



Dear participant,

Thank you for your participation in nutritionDay worldwide in 2017 and for your effort. We are now able to present you your country report of the following sample size:

Number of participated center:	2
Number of participated units:	20
Number of patients:	348
Number of patients who gave consent:	208
Number of patients completing Sheet 3a:	202
Number of patients completing Sheet 3b:	203
Number of patients with 30-day outcome assessment:	208

This report compares your country data to international reference database based on data from nutritionDay 2016.

The report consists of 4 parts:

Part I reflects capacity and staffing of your hospitals.

Part II reflects the organisation and the structure of the units.

Part III describes the patient's demographics, the clinical information and the outcome.

Part IV is the summary of information on patient's nutrition, history and health status.

Next year's nutritionDay will take place in November 2018. 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 Moick, MA

I. Hospital capacity and staffing ("Hospital sheet")

	YOUR RESULTS	REFERENCE RESULTS
1. Total number of beds in hospital	1098 [729-1466]	290 [162-548]
2. Total number of admissions in the hospital last year	39301 [28974-49628]	16544 [7529-35485]
3. Total number of staff in the hospital		
Total medical doctors	1201 [873-1528]	161 [64-352]
Medical specialists	686 [599-772]	108 [42-202]
Medical non-specialists	515 [274-756]	33 [11-78]
Nurses	2048 [1304-2792]	347 [123-753]
Dieticians	23 [15-30]	4 [2-8]
Nutritionists	0 [0-0]	1 [0-4]
Pharmacists	15 [8-21]	6 [3-17]
Kitchen staff	145 [99-190]	29 [13-53]
Full time equivalent		
Total medical doctors	1751 [1751-1751]	119 [53-333]
Medical specialists	793 [793-793]	88 [43-204]
Medical non-specialists	958 [958-958]	31 [10-79]
Nurses	1661 [1025-2296]	309 [119-725]
Dieticians	16 [10-22]	4 [2-7]
Nutritionists	0 [0-0]	1 [0-3]
Pharmacists	12 [7-17]	5 [3-15]
Kitchen staff	141 [97-184]	22 [13-46]
4. Does the hospital have a nutrition care strategy?	1 (50.0%) Yes	203 (77.5%) Yes
5. Which nutrition-related standards or routine activities exist in your hospital?		
Nutrition training is available	2 (100%) Yes	170 (64.9%) Yes
Nutrition steering committee is available	2 (100%) Yes	151 (57.6%) Yes
Quality indicators are recorded and reported to national or regional level	-	105 (40.1%) Yes
Quality indicators are used for internal benchmarking	-	134 (51.1%) Yes
Patient feedback about food and food service is collected using a questionnaire	1 (50.0%) Yes	184 (70.2%) Yes
None	-	17 (6.5%) Yes
No answer given	-	-
6. Which codes are available /routinely used in your hospital for billing and reimbursement purposes?		
Codes available		
Nutrition Support	1 (50.0%) Yes	121 (46.2%) Yes
Oral nutrition supplements	1 (50.0%) Yes	99 (37.8%) Yes

Parenteral nutrition	2 (100%) Yes	139 (53.1%) Yes
Enteral nutrition	2 (100%) Yes	119 (45.4%) Yes
Dietary counseling	1 (50.0%) Yes	86 (32.8%) Yes
Specific dietary interventions	-	70 (26.7%) Yes
Screening for malnutrition	1 (50.0%) Yes	61 (23.3%) Yes
Risk of malnutrition	1 (50.0%) Yes	63 (24.0%) Yes
Malnutrition (in general)	1 (50.0%) Yes	118 (45.0%) Yes
Severity of malnutrition (i.e. mild, moderate, severe)	2 (100%) Yes	114 (43.5%) Yes
No information available from billing/finance/controlling	-	39 (14.9%) Yes
No answer given	-	21 (8.0%)

Codes routinely used

Nutrition Support	1 (50.0%) Yes	100 (38.2%) Yes
Oral nutrition supplements	1 (50.0%) Yes	82 (31.3%) Yes
Parenteral nutrition	2 (100%) Yes	123 (46.9%) Yes
Enteral nutrition	2 (100%) Yes	103 (39.3%) Yes
Dietary counseling	1 (50.0%) Yes	68 (26.0%) Yes
Specific dietary interventions	-	59 (22.5%) Yes
Screening for malnutrition	1 (50.0%) Yes	48 (18.3%) Yes
Risk of malnutrition	1 (50.0%) Yes	44 (16.8%) Yes
Malnutrition (in general)	1 (50.0%) Yes	98 (37.4%) Yes
Severity of malnutrition (i.e. mild, moderate, severe)	2 (100%) Yes	98 (37.4%) Yes
No information available from billing/finance/controlling	-	46 (17.6%) Yes
No answer given	-	31 (1.5%)

II. Unit organisation and structures (“Sheet 1a/1b”)

	YOUR RESULTS	REFERENCE RESULTS
Internal Medicine / General	2 (10.0%)	20.2%
Internal Medicine / Cardiology	2 (10.0%)	5.5%
Internal Medicine / Gastroenterology & hepatology	-	6.5%
Internal Medicine / Geriatrics	-	8.2%
Internal Medicine / Infectious diseases	-	1.1%
Internal Medicine / Nephrology	1 (5.0%)	1.1%
Internal Medicine / Oncology (incl. radiotherapy)	2 (10.0%)	7.6%
Interdisciplinary	-	4.4%
Long term care	-	2.1%
Neurology	-	2.9%
Surgery / General	5 (25.0%)	17.3%
Surgery/ Cardiac/Vascular/Thoracic	2 (10.0%)	1.5%
Surgery / Neurosurgery	1 (5.0%)	1.1%
Surgery / Orthopedic	1 (5.0%)	4.2%
Trauma	-	1.5%
Ear Nose Throat (ENT)	2 (10.0%)	1.5%
Gynecology / Obstetrics	1 (5.0%)	2.1%
Pediatrics	-	0.0%
Psychiatry	-	0.6%
Others	1 (5.0%)	10.7%
2. Number of registered inpatients at noon	21 [17-24]	25 [18-34]
3. Total bed capacity of the unit	23 [19-27]	31 [25-44]
4. Number of each type of staff in the unit for TODAY’s morning shift		
Fully trained		
Medical doctors	1 [1-2]	4 [2-8]
Nurses	3 [3-4]	5 [4-8]
Nursing aides	2 [1-2]	2 [1-4]
Dieticians	0 [0-1]	1 [0-1]
Nutritionists	0 [0-0]	0 [0-1]
Administrative staff	1 [1-1]	1 [0-2]
Other staff involved in patient care	1 [1-1]	1 [0-3]
In training		
Medical doctors	1 [1-1]	1 [0-3]
Medical students	0 [0-1]	0 [0-2]
Nurses	1 [1-2]	1 [0-3]

Nursing aides	2 [1-3]	0 [0-0]
Dieticians	0 [0-0]	0 [0-0]
Nutritionists	0 [0-0]	0 [0-0]
Other staff involved in patient care	1 [0-1]	0 [0-0]

5. Is there a nutrition support team in your hospital available? 6 (30.0%) Yes 337 (74.2%) Yes

6. Does the unit have a nutrition care strategy? 6 (30.0%) Yes 330 (72.7%) Yes

7. Is there a person in your unit responsible for nutrition care? 18 (90.0%) Yes 331 (72.9%) Yes

8. Is there a dietician, nutritionist or dietetic assistant available for your unit? 20 (100%) Yes 410 (90.3%) Yes

9. Is specific staff responsible for providing feeding assistance to patients during meal times? 6 (30.0%) Yes 282 (62.1%) Yes

10. How do you MAINLY screen/monitor patients for malnutrition?

At admission

No routine screening	-	46 (9.7%) Yes
No fixed criteria	-	10 (2.1%) Yes
Experience / visual assessment only	-	43 (9.1%) Yes
Weighing / BMI only	5 (25.0%) Yes	66 (13.9%) Yes
Nutritional Risk Screening (NRS) 2002	15 (75.0%) Yes	136 (28.6%) Yes
Malnutrition Universal Screening Tool (MUST)	-	29 (6.1%) Yes
Malnutrition Screening tool (MST)	-	42 (8.8%) Yes
SNAQ	-	2 (0.42%) Yes
Other formal tool	-	77 (16.2%) Yes
I do not know	-	3 (0.63%) Yes
Missing	-	21 (4.4%)

During hospital stay

No routine monitoring	6 (30.0%) Yes	44 (9.3%) Yes
No fixed criteria	-	44 (9.3%) Yes
Experience / visual assessment only	-	90 (18.9%) Yes
Weighing / BMI only	13 (65.0%) Yes	136 (28.6%) Yes
Other formal tool	1 (5.0%) Yes	130 (27.4%) Yes
I do not know	-	10 (2.1%) Yes
Missing	-	21 (4.4%)

11a. Do you routinely use guidelines or standards for nutrition care? 18 (94.7%) Yes 354 (78.8%) Yes

11b. If yes, which one is mainly used?

International guidelines	6 (33.3%) Yes	91 (25.7%) Yes
National guidelines	-	56 (15.8%) Yes
Standards on hospital level	-	119 (33.6%) Yes
Standards on unit level	-	24 (6.8%) Yes
Individual patient nutrition care plans	12 (66.7%) Yes	57 (16.1%) Yes
Other	-	4 (1.1%) Yes
Missing	-	3 (0.85%)

12. What is routinely done in your unit for given patient groups?**At risk**

Watchful waiting	17 (85.0%) Yes	142 (29.9%) Yes
Discuss nutrition care activities during ward rounds	4 (20.0%) Yes	199 (41.9%) Yes
Develop an individual nutrition care plan	6 (30.0%) Yes	251 (52.8%) Yes
Initiate treatment / nutrition intervention	6 (30.0%) Yes	286 (60.2%) Yes
Consult a nutrition expert (dietician, nutritionist, etc.)	20 (100%) Yes	292 (61.5%) Yes
Consult a medical professional	6 (30.0%) Yes	178 (37.5%) Yes
Calculate energy requirements	20 (100%) Yes	240 (50.5%) Yes
Calculate protein requirements	20 (100%) Yes	234 (49.3%) Yes

Malnourished

Watchful waiting	2 (10.0%) Yes	101 (21.3%) Yes
Discuss nutrition care activities during ward rounds	14 (70.0%) Yes	218 (45.9%) Yes
Develop an individual nutrition care plan	20 (100%) Yes	267 (56.2%) Yes
Initiate treatment / nutrition intervention	20 (100%) Yes	316 (66.5%) Yes
Consult a nutrition expert (dietician, nutritionist, etc.)	19 (95.0%) Yes	294 (61.9%) Yes
Consult a medical professional	5 (25.0%) Yes	192 (40.4%) Yes
Calculate energy requirements	19 (95.0%) Yes	270 (56.8%) Yes
Calculate protein requirements	19 (95.0%) Yes	266 (56.0%) Yes

Every patient

Watchful waiting	8 (40.0%) Yes	204 (42.9%) Yes
Discuss nutrition care activities during ward rounds	2 (10.0%) Yes	131 (27.6%) Yes
Develop an individual nutrition care plan	6 (30.0%) Yes	79 (16.6%) Yes
Initiate treatment / nutrition intervention	6 (30.0%) Yes	61 (12.8%) Yes
Consult a nutrition expert (dietician, nutritionist, etc.)	6 (30.0%) Yes	77 (16.2%) Yes
Consult a medical professional	-	105 (22.1%) Yes
Calculate energy requirements	6 (30.0%) Yes	56 (11.8%) Yes
Calculate protein requirements	6 (30.0%) Yes	50 (10.5%) Yes

Never

Watchful waiting	-	35 (7.4%) Yes
Discuss nutrition care activities during ward rounds	-	38 (8.0%) Yes

Develop an individual nutrition care plan	-	32 (6.7%) Yes
Initiate treatment / nutrition intervention	-	6 (1.3%) Yes
Consult a nutrition expert (dietician, nutritionist, etc.)	-	8 (1.7%) Yes
Consult a medical professional	9 (45.0%) Yes	49 (10.3%) Yes
Calculate energy requirements	-	51 (10.7%) Yes
Calculate protein requirements	-	55 (11.6%) Yes

I do not know

Watchful waiting	-	22 (4.6%) Yes
Discuss nutrition care activities during ward rounds	9 (45.0%) Yes	11 (2.3%) Yes
Develop an individual nutrition care plan	-	5 (1.1%) Yes
Initiate treatment / nutrition intervention	-	5 (1.1%) Yes
Consult a nutrition expert (dietician, nutritionist, etc.)	-	4 (0.84%) Yes
Consult a medical professional	5 (25.0%) Yes	19 (4.0%) Yes
Calculate energy requirements	-	12 (2.5%) Yes
Calculate protein requirements	-	14 (2.9%) Yes

13. When do you routinely weigh your patients?

at admission	18 (90.0%) Yes	300 (63.2%) Yes
Within 24 hours	1 (5.0%) Yes	70 (14.7%) Yes
Within 48 hours	-	20 (4.2%) Yes
Within 72 hours	-	14 (2.9%) Yes
Every week	1 (5.0%) Yes	164 (34.5%) Yes
Occasionally	-	60 (12.6%) Yes
When requested	19 (95.0%) Yes	212 (44.6%) Yes
At discharge	-	22 (4.6%) Yes
Never	-	8 (1.7%) Yes
I do not know	-	1 (0.21%) Yes
No answer given	1 (2.9%)	23 (4.8%)

14. What do you do to support adequate food intake of patients?

Offer additional meals or in between snacks	20 (100%) Yes	350 (73.7%) Yes
Offer meal choices	19 (95.0%) Yes	348 (73.3%) Yes
Offer different portion sizes	19 (95.0%) Yes	292 (61.5%) Yes
Consider food presentation	14 (70.0%) Yes	198 (41.7%) Yes
Change food texture/consistency as needed	20 (100%) Yes	389 (81.9%) Yes
Consider patient problems with eating and drinking	20 (100%) Yes	385 (81.1%) Yes
Ensure that mealtimes are undisturbed/protected mealtime policy	17 (85.0%) Yes	58 (12.2%) Yes
Promote positive eating environment	18 (90.0%) Yes	92 (19.4%) Yes
Consider cultural/religious preferences	20 (100%) Yes	200 (42.1%) Yes
Consider patient allergies / intolerances	20 (100%) Yes	228 (48.0%) Yes
Other	2 (10.0%) Yes	29 (6.1%) Yes
I do not know	1 (5.0%) Yes	6 (1.3%) Yes
No answer given	-	21 (4.4%)

15. Which nutrition-related standards or routine activities exist in your unit?

Nutrition training is available	19 (95.0%) Yes	267 (56.2%) Yes
Reporting of nutrition related information to hospital managers	-	211 (44.4%) Yes
Quality indicators are recorded and reported to national or regional level	6 (30.0%) Yes	131 (27.6%) Yes
Quality indicators are used for internal benchmarking	-	175 (36.8%) Yes
Patient feedback about food and food service is collected using a questionnaire	14 (70.0%) Yes	302 (63.6%) Yes
None	-	21 (4.4%) Yes
I do not know	-	13 (2.7%) Yes
No answer given	-	37 (7.8%)

16. At admission what is asked and documented?

Change in weight	20 (100%) Yes	373 (78.5%) Yes
Eating habits/difficulties	6 (30.0%) Yes	349 (73.5%) Yes
Nutrition before admission	14 (70.0%) Yes	271 (57.1%) Yes
None	-	9 (1.9%) Yes
I do not know	-	5 (1.1%) Yes
No answer given	-	39 (8.2%)

17. On what forms is there a specific part about eating, nutrition or malnutrition?**a. Patient Record has a section for ...**

indicating if the patient is malnourished or at risk of malnutrition	11 (55.0%) Yes	335 (70.5%) Yes
nutrition treatment	8 (40.0%) Yes	280 (58.9%) Yes
None	8 (40.0%) Yes	30 (6.3%) Yes
I do not know	1 (5.0%) Yes	4 (0.84%) Yes

b. Discharge Letter ...

summarizes nutrition treatment received during stay	6 (30.0%) Yes	171 (36.0%) Yes
makes future nutrition-related recommendations	9 (45.0%) Yes	269 (56.6%) Yes
None	10 (50.0%) Yes	56 (11.8%) Yes
I do not know	1 (5.0%) Yes	26 (5.5%) Yes

18. Do you provide brochures about malnutrition to at risk/malnourished patients?	5 (31.3%) Yes	171 (44.5%) Yes
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19. Who filled in this sheet?

Head staff	-	120 (25.3%) Yes
Dietician	20 (100%) Yes	244 (51.4%) Yes
Nurse	1 (5.0%) Yes	127 (26.7%) Yes
Physician	-	74 (15.6%) Yes
Administrative staff	-	4 (0.84%) Yes

Other	-	8 (1.7%) Yes
None	-	-
I do not know	-	3 (0.63%) Yes

III. Patient demographics, medical information & Outcome ("Sheet 2a/2b")

	YOUR RESULTS	REFERENCE RESULTS
Total	208	9133
Age	68 [55-76]	67 [53-78]
Female	98 (47.1%)	4630 (50.7%)
Weight	73.2±15.5	68.8±18.8
Height	170±9	164±10
BMI	25.2±4.6	25.4±6.0

1. This hospital admission was...

planned	113 (54.3%)	3186 (34.9%)
an emergency	80 (38.5%)	5234 (57.3%)
I do not know	15 (7.2%)	713 (7.8%)
No answer given	-	-

2a. Diagnosis at admission

0100 Infectious and parasitic diseases	14 (6.7%)	833 (9.1%)
0200 Neoplasms	36 (17.3%)	1451 (15.9%)
0300 Blood and bloodforming organs and the immune mechanism	10 (4.8%)	612 (6.7%)
0400 Endocrine, nutritional and metabolic diseases	18 (8.7%)	1103 (12.1%)
0500 Mental health	2 (0.96%)	340 (3.7%)
0600 Nervous system	7 (3.4%)	795 (8.7%)
0700 Eye and adnexa	4 (1.9%)	134 (1.5%)
0800 Ear and mastoid process	4 (1.9%)	71 (0.78%)
0900 Circulatory system	70 (33.7%)	1817 (19.9%)
1000 Respiratory system	37 (17.8%)	1407 (15.4%)
1100 Digestive system	38 (18.3%)	2255 (24.7%)
1200 Skin and subcutaneous tissue	8 (3.8%)	444 (4.9%)
1300 Musculoskeletal system and connective tissue	50 (24.0%)	1332 (14.6%)
1400 Genitourinary system	26 (12.5%)	847 (9.3%)
1500 Pregnancy, childbirth and the puerperium	7 (3.4%)	126 (1.4%)
1600 Conditions originating in the perinatal period	-	22 (0.24%)
1700 Congenital/chromosomal abnormalities	-	9 (0.10%)
1800 Symptoms, signs, abnormal clinical/lab findings	3 (1.4%)	410 (4.5%)
1900 Injury, poisoning	4 (1.9%)	291 (3.2%)
2000 External causes of morbidity and mortality (e.g. transport accidents, assaults)	-	173 (1.9%)
2100 Factors influencing health status and contact with health services	6 (2.9%)	214 (2.3%)
No answer given	-	-

3. Which conditions/comorbidities does this patient have?

Cardiac insufficiency	41 (19.9%)	1665 (22.5%)
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Myocardial infarction	5 (2.4%)	418 (5.9%)
Chronic lung disease	24 (11.7%)	1118 (15.3%)
Cerebral vascular disease	11 (5.3%)	768 (10.7%)
Peripheral vascular disease	39 (18.9%)	888 (12.3%)
Chronic liver disease	13 (6.3%)	457 (6.4%)
Chronic kidney disease	32 (15.5%)	853 (11.8%)
Diabetes	36 (17.6%)	1983 (26.8%)
Cancer	40 (19.4%)	1815 (24.8%)
Infection	17 (8.3%)	1166 (16.0%)
Dementia	3 (1.5%)	398 (5.6%)
Major depressive disorder	7 (3.4%)	390 (5.5%)
Other chronic mental disorder	7 (3.4%)	387 (5.5%)
Other chronic disease	44 (21.7%)	2029 (27.4%)
None	66 (31.7%)	1421 (15.6%)

4a. Previous operation during this hospital stay

Yes, planned	104 (50.0%)	1796 (19.7%)
Yes, acute	10 (4.8%)	561 (6.1%)
No	90 (43.3%)	6420 (70.3%)
I do not know	1 (0.48%)	130 (1.4%)
Missing	3 (1.4%)	226 (2.5%)

Days since operation	2 [1-6]	4 [1-13]
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4b. Planned operation during this hospital stay

Yes, today or tomorrow	22 (10.6%)	766 (8.4%)
Yes, later	8 (3.8%)	536 (5.9%)
No	169 (81.3%)	6795 (74.4%)
I do not know	3 (1.4%)	417 (4.6%)
Missing	6 (2.9%)	619 (6.8%)

5. Previous ICU admission during this hospital stay? (Yes)	26 (12.5%)	982 (10.8%)
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6. Is this patient terminally ill?	3 (1.4%)	660 (7.2%)
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7. Fluid status

Normal	96 (46.2%)	7154 (78.3%)
Overloaded	15 (7.2%)	518 (5.7%)
Dehydrated	4 (1.9%)	475 (5.2%)
I do not know	93 (44.7%)	986 (10.8%)
Missing	-	-

8. Number of different medications planned

Oral	5 [3-8]	5 [2-8]
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Other	1 [0-2]	2 [1-4]
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9. Was this patient identified as malnourished or at risk of malnutrition?

Malnourished	20 (9.6%)	914 (10.0%)
At risk	16 (7.7%)	1610 (17.6%)
No	141 (67.8%)	5843 (64.0%)
I do not know	31 (14.9%)	766 (8.4%)
Missing	-	-

10. IV Fluids

Electrolyte solution (NaCl, Ringers lactate, etc)	61 (29.3%)	3595 (39.4%)
5% Glucose solution	7 (3.4%)	877 (9.6%)

11. Number of ONS drinks planned

0 [0-0]	0 [0-0]
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12. Nutrition intake

Regular hospital food	153 (73.6%)	5097 (55.8%)
Fortified/enriched hospital food	8 (3.8%)	801 (8.8%)
Protein/energy supplement (e.g. ONS drinks)	18 (8.7%)	1073 (11.7%)
Enteral nutrition	5 (2.4%)	495 (5.4%)
Parenteral nutrition	6 (2.9%)	485 (5.3%)
Special diet	37 (17.8%)	3173 (34.7%)
None	14 (6.7%)	506 (5.5%)

13a. All lines and Tubes

Central Venous	18 (8.7%)	752 (8.2%)
Peripheral venous access	80 (38.5%)	4362 (47.8%)
Nasogastric	3 (1.4%)	269 (2.9%)
Nasojejunal	2 (0.96%)	38 (0.42%)
Nasoduodenal	2 (0.96%)	22 (0.24%)
Enterostoma	2 (0.96%)	46 (0.50%)
Percutaneous endoscopy/surgical gastrostomy	-	71 (0.78%)
Percutaneous endoscopy/surgical jejunostomy	-	29 (0.32%)
None	109 (52.4%)	4024 (44.1%)

13b. Were there complications with nutrition related lines and tubes since admission?

Yes, previously	4 (1.9%)	93 (1.0%)
Yes, ongoing	1 (0.48%)	80 (0.88%)
No	193 (92.8%)	7577 (83.0%)
I do not know	10 (4.8%)	871 (9.5%)
Missing	-	512 (5.6%)

14. Please indicate if any of the following was done for this patient since admission

Energy requirements were determined	32 (15.4%)	3246 (35.5%)
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Protein requirements were determined	25 (12.0%)	2888 (31.6%)
Food/Nutrition intake was recorded in the patient record	32 (15.4%)	4124 (45.2%)
Nutrition treatment plan was developed	28 (13.5%)	3183 (34.9%)
Nutrition expert was consulted	32 (15.4%)	3050 (33.4%)
Malnutrition status is recorded in the patient record	31 (14.9%)	2529 (27.7%)
None	-	-

15a. Energy goal

< 500 kcal	10 (4.8%)	335 (3.7%)
500-999 kcal	-	109 (1.2%)
1000-1499 kcal	3 (1.4%)	957 (10.5%)
1500-1999 kcal	32 (15.4%)	2729 (29.9%)
>=2000 kcal	11 (5.3%)	993 (10.9%)
Not determined	141 (67.8%)	3222 (35.3%)
I do not know	11 (5.3%)	752 (8.2%)
Missing	-	36 (0.39%)

15b. Energy intake

< 500 kcal	11 (5.3%)	615 (6.7%)
500-999 kcal	10 (4.8%)	525 (5.7%)
1000-1499 kcal	7 (3.4%)	1192 (13.1%)
1500-1999 kcal	16 (7.7%)	2032 (22.2%)
>=2000 kcal	4 (1.9%)	597 (6.5%)
Not determined	147 (70.7%)	2998 (32.8%)
I do not know	13 (6.3%)	1122 (12.3%)
Missing	-	52 (0.57%)

16. Since admission, this patient's health status has...

Improved	91 (43.8%)	4626 (50.7%)
Deteriorated	13 (6.3%)	514 (5.6%)
Remained the same	67 (32.2%)	2506 (27.4%)
This patient has just been admitted	16 (7.7%)	574 (6.3%)
I do not know	21 (10.1%)	913 (10.0%)
Missing	-	-

Length of hospital stay (days)	9 [5-14]	12 [6-24]
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Outcome Code

1= Still in the hospital	4 (1.9%)	796 (8.7%)
2= Transferred to another hospital	1 (0.48%)	219 (2.4%)
3= Transferred to long term care	2 (0.96%)	373 (4.1%)
4= Rehabilitation	29 (13.9%)	500 (5.5%)
5= Discharged home	162 (77.9%)	6731 (73.7%)
6= Death	10 (4.8%)	283 (3.1%)

7= Others	-	175 (1.9%)
Missing	-	56 (0.61%)
Readmitted since ND		
1= No	178 (87.3%)	6273 (77.4%)
2= Yes, same hospital planned	13 (6.4%)	483 (6.0%)
3= Yes, same hospital unplanned	9 (4.4%)	471 (5.8%)
4= Yes, different hospital planned	1 (0.49%)	45 (0.56%)
5= Yes, different hospital unplanned	1 (0.49%)	45 (0.56%)
6= Unknown	-	366 (4.5%)
Missing	-	428 (5.3%)

IV. Patient's perspective: Medical history, nutrition status & intake today ("Sheet 3a/3b")

	YOUR RESULTS	REFERENCE RESULTS
1. What are your typical dietary habits?		
No special dietary habits	163 (80.7%)	6102 (69.3%)
I am vegetarian	3 (1.5%)	153 (1.7%)
I adhere to a vegan diet	-	53 (0.60%)
I eat gluten-free diet	1 (0.50%)	78 (0.89%)
I avoid added sugars	29 (14.4%)	1353 (15.4%)
I avoid carbohydrates	7 (3.5%)	515 (5.9%)
I eat a low fat-diet	24 (11.9%)	1034 (11.8%)
I am lactose intolerant	7 (3.5%)	343 (3.9%)
Other special diet due to intolerances/allergies	2 (0.99%)	179 (2.0%)
Other	13 (6.4%)	617 (7.0%)
No answer given	1 (0.50%)	217 (2.5%)
2. Where did you live before your current hospital admission?		
At home	195 (96.5%)	7771 (88.3%)
In a nursing home or other live-in facility	3 (1.5%)	295 (3.4%)
I was transferred from another hospital	2 (0.99%)	456 (5.2%)
Other	2 (0.99%)	147 (1.7%)
Missing	-	131 (1.5%)
3. In general, are you able to walk?		
Yes	161 (79.7%)	5599 (63.6%)
Yes, with someone's help	6 (3.0%)	963 (10.9%)
Yes, independently using a cane, walker, or crutches	20 (9.9%)	1142 (13.0%)
No, I have a wheelchair	4 (2.0%)	383 (4.4%)
No, I am bedridden	5 (2.5%)	579 (6.6%)
Missing	6 (3.0%)	134 (1.5%)
4. In general, how would you say your health is?		
Very good	34 (16.8%)	633 (7.2%)
Good	85 (42.1%)	3217 (36.6%)
Fair	60 (29.7%)	3329 (37.8%)
Poor	17 (8.4%)	1202 (13.7%)
Very poor	3 (1.5%)	268 (3.0%)
Missing	3 (1.5%)	151 (1.7%)
5. Over the last 12 months prior to your current hospital admission approximately...		
... how many times have you seen a doctor?	3 [2-10]	4 [2-10]
... how many times have you been admitted to the hospital (Emergency room, any ward)?	1 [0-2]	1 [0-2]
... how many nights in total have you spent in hospital?	5 [0-12]	5 [0-15]

6. How many different medications do you take routinely each day (prior to hospitalisation)?		
1-2	51 (25.2%)	1694 (19.3%)
3-5	60 (29.7%)	2352 (26.7%)
More than 5	44 (21.8%)	2722 (30.9%)
None	42 (20.8%)	1418 (16.1%)
I do not know	4 (2.0%)	449 (5.1%)
Missing	1 (0.50%)	165 (1.9%)
7. Do you have health insurance?		
Yes, private insurance only	41 (20.3%)	1319 (15.0%)
Yes, public insurance only	82 (40.6%)	4350 (49.4%)
Yes, both	72 (35.6%)	1115 (12.7%)
None	-	1177 (13.4%)
I prefer not to answer	4 (2.0%)	510 (5.8%)
Missing	3 (1.5%)	329 (3.7%)
8. What was your weight 5 years ago?		
	72 [63-83]	70 [60-83]
I do not know	24 (11.9%)	2377 (27.0%)
9a. Have you lost weight within the last 3 months?		
Yes, intentionally	19 (9.4%)	827 (9.4%)
Yes, unintentionally	63 (31.2%)	3324 (37.8%)
No, my weight stayed the same	81 (40.1%)	2582 (29.3%)
No, I gained weight	28 (13.9%)	951 (10.8%)
I do not know	5 (2.5%)	907 (10.3%)
Missing	6 (3.0%)	209 (2.4%)
9b. If yes, how many kg did you lose?		
	5 [3-10]	6 [3-10]
I do not know	4 (4.9%)	701 (16.9%)
10. Did you know about your hospitalisation two days before admission? (Yes)		
	110 (55.6%)	3271 (39.2%)
11. Please indicate if you ...		
... were weighed at admission	107 (53.8%)	4927 (56.7%)
... were informed about your nutrition status	46 (23.1%)	2797 (32.5%)
... were informed about nutrition care options	35 (17.6%)	2491 (29.0%)
... received special nutrition care	34 (17.1%)	2357 (27.5%)
12. How well have you eaten in the week before you were admitted to the hospital?		
More than normal	8 (3.9%)	388 (4.4%)
Normal	120 (59.1%)	5401 (61.8%)
About 3/4 of normal	22 (10.8%)	844 (9.7%)
About half of normal	30 (14.8%)	1065 (12.2%)

About a quarter to nearly nothing	14 (6.9%)	791 (9.0%)
I do not know	2 (0.99%)	88 (1.0%)
Missing	7 (3.4%)	167 (1.9%)

13. In general, how satisfied are you with the food at the hospital?

Very satisfied	110 (54.2%)	2368 (27.1%)
Somewhat satisfied	47 (23.2%)	2629 (30.1%)
Neutral	14 (6.9%)	1752 (20.0%)
Dissatisfied	8 (3.9%)	691 (7.9%)
Very dissatisfied	5 (2.5%)	261 (3.0%)
I do not know	11 (5.4%)	726 (8.3%)
Missing	8 (3.9%)	317 (3.6%)

14. Did you get any help with eating TODAY?

Yes, from family or friends	3 (1.5%)	978 (11.2%)
Yes, from hospital staff	11 (5.4%)	581 (6.6%)
No	172 (84.7%)	6652 (76.1%)
I do not know	5 (2.5%)	113 (1.3%)
Missing	12 (5.9%)	420 (4.8%)

15. Were you able to eat without interruption TODAY? (Yes)	146 (76.8%)	6110 (74.6%)
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16a. Please indicate how much hospital food you ate for lunch or dinner TODAY:

About all	111 (54.7%)	4213 (48.2%)
1/2	43 (21.2%)	2075 (23.7%)
1/4	19 (9.4%)	1064 (12.2%)
Nothing	18 (8.9%)	1004 (11.5%)
Missing	12 (5.9%)	388 (4.4%)

16b. The portion size of the meal I ordered TODAY was...

Standard	118 (58.1%)	5611 (64.2%)
Smaller	37 (18.2%)	811 (9.3%)
Larger	6 (3.0%)	344 (3.9%)
I do not know	15 (7.4%)	884 (10.1%)
Missing	27 (13.3%)	1094 (12.5%)

17. If you did not eat everything of your meal, please tell us why:

I did not like the type of food offered	9 (11.3%)	608 (14.7%)
I did not like the smell/taste of the food	6 (7.5%)	474 (11.4%)
The food did not fit my cultural/religious preferences	1 (1.3%)	54 (1.3%)
The food was too hot	-	15 (0.36%)
The food was too cold	1 (1.3%)	95 (2.3%)
Due to food allergy/intolerance	-	27 (0.65%)
I was not hungry at that time	20 (25.0%)	709 (17.1%)

I do not have my usual appetite	32 (40.0%)	1167 (28.2%)
I have problems chewing/swallowing	7 (8.8%)	239 (5.8%)
I normally eat less than what was served	11 (13.8%)	457 (11.0%)
I had nausea/vomiting	6 (7.5%)	345 (8.3%)
I was too tired	7 (8.8%)	227 (5.5%)
I cannot eat without help	1 (1.3%)	73 (1.8%)
I was not allowed to eat	6 (7.5%)	460 (11.1%)
I had an exam, surgery, or test and missed my meal	3 (3.8%)	243 (5.9%)
I did not get requested food	1 (1.3%)	54 (1.3%)
No answer given	9 (11.3%)	510 (12.3%)

18. Enter the number of glasses/cups of the drinks you consumed in the last 24 hours

Water	5 [4-8]	3 [2-5]
Tea	2 [1-5]	1 [0-2]
Coffee	2 [1-2]	1 [0-2]
Milk	1 [0-1]	1 [0-1]
Fruit juice	1 [1-1]	1 [0-2]
Soft drinks	0 [0-1]	0 [0-1]
Nutrition drink	0 [0-1]	0 [0-1]
Other	0 [0-1]	0 [0-1]

19a. Did you eat any food apart from hospital food TODAY? 42 (23.5%) 2179 (27.2%)

19b. If yes, what did you eat?

Sweet snacks	16 (38.1%)	548 (25.1%)
Salty snacks	5 (11.9%)	290 (13.3%)
Homemade food	3 (7.1%)	320 (14.7%)
Fruits	19 (45.2%)	774 (35.5%)
Dairy products	4 (9.5%)	221 (10.1%)
Food delivered/restaurant	1 (2.4%)	85 (3.9%)
Sandwich	-	145 (6.7%)
Other	3 (7.1%)	429 (19.7%)

20. How has your food intake changed since your hospital admission?

Increased	23 (11.3%)	1201 (13.7%)
Decreased	84 (41.4%)	2809 (32.1%)
Stayed the same	66 (32.5%)	3616 (41.4%)
I do not know	14 (6.9%)	601 (6.9%)
Missing	16 (7.9%)	517 (5.9%)

21. TODAY I feel...

Stronger than at admission	66 (32.5%)	3792 (43.4%)
Weaker than at admission	68 (33.5%)	1514 (17.3%)
Same as at admission	54 (26.6%)	2454 (28.1%)

I was admitted today	1 (0.49%)	239 (2.7%)
I do not know	9 (4.4%)	466 (5.3%)
Missing	5 (2.5%)	279 (3.2%)

22. Can you walk without assistance TODAY?

Yes	144 (70.9%)	5103 (58.4%)
No, only with assistance	37 (18.2%)	2181 (24.9%)
No, I stay in bed	15 (7.4%)	984 (11.3%)
Missing	7 (3.4%)	476 (5.4%)

23. Did anyone help you complete this questionnaire?	102 (51.3%)	5889 (69.0%)
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