6%)
Lung	44 (28.6%)	1961 (13.8%)
Liver	15 (9.74%)	913 (6.43%)
Gastrointestinal tract	53 (34.4%)	3161 (22.2%)
Kidney, urinary tract, female genital tract	48 (31.2%)	1689 (11.9%)
Endocrine system	34 (22.1%)	1059 (7.45%)
Skeleton, bone, muscle	29 (18.8%)	2359 (16.6%)
Blood, bone marrow	14 (9.09%)	851 (5.99%)
Skin	1 (0.65%)	466 (3.28%)
Ischaemia	4 (2.60%)	180 (1.27%)
Cancer	45 (29.2%)	3064 (21.6%)
Infection	32 (20.8%)	1078 (7.59%)
Pregnancy	-	36 (0.25%)
Others	16 (10.4%)	1007 (7.09%)
No affected organ	-	590 (4.15%)
Comorbidities (n)*:		
Diabetes I/II	57 (37.0%)	2566 (18.1%)
Stroke	12 (7.79%)	798 (5.62%)
COPD	13 (8.44%)	883 (6.22%)
Myocardial infarction	18 (11.7%)	591 (4.16%)
Cardiac insufficiency	27 (17.5%)	1735 (12.2%)
Others	64 (41.6%)	5325 (37.5%)
No comorbidity	30 (19.5%)	5505 (38.7%)

Results in percent referring to the total number of patients

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

678 units, 14207 patients

	YOUR RESULTS	REFERENCE ND-11
Weight loss within the last 3 months (n):		
Total of patients answering	146 (96.7%)	12269 (96.1%)
Yes	67 (44.4%)	5661 (44.3%)
No	66 (43.7%)	4638 (36.3%)
No, I've gained weight	5 (3.31%)	1067 (8.36%)
I don't know	8 (5.30%)	903 (7.07%)
Category of weight decrease (n):		
Patients reporting weight loss	67 (44.4%)	5661 (44.3%)
0-4 kg	41 (27.2%)	2538 (19.9%)
5-8 kg	6 (3.97%)	1045 (8.18%)
> 8 kg	15 (9.93%)	1423 (11.1%)
Not sure	3 (1.99%)	576 (4.51%)
Missing	2 (1.32%)	79 (0.62%)
"How well have you eaten during the last week?"(n):		
Normal	61 (40.4%)	6081 (47.6%)
A bit less than normal	41 (27.2%)	2575 (20.2%)
Less than half of normal	16 (10.6%)	1838 (14.4%)
Less than a quarter to nearly nothing	23 (15.2%)	1716 (13.4%)
Missing	10 (6.62%)	560 (4.39%)
"I ate less because"(n)*:		
Total of patients answering	86 (57.0%)	6075 (47.6%)
Loss of appetite	41 (27.2%)	3243 (25.4%)
Problems with swallowing, mastication	6 (3.97%)	609 (4.77%)
Nausea	11 (7.28%)	1074 (8.41%)
Other reasons	31 (20.5%)	2325 (18.2%)
"Can you walk without assistance?"(n):		
Yes	109 (72.2%)	7570 (59.3%)
No, only with assistance	20 (13.2%)	3323 (26.0%)
No, I stay in bed	18 (11.9%)	1417 (11.1%)
Missing	4 (2.65%)	460 (3.60%)
"In general would you say your health is" (n):		
Excellent	3 (1.99%)	341 (2.67%)
Good	4 (2.65%)	852 (6.67%)
Very good	67 (44.4%)	3898 (30.5%)
Fair	19 (12.6%)	4501 (35.2%)
Poor	55 (36.4%)	2543 (19.9%)
Missing	3 (1.99%)	635 (4.97%)
Results in percent referring to the total number of patients answering		

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

678 units, 14207 patients

YOUR RESULTS REFERENCE ND-11

Hospital food intake:

„Is your appetite normal?“ (n):

Yes	100 (66.2%)	7557 (59.2%)
No	47 (31.1%)	3941 (30.9%)
- I was not hungry	19 (40.4%)	1936 (49.1%)
- Problems with swallowing / mastication	6 (12.8%)	326 (8.27%)
- Nausea	2 (4.26%)	671 (17.0%)
- Others	10 (21.3%)	969 (24.6%)
no answer	2 (1.32%)	821 (6.43%)

Fluid and supplement intake (n):

Patients with fluid intake	101 (67.8%)	9318 (75.6%)
Drinks per patient & day (l)	0.44	0.55
Patients with supplements	20 (13.4%)	1147 (9.31%)
Supplements per patient & day (l)	0.05	0.04

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

Water	70 (47.0%)	7925 (64.3%)
Milk	3 (2.01%)	2062 (16.7%)
Fruit juice	13 (8.72%)	3006 (24.4%)
Tea, coffee	98 (65.8%)	4583 (37.2%)
Soft drinks	15 (10.1%)	746 (6.06%)

Lunch intake (n):

 All	70 (47.0%)	5174 (42.0%)
 1/2	31 (20.8%)	3053 (24.8%)
 1/4	23 (15.4%)	1890 (15.3%)
 Nothing	25 (16.8%)	1954 (15.9%)
? No answer	-	248 (2.01%)

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

I was not hungry	22 (27.8%)	2066 (28.9%)
I had nausea / vomiting	3 (3.80%)	685 (9.59%)
I was not allowed to eat	16 (20.3%)	702 (9.83%)
I kann not eat without help	-	104 (1.46%)
I had an examination / surgery	4 (5.06%)	553 (7.74%)
I ordered a smaller portion	-	136 (1.90%)
I was tired	1 (1.27%)	434 (6.07%)
I normaly eat less	6 (7.59%)	584 (8.17%)
I did not like the smell	-	275 (3.85%)
I did not like the taste	5 (6.33%)	945 (13.2%)

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

Yes	51 (33.8%)	4578 (35.8%)
No	94 (62.3%)	7056 (55.3%)
No answer	4 (2.65%)	685 (5.36%)

„What do you eat?“ (n)*:

Cakes, biscuits	17 (33.3%)	1312 (28.7%)
Fresh fruits	35 (68.6%)	1918 (41.9%)
Sandwiches	1 (1.96%)	396 (8.65%)
Dairy products	4 (7.84%)	650 (14.2%)
Preferred dish	3 (5.88%)	522 (11.4%)
Sweets	6 (11.8%)	699 (15.3%)
Fruit Juice	4 (7.84%)	870 (19.0%)
Others	3 (5.88%)	901 (19.7%)

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

Yes	115 (76.2%)	8581 (67.2%)
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Results referring to the total number of completed questionnaires