



Dear participant,

Thank you for your participation in nutritionDay worldwide in 2018 and for your effort. We are now able to present you your country report of the following sample size:

Number of participated center:	5
Number of participated units:	6
Number of patients who gave consent:	152
Number of patients completing Sheet 3a:	152
Number of patients completing Sheet 3b:	152
Number of patients with 30-day outcome assessment:	152

This report compares your country data to international reference database based on data from nutritionDay 2016 and 2017.

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 2019. 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	823 [90-1200]	317 [188-615]
2. Total number of admissions in the hospital last year	6720 [4581-20502]	17520 [8982-34767]
3. Total number of staff in the hospital		
Total medical doctors	298 [37-787]	170 [78-396]
Medical specialists	46 [29-494]	117 [54-244]
Medical non-specialists	550	35 [11-82]
Nurses	529 [96-1527]	418 [195-800]
Dietitians	0 [0-0]	5 [2-9]
Nutritionists	1 [0-2]	1 [0-4]
Pharmacists	2 [2-24]	7 [4-22]
Kitchen staff	105 [57-152]	30 [14-55]
Full time equivalent		
Total medical doctors	659 [351-967]	139 [60-368]
Medical specialists	472 [257-686]	98 [48-245]
Medical non-specialists	550	34 [11-87]
Nurses	1417 [751-2084]	350 [187-778]
Dietitians	-	4 [2-8]
Nutritionists	3 [2-4]	1 [0-3]
Pharmacists	24 [13-34]	6 [3-18]
Kitchen staff	105 [57-152]	27 [14-50]
4. Does the hospital have a nutrition care strategy?	3 (75.0%) Yes	351 (78.7%) Yes
5. Which nutrition-related standards or routine activities exist in your hospital?		
Nutrition training is available	3 (60.0%) Yes	298 (66.8%) Yes
Nutrition steering committee is available	2 (40.0%) Yes	280 (62.8%) Yes
Quality indicators are recorded and reported to national or regional level	-	193 (43.3%) Yes
Quality indicators are used for internal benchmarking	1 (20.0%) Yes	235 (52.7%) Yes
Patient feedback about food and food service is collected using a questionnaire	2 (40.0%) Yes	337 (75.6%) Yes
None	-	19 (4.3%) Yes
No answer given	1 (20.0%)	-
6. Which codes are available /routinely used in your hospital for billing and reimbursement purposes?		
Codes available		
Nutrition Support	3 (60.0%) Yes	216 (48.4%) Yes
Oral nutrition supplements	2 (40.0%) Yes	165 (37.0%) Yes

Parenteral nutrition	2 (40.0%) Yes	255 (57.2%) Yes
Enteral nutrition	2 (40.0%) Yes	224 (50.2%) Yes
Dietary counseling	1 (20.0%) Yes	166 (37.2%) Yes
Specific dietary interventions	1 (20.0%) Yes	119 (26.7%) Yes
Screening for malnutrition	1 (20.0%) Yes	119 (26.7%) Yes
Risk of malnutrition	1 (20.0%) Yes	103 (23.1%) Yes
Malnutrition (in general)	-	203 (45.5%) Yes
Severity of malnutrition (i.e. mild, moderate, severe)	2 (40.0%) Yes	195 (43.7%) Yes
No information available from billing/finance/controlling	1 (20.0%) Yes	75 (16.8%) Yes
No answer given	-	18 (4.0%)

Codes routinely used

Nutrition Support	2 (40.0%) Yes	188 (42.2%) Yes
Oral nutrition supplements	2 (40.0%) Yes	143 (32.1%) Yes
Parenteral nutrition	2 (40.0%) Yes	233 (52.2%) Yes
Enteral nutrition	2 (40.0%) Yes	205 (46.0%) Yes
Dietary counseling	1 (20.0%) Yes	140 (31.4%) Yes
Specific dietary interventions	1 (20.0%) Yes	105 (23.5%) Yes
Screening for malnutrition	1 (20.0%) Yes	95 (21.3%) Yes
Risk of malnutrition	1 (20.0%) Yes	80 (17.9%) Yes
Malnutrition (in general)	1 (20.0%) Yes	176 (39.5%) Yes
Severity of malnutrition (i.e. mild, moderate, severe)	2 (40.0%) Yes	169 (37.9%) Yes
No information available from billing/finance/controlling	1 (20.0%) Yes	81 (18.2%) Yes
No answer given	-	29 (6.5%)

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

	YOUR RESULTS	REFERENCE RESULTS
Internal Medicine / General	3 (50.0%)	19.3%
Internal Medicine / Cardiology	-	4.5%
Internal Medicine / Gastroenterology & hepatology	-	6.3%
Internal Medicine / Geriatrics	-	7.9%
Internal Medicine / Infectious diseases	-	0.5%
Internal Medicine / Nephrology	-	1.3%
Internal Medicine / Oncology (incl. radiotherapy)	1 (16.7%)	7.2%
Interdisciplinary	-	3.3%
Long term care	-	2.0%
Neurology	-	3.6%
Surgery / General	-	13.5%
Surgery/ Cardiac/Vascular/Thoracic	-	2.1%
Surgery / Neurosurgery	-	1.0%
Surgery / Orthopedic	-	4.2%
Trauma	-	1.4%
Ear Nose Throat (ENT)	-	1.8%
Gynecology / Obstetrics	-	1.6%
Pediatrics	-	1.3%
Psychiatry	-	0.9%
Others	2 (33.3%)	16.1%
2. Number of registered inpatients at noon	41 [25-60]	24 [18-31]
3. Total bed capacity of the unit	47 [28-65]	30 [24-38]
4. Number of each type of staff in the unit for TODAY's morning shift		
Fully trained		
Medical doctors	5 [4-5]	3 [2-7]
Nurses	5 [4-5]	5 [3-8]
Nursing aides	4 [4-4]	2 [1-3]
Dieticians	0 [0-0]	1 [0-1]
Nutritionists	1 [0-1]	0 [0-1]
Administrative staff	1 [0-1]	1 [0-1]
Other staff involved in patient care	1 [1-1]	1 [0-2]
In training		
Medical doctors	4 [2-8]	1 [0-3]
Medical students	-	0 [0-2]
Nurses	0 [0-1]	1 [0-3]

Nursing aides	1 [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	0 [0-1]	0 [0-0]

5. Is there a nutrition support team in your hospital available? 4 (100%) Yes 705 (76.4%) Yes

6. Does the unit have a nutrition care strategy? 4 (100%) Yes 678 (73.5%) Yes

7. Is there a person in your unit responsible for nutrition care? 2 (50.0%) Yes 644 (69.8%) Yes

8. Is there a dietician, nutritionist or dietetic assistant available for your unit? 2 (40.0%) Yes 831 (90.0%) Yes

9. Is specific staff responsible for providing feeding assistance to patients during meal times? - 575 (62.3%) Yes

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

At admission

No routine screening	2 (33.3%) Yes	85 (8.8%) Yes
No fixed criteria	-	14 (1.4%) Yes
Experience / visual assessment only	-	77 (7.9%) Yes
Weighing / BMI only	-	141 (14.5%) Yes
Nutritional Risk Screening (NRS) 2002	1 (16.7%) Yes	309 (31.9%) Yes
Malnutrition Universal Screening Tool (MUST)	-	59 (6.1%) Yes
Malnutrition Screening tool (MST)	1 (16.7%) Yes	70 (7.2%) Yes
SNAQ	-	11 (1.1%) Yes
Other formal tool	1 (16.7%) Yes	148 (15.3%) Yes
I do not know	-	9 (0.93%) Yes
Missing	1 (16.7%)	47 (4.8%)

During hospital stay

No routine monitoring	1 (16.7%) Yes	88 (9.1%) Yes
No fixed criteria	-	77 (7.9%) Yes
Experience / visual assessment only	2 (33.3%) Yes	174 (17.9%) Yes
Weighing / BMI only	1 (16.7%) Yes	313 (32.3%) Yes
Other formal tool	1 (16.7%) Yes	251 (25.9%) Yes
I do not know	-	20 (2.1%) Yes
Missing	1 (16.7%)	47 (4.8%)

11a. Do you routinely use guidelines or standards for nutrition care? 3 (75.0%) Yes 724 (80.0%) Yes

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

International guidelines	-	186 (25.7%) Yes
National guidelines	1 (33.3%) Yes	105 (14.5%) Yes
Standards on hospital level	-	249 (34.4%) Yes
Standards on unit level	2 (66.7%) Yes	51 (7.0%) Yes
Individual patient nutrition care plans	-	116 (16.0%) Yes
Other	-	7 (0.97%) Yes
Missing	-	10 (1.4%)

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

Watchful waiting	1 (16.7%) Yes	281 (29.0%) Yes
Discuss nutrition care activities during ward rounds	1 (16.7%) Yes	430 (44.3%) Yes
Develop an individual nutrition care plan	1 (16.7%) Yes	509 (52.5%) Yes
Initiate treatment / nutrition intervention	3 (50.0%) Yes	582 (60.0%) Yes
Consult a nutrition expert (dietician, nutritionist, etc.)	3 (50.0%) Yes	592 (61.0%) Yes
Consult a medical professional	3 (50.0%) Yes	383 (39.5%) Yes
Calculate energy requirements	1 (16.7%) Yes	479 (49.4%) Yes
Calculate protein requirements	1 (16.7%) Yes	466 (48.0%) Yes

Malnourished

Watchful waiting	1 (16.7%) Yes	196 (20.2%) Yes
Discuss nutrition care activities during ward rounds	1 (16.7%) Yes	462 (47.6%) Yes
Develop an individual nutrition care plan	4 (66.7%) Yes	541 (55.8%) Yes
Initiate treatment / nutrition intervention	3 (50.0%) Yes	624 (64.3%) Yes
Consult a nutrition expert (dietician, nutritionist, etc.)	3 (50.0%) Yes	581 (59.9%) Yes
Consult a medical professional	2 (33.3%) Yes	411 (42.4%) Yes
Calculate energy requirements	1 (16.7%) Yes	537 (55.4%) Yes
Calculate protein requirements	1 (16.7%) Yes	522 (53.8%) Yes

Every patient

Watchful waiting	3 (50.0%) Yes	483 (49.8%) Yes
Discuss nutrition care activities during ward rounds	2 (33.3%) Yes	258 (26.6%) Yes
Develop an individual nutrition care plan	-	184 (19.0%) Yes
Initiate treatment / nutrition intervention	-	135 (13.9%) Yes
Consult a nutrition expert (dietician, nutritionist, etc.)	-	185 (19.1%) Yes
Consult a medical professional	-	209 (21.5%) Yes
Calculate energy requirements	1 (16.7%) Yes	123 (12.7%) Yes
Calculate protein requirements	1 (16.7%) Yes	113 (11.6%) Yes

Never

Watchful waiting	-	76 (7.8%) Yes
Discuss nutrition care activities during ward rounds	-	62 (6.4%) Yes

Develop an individual nutrition care plan	-	50 (5.2%) Yes
Initiate treatment / nutrition intervention	-	13 (1.3%) Yes
Consult a nutrition expert (dietician, nutritionist, etc.)	-	16 (1.6%) Yes
Consult a medical professional	-	106 (10.9%) Yes
Calculate energy requirements	1 (16.7%) Yes	103 (10.6%) Yes
Calculate protein requirements	1 (16.7%) Yes	124 (12.8%) Yes

I do not know

Watchful waiting	-	51 (5.3%) Yes
Discuss nutrition care activities during ward rounds	-	40 (4.1%) Yes
Develop an individual nutrition care plan	-	22 (2.3%) Yes
Initiate treatment / nutrition intervention	-	22 (2.3%) Yes
Consult a nutrition expert (dietician, nutritionist, etc.)	-	18 (1.9%) Yes
Consult a medical professional	-	51 (5.3%) Yes
Calculate energy requirements	1 (16.7%) Yes	40 (4.1%) Yes
Calculate protein requirements	1 (16.7%) Yes	42 (4.3%) Yes

13. When do you routinely weigh your patients?

at admission	3 (50.0%) Yes	625 (64.4%) Yes
Within 24 hours	1 (16.7%) Yes	142 (14.6%) Yes
Within 48 hours	-	54 (5.6%) Yes
Within 72 hours	-	27 (2.8%) Yes
Every week	1 (16.7%) Yes	393 (40.5%) Yes
Occasionally	-	109 (11.2%) Yes
When requested	4 (66.7%) Yes	483 (49.8%) Yes
At discharge	-	52 (5.4%) Yes
Never	-	13 (1.3%) Yes
I do not know	-	4 (0.41%) Yes
No answer given	10 (41.7%)	50 (5.2%)

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

Offer additional meals or in between snacks	2 (33.3%) Yes	730 (75.3%) Yes
Offer meal choices	3 (50.0%) Yes	711 (73.3%) Yes
Offer different portion sizes	2 (33.3%) Yes	635 (65.5%) Yes
Consider food presentation	3 (50.0%) Yes	356 (36.7%) Yes
Change food texture/consistency as needed	5 (83.3%) Yes	797 (82.2%) Yes
Consider patient problems with eating and drinking	5 (83.3%) Yes	793 (81.8%) Yes
Ensure that mealtimes are undisturbed/protected mealtime policy	2 (33.3%) Yes	218 (22.5%) Yes
Promote positive eating environment	3 (50.0%) Yes	281 (29.0%) Yes
Consider cultural/religious preferences	5 (83.3%) Yes	559 (57.6%) Yes
Consider patient allergies / intolerances	4 (66.7%) Yes	650 (67.0%) Yes
Other	-	74 (7.6%) Yes
I do not know	-	19 (2.0%) Yes
No answer given	1 (16.7%)	48 (4.9%)

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

Nutrition training is available	-	558 (57.5%)	Yes
Reporting of nutrition related information to hospital managers	1 (16.7%)	408 (42.1%)	Yes
Quality indicators are recorded and reported to national or regional level	-	302 (31.1%)	Yes
Quality indicators are used for internal benchmarking	1 (16.7%)	358 (36.9%)	Yes
Patient feedback about food and food service is collected using a questionnaire	3 (50.0%)	625 (64.4%)	Yes
None	1 (16.7%)	32 (3.3%)	Yes
I do not know	-	38 (3.9%)	Yes
No answer given	2 (33.3%)	68 (7.0%)	

16. At admission what is asked and documented?

Change in weight	3 (50.0%)	775 (79.9%)	Yes
Eating habits/difficulties	4 (66.7%)	746 (76.9%)	Yes
Nutrition before admission	-	592 (61.0%)	Yes
None	-	15 (1.5%)	Yes
I do not know	-	20 (2.1%)	Yes
No answer given	2 (33.3%)	70 (7.2%)	

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	1 (16.7%)	708 (73.0%)	Yes
nutrition treatment	1 (16.7%)	582 (60.0%)	Yes
None	2 (33.3%)	54 (5.6%)	Yes
I do not know	-	26 (2.7%)	Yes

b. Discharge Letter ...

summarizes nutrition treatment received during stay	1 (16.7%)	407 (42.0%)	Yes
makes future nutrition-related recommendations	2 (33.3%)	572 (59.0%)	Yes
None	2 (33.3%)	110 (11.3%)	Yes
I do not know	-	69 (7.1%)	Yes

18. Do you provide brochures about malnutrition to at risk/malnourished patients?	1 (25.0%)	356 (44.8%)	Yes
--	-----------	-------------	-----

19. Who filled in this sheet?

Head staff	-	281 (29.0%)	Yes
Dietician	-	517 (53.3%)	Yes
Nurse	3 (50.0%)	279 (28.8%)	Yes
Physician	1 (16.7%)	128 (13.2%)	Yes
Administrative staff	-	8 (0.82%)	Yes

Other	-	39 (4.0%) Yes
None	-	-
I do not know	-	7 (0.72%) Yes

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

	YOUR RESULTS	REFERENCE RESULTS
Total	152	17827
Age	78 [67-86]	67 [53-78]
Female	69 (45.4%)	8951 (50.2%)
Weight	68.8±15.0	70.1±19.2
Height	164±9	165±10
BMI	25.7±5.5	25.5±6.0

1. This hospital admission was...

planned	19 (12.5%)	6798 (38.1%)
an emergency	132 (86.8%)	9562 (53.6%)
I do not know	1 (0.66%)	1467 (8.2%)
No answer given	-	-

2a. Diagnosis at admission

0100 Infectious and parasitic diseases	17 (11.2%)	1555 (8.7%)
0200 Neoplasms	13 (8.6%)	3133 (17.6%)
0300 Blood and bloodforming organs and the immune mechanism	20 (13.2%)	1159 (6.5%)
0400 Endocrine, nutritional and metabolic diseases	23 (15.1%)	2190 (12.3%)
0500 Mental health	7 (4.6%)	851 (4.8%)
0600 Nervous system	11 (7.2%)	1636 (9.2%)
0700 Eye and adnexa	1 (0.66%)	236 (1.3%)
0800 Ear and mastoid process	-	127 (0.71%)
0900 Circulatory system	37 (24.3%)	3801 (21.3%)
1000 Respiratory system	71 (46.7%)	2810 (15.8%)
1100 Digestive system	23 (15.1%)	4343 (24.4%)
1200 Skin and subcutaneous tissue	2 (1.3%)	786 (4.4%)
1300 Musculoskeletal system and connective tissue	13 (8.6%)	2703 (15.2%)
1400 Genitourinary system	18 (11.8%)	1776 (10.0%)
1500 Pregnancy, childbirth and the puerperium	-	198 (1.1%)
1600 Conditions originating in the perinatal period	-	25 (0.14%)
1700 Congenital/chromosomal abnormalities	-	31 (0.17%)
1800 Symptoms, signs, abnormal clinical/lab findings	6 (3.9%)	816 (4.6%)
1900 Injury, poisoning	1 (0.66%)	512 (2.9%)
2000 External causes of morbidity and mortality (e.g. transport accidents, assaults)	1 (0.66%)	379 (2.1%)
2100 Factors influencing health status and contact with health services	-	619 (3.5%)
No answer given	-	-

3. Which conditions/comorbidities does this patient have?

Cardiac insufficiency	36 (27.9%)	3518 (22.5%)
-----------------------	------------	--------------

Myocardial infarction	8 (6.2%)	823 (5.4%)
Chronic lung disease	43 (29.3%)	2299 (14.8%)
Cerebral vascular disease	18 (13.8%)	1523 (9.9%)
Peripheral vascular disease	19 (14.6%)	1931 (12.6%)
Chronic liver disease	5 (3.9%)	992 (6.5%)
Chronic kidney disease	20 (16.0%)	1734 (11.3%)
Diabetes	45 (34.4%)	3888 (24.9%)
Cancer	26 (19.8%)	3763 (24.2%)
Infection	39 (30.5%)	2245 (14.5%)
Dementia	15 (11.7%)	798 (5.2%)
Major depressive disorder	9 (7.1%)	853 (5.6%)
Other chronic mental disorder	10 (8.1%)	815 (5.4%)
Other chronic disease	42 (33.3%)	4031 (25.9%)
None	11 (7.2%)	3008 (16.9%)

4a. Previous operation during this hospital stay

Yes, planned	10 (6.6%)	3584 (20.1%)
Yes, acute	1 (0.66%)	1077 (6.0%)
No	101 (66.4%)	12545 (70.4%)
I do not know	-	230 (1.3%)
Missing	40 (26.3%)	391 (2.2%)

Days since operation	3 [2-18]	3 [1-11]
----------------------	----------	----------

4b. Planned operation during this hospital stay

Yes, today or tomorrow	4 (2.6%)	1266 (7.1%)
Yes, later	3 (2.0%)	953 (5.3%)
No	101 (66.4%)	13798 (77.4%)
I do not know	-	833 (4.7%)
Missing	44 (28.9%)	977 (5.5%)

5. Previous ICU admission during this hospital stay? (Yes)

3 (2.7%)	1781 (10.0%)
----------	--------------

6. Is this patient terminally ill?

4 (2.6%)	1122 (6.3%)
----------	-------------

7. Fluid status

Normal	123 (80.9%)	13668 (76.7%)
Overloaded	5 (3.3%)	1008 (5.7%)
Dehydrated	19 (12.5%)	878 (4.9%)
I do not know	5 (3.3%)	2273 (12.8%)
Missing	-	-

8. Number of different medications planned

Oral	6 [3-9]	5 [2-8]
------	---------	---------

Other	4 [2-6]	2 [1-4]
-------	---------	---------

9. Was this patient identified as malnourished or at risk of malnutrition?

Malnourished	14 (9.2%)	2050 (11.5%)
At risk	28 (18.4%)	3162 (17.7%)
No	89 (58.6%)	11117 (62.4%)
I do not know	21 (13.8%)	1498 (8.4%)
Missing	-	-

10. IV Fluids

Electrolyte solution (NaCl, Ringers lactate, etc)	37 (24.3%)	6470 (36.3%)
5% Glucose solution	9 (5.9%)	1853 (10.4%)

11. Number of ONS drinks planned	0 [0-0]	0 [0-0]
----------------------------------	---------	---------

12. Nutrition intake

Regular hospital food	82 (53.9%)	10454 (58.6%)
Fortified/enriched hospital food	2 (1.3%)	1962 (11.0%)
Protein/energy supplement (e.g. ONS drinks)	15 (9.9%)	2469 (13.8%)
Enteral nutrition	2 (1.3%)	882 (4.9%)
Parenteral nutrition	2 (1.3%)	929 (5.2%)
Special diet	59 (38.8%)	5732 (32.2%)
None	6 (3.9%)	895 (5.0%)

13a. All lines and Tubes

Central Venous	2 (1.8%)	1535 (8.6%)
Peripheral venous access	88 (78.6%)	8238 (46.2%)
Nasogastric	-	462 (2.6%)
Nasojejunal	-	79 (0.44%)
Nasoduodenal	-	67 (0.38%)
Enterostoma	-	82 (0.46%)
Percutaneous endoscopy/surgical gastrostomy	-	137 (0.77%)
Percutaneous endoscopy/surgical jejunostomy	-	63 (0.35%)
None	64 (42.1%)	8032 (45.1%)

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

Yes, previously	1 (0.66%)	247 (1.4%)
Yes, ongoing	1 (0.66%)	173 (0.97%)
No	101 (66.4%)	14548 (81.6%)
I do not know	4 (2.6%)	1646 (9.2%)
Missing	45 (29.6%)	1213 (6.8%)

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

Energy requirements were determined	20 (17.9%)	6273 (35.2%)
-------------------------------------	------------	--------------

Protein requirements were determined	19 (17.0%)	5516 (30.9%)
Food/Nutrition intake was recorded in the patient record	32 (28.6%)	7653 (42.9%)
Nutrition treatment plan was developed	14 (12.5%)	6036 (33.9%)
Nutrition expert was consulted	14 (12.5%)	6237 (35.0%)
Malnutrition status is recorded in the patient record	9 (8.0%)	5297 (29.7%)
None	-	-

15a. Energy goal

< 500 kcal	1 (0.66%)	749 (4.2%)
500-999 kcal	-	194 (1.1%)
1000-1499 kcal	3 (2.0%)	1695 (9.5%)
1500-1999 kcal	31 (20.4%)	5578 (31.3%)
>=2000 kcal	2 (1.3%)	1992 (11.2%)
Not determined	71 (46.7%)	6066 (34.0%)
I do not know	4 (2.6%)	1515 (8.5%)
Missing	40 (26.3%)	38 (0.21%)

15b. Energy intake

< 500 kcal	1 (0.66%)	1264 (7.1%)
500-999 kcal	2 (1.3%)	900 (5.0%)
1000-1499 kcal	9 (5.9%)	2387 (13.4%)
1500-1999 kcal	38 (25.0%)	3954 (22.2%)
>=2000 kcal	2 (1.3%)	1047 (5.9%)
Not determined	54 (35.5%)	6021 (33.8%)
I do not know	6 (3.9%)	2199 (12.3%)
Missing	40 (26.3%)	55 (0.31%)

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

Improved	57 (37.5%)	8831 (49.5%)
Deteriorated	4 (2.6%)	1039 (5.8%)
Remained the same	36 (23.7%)	4935 (27.7%)
This patient has just been admitted	15 (9.9%)	1248 (7.0%)
I do not know	-	1774 (10.0%)
Missing	40 (26.3%)	-

Length of hospital stay (days)	14 [9-20]	12 [6-24]
--------------------------------	-----------	-----------

Outcome Code

1= Still in the hospital	10 (6.6%)	1702 (9.5%)
2= Transferred to another hospital	2 (1.3%)	419 (2.4%)
3= Transferred to long term care	3 (2.0%)	780 (4.4%)
4= Rehabilitation	-	785 (4.4%)
5= Discharged home	123 (80.9%)	13163 (73.8%)
6= Death	13 (8.6%)	535 (3.0%)

7= Others	1 (0.66%)	310 (1.7%)
Missing	-	133 (0.75%)
Readmitted since ND		
1= No	91 (64.5%)	11846 (75.5%)
2= Yes, same hospital planned	6 (4.3%)	1043 (6.7%)
3= Yes, same hospital unplanned	17 (12.1%)	889 (5.7%)
4= Yes, different hospital planned	3 (2.1%)	68 (0.43%)
5= Yes, different hospital unplanned	3 (2.1%)	68 (0.43%)
6= Unknown	-	646 (4.1%)
Missing	24 (17.0%)	1059 (6.8%)

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

	<i>YOUR RESULTS</i>	<i>REFERENCE RESULTS</i>
1. What are your typical dietary habits?		
No special dietary habits	75 (49.3%)	12235 (71.0%)
I am vegetarian	-	370 (2.1%)
I adhere to a vegan diet	-	132 (0.77%)
I eat gluten-free diet	-	156 (0.91%)
I avoid added sugars	9 (5.9%)	2604 (15.1%)
I avoid carbohydrates	9 (5.9%)	1038 (6.0%)
I eat a low fat-diet	15 (9.9%)	1930 (11.2%)
I am lactose intolerant	3 (2.0%)	572 (3.3%)
Other special diet due to intolerances/allergies	1 (0.66%)	323 (1.9%)
Other	8 (5.3%)	1219 (7.1%)
No answer given	42 (27.6%)	337 (2.0%)
2. Where did you live before your current hospital admission?		
At home	102 (67.1%)	15276 (88.7%)
In a nursing home or other live-in facility	7 (4.6%)	609 (3.5%)
I was transferred from another hospital	2 (1.3%)	883 (5.1%)
Other	1 (0.66%)	268 (1.6%)
Missing	40 (26.3%)	185 (1.1%)
3. In general, are you able to walk?		
Yes	69 (45.4%)	11104 (64.5%)
Yes, with someone's help	16 (10.5%)	1762 (10.2%)
Yes, independently using a cane, walker, or crutches	14 (9.2%)	2412 (14.0%)
No, I have a wheelchair	6 (3.9%)	712 (4.1%)
No, I am bedridden	7 (4.6%)	988 (5.7%)
Missing	40 (26.3%)	243 (1.4%)
4. In general, how would you say your health is?		
Very good	4 (2.6%)	1252 (7.3%)
Good	36 (23.7%)	6191 (36.0%)
Fair	34 (22.4%)	6489 (37.7%)
Poor	30 (19.7%)	2490 (14.5%)
Very poor	6 (3.9%)	558 (3.2%)
Missing	42 (27.6%)	241 (1.4%)
5. Over the last 12 months prior to your current hospital admission approximately...		
... how many times have you seen a doctor?	6 [3-12]	5 [2-10]
... how many times have you been admitted to the hospital (Emergency room, any ward)?	2 [1-3]	1 [0-2]
... how many nights in total have you spent in hospital?	7 [2-15]	5 [0-15]

6. How many different medications do you take routinely each day (prior to hospitalisation)?		
1-2	18 (11.8%)	3323 (19.3%)
3-5	26 (17.1%)	4698 (27.3%)
More than 5	61 (40.1%)	5507 (32.0%)
None	5 (3.3%)	2633 (15.3%)
I do not know	-	778 (4.5%)
Missing	42 (27.6%)	282 (1.6%)

7. Do you have health insurance?		
Yes, private insurance only	23 (15.1%)	2738 (15.9%)
Yes, public insurance only	69 (45.4%)	8466 (49.2%)
Yes, both	10 (6.6%)	2117 (12.3%)
None	3 (2.0%)	2268 (13.2%)
I prefer not to answer	7 (4.6%)	1018 (5.9%)
Missing	40 (26.3%)	614 (3.6%)

8. What was your weight 5 years ago?	75 [65-83]	72 [60-85]
I do not know	17 (11.2%)	4280 (24.9%)

9a. Have you lost weight within the last 3 months?		
Yes, intentionally	10 (6.6%)	1639 (9.5%)
Yes, unintentionally	75 (49.3%)	6488 (37.7%)
No, my weight stayed the same	41 (27.0%)	5108 (29.7%)
No, I gained weight	16 (10.5%)	1894 (11.0%)
I do not know	9 (5.9%)	1680 (9.8%)
Missing	1 (0.66%)	412 (2.4%)

9b. If yes, how many kg did you lose?	5 [3-10]	6 [4-10]
I do not know	13 (15.3%)	1267 (15.6%)

10. Did you know about your hospitalisation two days before admission? (Yes)	16 (15.0%)	6721 (41.1%)
---	------------	--------------

11. Please indicate if you ...		
... were weighed at admission	25 (22.3%)	9728 (57.2%)
... were informed about your nutrition status	12 (10.8%)	5774 (34.3%)
... were informed about nutrition care options	16 (14.3%)	5459 (32.5%)
... received special nutrition care	17 (15.2%)	5054 (30.1%)

12. How well have you eaten in the week before you were admitted to the hospital?		
More than normal	2 (1.3%)	762 (4.5%)
Normal	95 (62.5%)	10449 (61.1%)
About 3/4 of normal	14 (9.2%)	1762 (10.3%)
About half of normal	23 (15.1%)	2122 (12.4%)

About a quarter to nearly nothing	17 (11.2%)	1571 (9.2%)
I do not know	-	153 (0.89%)
Missing	1 (0.66%)	286 (1.7%)

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

Very satisfied	41 (27.0%)	4212 (24.6%)
Somewhat satisfied	30 (19.7%)	5626 (32.9%)
Neutral	22 (14.5%)	3361 (19.6%)
Dissatisfied	10 (6.6%)	1441 (8.4%)
Very dissatisfied	3 (2.0%)	491 (2.9%)
I do not know	6 (3.9%)	1415 (8.3%)
Missing	40 (26.3%)	559 (3.3%)

14. Did you get any help with eating TODAY?

Yes, from family or friends	25 (16.4%)	1651 (9.7%)
Yes, from hospital staff	1 (0.66%)	1185 (6.9%)
No	81 (53.3%)	13278 (77.6%)
I do not know	1 (0.66%)	218 (1.3%)
Missing	44 (28.9%)	773 (4.5%)

15. Were you able to eat without interruption TODAY? (Yes)	71 (65.1%)	11891 (74.2%)
---	------------	---------------

16a. Please indicate how much hospital food you ate for lunch or dinner TODAY:

About all	69 (45.4%)	7871 (46.0%)
1/2	39 (25.7%)	4261 (24.9%)
1/4	21 (13.8%)	2226 (13.0%)
Nothing	20 (13.2%)	1992 (11.6%)
Missing	3 (2.0%)	755 (4.4%)

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

Standard	72 (47.4%)	11000 (64.3%)
Smaller	6 (3.9%)	1600 (9.4%)
Larger	9 (5.9%)	763 (4.5%)
I do not know	9 (5.9%)	1701 (9.9%)
Missing	56 (36.8%)	2041 (11.9%)

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

I did not like the type of food offered	13 (16.3%)	1293 (15.2%)
I did not like the smell/taste of the food	7 (8.8%)	996 (11.7%)
The food did not fit my cultural/religious preferences	-	90 (1.1%)
The food was too hot	-	38 (0.45%)
The food was too cold	1 (1.3%)	207 (2.4%)
Due to food allergy/intolerance	-	53 (0.63%)
I was not hungry at that time	7 (8.8%)	1520 (17.9%)

I do not have my usual appetite	45 (56.3%)	2475 (29.2%)
I have problems chewing/swallowing	11 (13.8%)	478 (5.6%)
I normally eat less than what was served	11 (13.8%)	969 (11.4%)
I had nausea/vomiting	5 (6.3%)	637 (7.5%)
I was too tired	4 (5.0%)	506 (6.0%)
I cannot eat without help	-	141 (1.7%)
I was not allowed to eat	10 (12.5%)	869 (10.2%)
I had an exam, surgery, or test and missed my meal	4 (5.0%)	469 (5.5%)
I did not get requested food	-	93 (1.1%)
No answer given	1 (1.3%)	1161 (13.7%)

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

Water	4 [3-7]	3 [2-5]
Tea	0 [0-0]	1 [1-3]
Coffee	2 [0-2]	1 [1-2]
Milk	1 [1-2]	1 [0-1]
Fruit juice	0 [0-1]	1 [0-2]
Soft drinks	0 [0-0]	0 [0-1]
Nutrition drink	0 [0-0]	0 [0-1]
Other	0 [0-0]	0 [0-1]

19a. Did you eat any food apart from hospital food TODAY? 32 (29.9%) 4518 (28.8%)

19b. If yes, what did you eat?

Sweet snacks	9 (28.1%)	1302 (28.8%)
Salty snacks	4 (12.5%)	512 (11.3%)
Homemade food	4 (12.5%)	703 (15.6%)
Fruits	17 (53.1%)	1730 (38.3%)
Dairy products	-	471 (10.4%)
Food delivered/restaurant	-	191 (4.2%)
Sandwich	8 (25.0%)	282 (6.2%)
Other	6 (18.8%)	724 (16.0%)

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

Increased	25 (16.4%)	2508 (14.7%)
Decreased	51 (33.6%)	5344 (31.2%)
Stayed the same	32 (21.1%)	7154 (41.8%)
I do not know	4 (2.6%)	1188 (6.9%)
Missing	40 (26.3%)	911 (5.3%)

21. TODAY I feel...

Stronger than at admission	70 (46.1%)	7275 (42.5%)
Weaker than at admission	37 (24.3%)	3158 (18.5%)
Same as at admission	33 (21.7%)	4825 (28.2%)

I was admitted today	7 (4.6%)	465 (2.7%)
I do not know	4 (2.6%)	926 (5.4%)
Missing	1 (0.66%)	456 (2.7%)

22. Can you walk without assistance TODAY?

Yes	79 (52.0%)	10229 (59.8%)
No, only with assistance	40 (26.3%)	4164 (24.3%)
No, I stay in bed	33 (21.7%)	1821 (10.6%)
Missing	-	891 (5.2%)

23. Did anyone help you complete this questionnaire?	56 (50.0%)	10837 (65.0%)
---	------------	---------------