



Dear participant,

Thank you for your participation in nutritionDay worldwide in 2019 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:	27
Number of patients:	466
Number of patients who gave consent:	439
Number of patients completing Sheet 3a:	427
Number of patients completing Sheet 3b:	424
Number of patients with 30-day outcome assessment:	391

This report compares your country data to international reference database based on data from nutritionDay 2016-2018.

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 2020. Again, we would very much appreciate your participation. You will be provided with further information on a regular

Best regards from the nutritionDay-Team!

Prof. Dr. Michael Hiesmayr

Sigrid Moick, MA

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

	YOUR RESULTS	REFERENCE RESULTS
1. Total number of beds in hospital	881 [849-912]	333 [194-630]
2. Total number of admissions in the hospital last year	48912 [45456-52367]	18005 [9101-36130]
3. Total number of staff in the hospital		
Total medical doctors	166 [148-185]	173 [80-399]
Medical specialists	139 [114-164]	116 [53-250]
Medical non-specialists	10 [8-12]	37 [14-84]
Nurses	989 [866-1111]	420 [183-836]
Dieticians	5 [3-6]	5 [2-9]
Nutritionists	3 [3-4]	1 [0-4]
Pharmacists	8 [7-9]	7 [4-21]
Kitchen staff	55 [48-63]	31 [15-59]
Full time equivalent		
Total medical doctors	69 [69-69]	148 [60-373]
Medical specialists	47 [47-47]	98 [45-251]
Medical non-specialists	-	36 [11-99]
Nurses	-	364 [180-788]
Dieticians	-	5 [2-8]
Nutritionists	-	1 [0-3]
Pharmacists	-	6 [3-18]
Kitchen staff	-	29 [15-55]
4. Does the hospital have a nutrition care strategy?	2 (100,0%) Yes	498 (79,4%) Yes
5. Which nutrition-related standards or routine activities exist in your hospital?		
Nutrition training is available	1 (50,0%) Yes	434 (66,7%) Yes
Nutrition steering committee is available	1 (50,0%) Yes	388 (59,6%) Yes
Quality indicators are recorded and reported to national or regional level	1 (50,0%) Yes	263 (40,4%) Yes
Quality indicators are used for internal benchmarking	1 (50,0%) Yes	337 (51,8%) Yes
Patient feedback about food and food service is collected using a questionnaire	2 (100,0%) Yes	475 (73,0%) Yes
None	0 (0,0%) Yes	30 (4,6%) Yes
No answer given	0 (0,0%)	24 (3,7%)
6. Which codes are available /routinely used in your hospital for billing and reimbursement purposes?		
Codes available		
Nutrition Support	1 (50,0%) Yes	313 (48,1%) Yes

Oral nutrition supplements	2 (100,0%) Yes	239 (36,7%) Yes
Parenteral nutrition	2 (100,0%) Yes	375 (57,6%) Yes
Enteral nutrition	2 (100,0%) Yes	334 (51,3%) Yes
Dietary counseling	1 (50,0%) Yes	235 (36,1%) Yes
Specific dietary interventions	1 (50,0%) Yes	181 (27,8%) Yes
Screening for malnutrition	1 (50,0%) Yes	187 (28,7%) Yes
Risk of malnutrition	0 (0,0%) Yes	160 (24,6%) Yes
Malnutrition (in general)	0 (0,0%) Yes	294 (45,2%) Yes
Severity of malnutrition (i.e. mild, moderate, severe)	0 (0,0%) Yes	280 (43,0%) Yes
No information available from billing/finance/controlling	0 (0,0%) Yes	109 (16,7%) Yes
No answer given	-	42 (6,5%)

Codes routinely used

Nutrition Support	1 (50,0%) Yes	270 (41,5%) Yes
Oral nutrition supplements	1 (50,0%) Yes	209 (32,1%) Yes
Parenteral nutrition	1 (50,0%) Yes	343 (52,7%) Yes
Enteral nutrition	1 (50,0%) Yes	307 (47,2%) Yes
Dietary counseling	1 (50,0%) Yes	198 (30,4%) Yes
Specific dietary interventions	1 (50,0%) Yes	159 (24,4%) Yes
Screening for malnutrition	1 (50,0%) Yes	149 (22,9%) Yes
Risk of malnutrition	0 (0,0%) Yes	128 (19,7%) Yes
Malnutrition (in general)	0 (0,0%) Yes	255 (39,2%) Yes
Severity of malnutrition (i.e. mild, moderate, severe)	0 (0,0%) Yes	242 (37,2%) Yes
No information available from billing/finance/controlling	1 (50,0%) Yes	120 (18,4%) Yes
No answer given	-	53 (8,1%)

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

	YOUR RESULTS	REFERENCE RESULTS
Internal Medicine / General	6 (22,2%)	21.1%
Internal Medicine / Cardiology	2 (7,4%)	4.3%
Internal Medicine / Gastroenterology & hepatology	1 (3,7%)	7.8%
Internal Medicine / Geriatrics	0 (0,0%)	9.7%
Internal Medicine / Infectious diseases	1 (3,7%)	0.6%
Internal Medicine / Nephrology	0 (0,0%)	1.2%
Internal Medicine / Oncology (incl. radiotherapy)	1 (3,7%)	8.1%
Interdisciplinary	0 (0,0%)	3.4%
Long term care	0 (0,0%)	2.0%
Neurology	2 (7,4%)	3.6%
Surgery / General	0 (0,0%)	15.7%
Surgery/ Cardiac/Vascular/Thoracic	2 (7,4%)	1.4%
Surgery / Neurosurgery	0 (0,0%)	0.9%
Surgery / Orthopedic	1 (3,7%)	4.2%
Trauma	1 (3,7%)	0.9%
Ear Nose Throat (ENT)	0 (0,0%)	1.7%
Gynecology / Obstetrics	1 (3,7%)	1.4%
Pediatrics	0 (0,0%)	0.1%
Psychiatry	0 (0,0%)	0.9%
Others	9 (33,3%)	11.1%
2. Number of registered inpatients at noon	15 [9-21]	25 [19-32]
3. Total bed capacity of the unit	24 [20-39]	30 [24-40]
4. Number of each type of staff in the unit for TODAY's morning shift		
Fully trained		
Medical doctors	3 [1-4]	4 [2-7]
Nurses	4 [3-7]	5 [3-8]
Nursing aides	2 [1-3]	2 [1-4]
Dieticians	0 [0-0]	1 [0-1]
Nutritionists	0 [0-0]	0 [0-1]
Administrative staff	1 [1-2]	1 [0-1]
Other staff involved in patient care	2 [1-4]	1 [0-2]
In training		
Medical doctors	2 [1-5]	1 [0-3]
Medical students	1 [1-6]	0 [0-2]
Nurses	0 [0-1]	1 [0-3]

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

5. Is there a nutrition support team in your hospital available? 21 (80,8%) Yes 1018 (78,3%) Yes

6. Does the unit have a nutrition care strategy? 8 (30,8%) Yes 984 (75,7%) Yes

7. Is there a person in your unit responsible for nutrition care? 5 (19,2%) Yes 922 (70,9%) Yes

8. Is there a dietician, nutritionist or dietetic assistant available for your unit? 8 (29,6%) Yes 1239 (90,8%) Yes

9. Is specific staff responsible for providing feeding assistance to patients during meal times? 13 (50,0%) Yes 780 (60,0%) Yes

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

At admission

No routine screening	6 (22,2%) Yes	109 (7,6%)
No fixed criteria	1 (3,7%) Yes	21 (1,5%)
Experience / visual assessment only	-	102 (7,1%)
Weighing / BMI only	14 (51,9%) Yes	201 (14,1%)
Nutritional Risk Screening (NRS) 2002	6 (22,2%) Yes	462 (32,3%)
Malnutrition Universal Screening Tool (MUST)	-	81 (5,7%)
Malnutrition Screening tool (MST)	-	115 (8,0%)
SNAQ	-	13 (0,91%)
Other formal tool	-	249 (17,4%)
I do not know	-	11 (0,77%)
Missing	-	66 (4,6%)

During hospital stay

No routine monitoring	7 (25,9%) Yes	133 (9,3%)
No fixed criteria	1 (3,7%) Yes	118 (8,3%)
Experience / visual assessment only	7 (25,9%) Yes	235 (16,4%)
Weighing / BMI only	10 (37,0%) Yes	471 (32,9%)
Other formal tool	-	375 (26,2%)
I do not know	2 (7,4%) Yes	32 (2,2%)
Missing	-	66 (4,6%)

11a. Do you routinely use guidelines or standards for nutrition care? 11 (44,0%) Yes 1043 (82,1%) Yes

11b. If yes, which one is mainly used?		
International guidelines	5 (45,5%) Yes	257 (24,6%)
National guidelines	3 (27,3%) Yes	166 (15,9%)
Standards on hospital level	2 (18,2%) Yes	378 (36,2%)
Standards on unit level	1 (9,1%) Yes	65 (6,2%)
Individual patient nutrition care plans	-	155 (14,9%)
Other	-	11 (1,1%)
Missing	-	11 (1,1%)

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

At risk

Watchful waiting	10 (37,0%) Yes	399 (27,9%)
Discuss nutrition care activities during ward rounds	10 (37,0%) Yes	614 (42,9%)
Develop an individual nutrition care plan	14 (51,9%) Yes	720 (50,3%)
Initiate treatment / nutrition intervention	11 (40,7%) Yes	820 (57,3%)
Consult a nutrition expert (dietician, nutritionist, etc.)	17 (63,0%) Yes	828 (57,9%)
Consult a medical professional	11 (40,7%) Yes	505 (35,3%)
Calculate energy requirements	9 (33,3%) Yes	652 (45,6%)
Calculate protein requirements	9 (33,3%) Yes	630 (44,1%)

Malnourished

Watchful waiting	2 (7,4%) Yes	280 (19,6%)
Discuss nutrition care activities during ward rounds	6 (22,2%) Yes	675 (47,2%)
Develop an individual nutrition care plan	8 (29,6%) Yes	792 (55,4%)
Initiate treatment / nutrition intervention	7 (25,9%) Yes	884 (61,8%)
Consult a nutrition expert (dietician, nutritionist, etc.)	11 (40,7%) Yes	823 (57,6%)
Consult a medical professional	7 (25,9%) Yes	579 (40,5%)
Calculate energy requirements	5 (18,5%) Yes	763 (53,4%)
Calculate protein requirements	5 (18,5%) Yes	745 (52,1%)

Every patient

Watchful waiting	5 (18,5%) Yes	700 (49,0%)
Discuss nutrition care activities during ward rounds	6 (22,2%) Yes	358 (25,0%)
Develop an individual nutrition care plan	3 (11,1%) Yes	250 (17,5%)
Initiate treatment / nutrition intervention	5 (18,5%) Yes	197 (13,8%)
Consult a nutrition expert (dietician, nutritionist, etc.)	4 (14,8%) Yes	264 (18,5%)
Consult a medical professional	9 (33,3%) Yes	307 (21,5%)
Calculate energy requirements	5 (18,5%) Yes	186 (13,0%)
Calculate protein requirements	5 (18,5%) Yes	168 (11,7%)

Never

Watchful waiting	8 (29,6%) Yes	105 (7,3%)
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Discuss nutrition care activities during ward rounds	7 (25,9%) Yes	77 (5,4%)
Develop an individual nutrition care plan	7 (25,9%) Yes	62 (4,3%)
Initiate treatment / nutrition intervention	8 (29,6%) Yes	19 (1,3%)
Consult a nutrition expert (dietician, nutritionist, etc.)	1 (3,7%) Yes	20 (1,4%)
Consult a medical professional	4 (14,8%) Yes	146 (10,2%)
Calculate energy requirements	10 (37,0%) Yes	141 (9,9%)
Calculate protein requirements	9 (33,3%) Yes	165 (11,5%)

I do not know

Watchful waiting	3 (11,1%) Yes	71 (5,0%)
Discuss nutrition care activities during ward rounds	2 (7,4%) Yes	54 (3,8%)
Develop an individual nutrition care plan	1 (3,7%) Yes	41 (2,9%)
Initiate treatment / nutrition intervention	1 (3,7%) Yes	34 (2,4%)
Consult a nutrition expert (dietician, nutritionist, etc.)	1 (3,7%) Yes	33 (2,3%)
Consult a medical professional	1 (3,7%) Yes	86 (6,0%)
Calculate energy requirements	-	65 (4,5%)
Calculate protein requirements	-	71 (5,0%)

13. When do you routinely weigh your patients?

at admission	22 (81,5%) Yes	928 (64,9%)
Within 24 hours	-	210 (14,7%)
Within 48 hours	-	79 (5,5%)
Within 72 hours	-	39 (2,7%)
Every week	1 (3,7%) Yes	627 (43,8%)
Occasionally	2 (7,4%) Yes	158 (11,0%)
When requested	4 (14,8%) Yes	728 (50,9%)
At discharge	-	67 (4,7%)
Never	3 (11,1%) Yes	17 (1,2%)
I do not know	-	6 (0,42%)
No answer given	3 (16,7%)	69 (4,8%)

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

Offer additional meals or in between snacks	14 (51,9%) Yes	1096 (76,6%)
Offer meal choices	2 (7,4%) Yes	1055 (73,8%)
Offer different portion sizes	3 (11,1%) Yes	934 (65,3%)
Consider food presentation	-	502 (35,1%)
Change food texture/consistency as needed	1 (3,7%) Yes	1175 (82,2%)
Consider patient problems with eating and drinking	13 (48,1%) Yes	1166 (81,5%)
Ensure that mealtimes are undisturbed/protected mealtime policy	3 (11,1%) Yes	324 (22,7%)
Promote positive eating environment	1 (3,7%) Yes	419 (29,3%)
Consider cultural/religious preferences	-	903 (63,1%)
Consider patient allergies / intolerances	14 (51,9%) Yes	1045 (73,1%)
Other	2 (7,4%) Yes	103 (7,2%)

I do not know	-	26 (1,8%)
No answer given	-	67 (4,7%)

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

Nutrition training is available	17 (63,0%)	Yes	821 (57,4%)
Reporting of nutrition related information to hospital managers	17 (63,0%)	Yes	608 (42,5%)
Quality indicators are recorded and reported to national or regional level	11 (40,7%)	Yes	448 (31,3%)
Quality indicators are used for internal benchmarking	12 (44,4%)	Yes	513 (35,9%)
Patient feedback about food and food service is collected using a questionnaire	14 (51,9%)	Yes	884 (61,8%)
None	3 (11,1%)	Yes	41 (2,9%)
I do not know	4 (14,8%)	Yes	61 (4,3%)
No answer given	1 (3,7%)		151 (10,6%)

16. At admission what is asked and documented?

Change in weight	19 (70,4%)	Yes	1104 (77,2%)
Eating habits/difficulties	11 (40,7%)	Yes	1041 (72,8%)
Nutrition before admission	9 (33,3%)	Yes	823 (57,6%)
None	1 (3,7%)	Yes	18 (1,3%)
I do not know	1 (3,7%)	Yes	33 (2,3%)
No answer given	1 (3,7%)		153 (10,7%)

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	15 (55,6%)	Yes	1037 (72,5%)
nutrition treatment	6 (22,2%)	Yes	837 (58,5%)
None	4 (14,8%)	Yes	65 (4,5%)
I do not know	2 (7,4%)	Yes	42 (2,9%)

b. Discharge Letter ...

summarizes nutrition treatment received during stay	4 (14,8%)	Yes	592 (41,4%)
makes future nutrition-related recommendations	9 (33,3%)	Yes	816 (57,1%)
None	8 (29,6%)	Yes	137 (9,6%)
I do not know	7 (25,9%)	Yes	128 (9,0%)

18. Do you provide brochures about malnutrition to at risk/malnourished patients?	8 (33,3%)	Yes	519 (45,2%)	Yes
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19. Who filled in this sheet?

Head staff	3 (11,1%)	Yes	411 (28,7%)
Dietician	9 (33,3%)	Yes	717 (50,1%)
Nurse	17 (63,0%)	Yes	388 (27,1%)

Physician	-	175 (12,2%)
Administrative staff	2 (7,4%) Yes	13 (0,91%)
Other	-	71 (5,0%)
None	-	-
I do not know	-	15 (1,0%)

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

	YOUR RESULTS	REFERENCE RESULTS
Total	439	27195
Age	54 [36-67]	67 [53-78]
Female	220 (50,1%)	13525 (49,7%)
Weight	68,5±16,8	69,9±18,9
Height	166±10	165±10
BMI	24,9±5,9	25,5±5,9

1. This hospital admission was...

planned	178 (40,5%)	9881 (36,3%)
an emergency	251 (57,2%)	14977 (55,1%)
I do not know	10 (2,3%)	2337 (8,6%)
No answer given	-	-

2a. Diagnosis at admission

0100 Infectious and parasitic diseases	62 (14,1%)	2442 (9,0%)
0200 Neoplasms	17 (3,9%)	4873 (17,9%)
0300 Blood and bloodforming organs and the immune mechanism	39 (8,9%)	1724 (6,3%)
0400 Endocrine, nutritional and metabolic diseases	22 (5,0%)	3266 (12,0%)
0500 Mental health	13 (3,0%)	1218 (4,5%)
0600 Nervous system	29 (6,6%)	2493 (9,2%)
0700 Eye and adnexa	15 (3,4%)	339 (1,2%)
0800 Ear and mastoid process	7 (1,6%)	172 (0,63%)
0900 Circulatory system	58 (13,2%)	5629 (20,7%)
1000 Respiratory system	69 (15,7%)	4217 (15,5%)
1100 Digestive system	105 (23,9%)	6840 (25,2%)
1200 Skin and subcutaneous tissue	26 (5,9%)	1244 (4,6%)
1300 Musculoskeletal system and connective tissue	62 (14,1%)	4246 (15,6%)
1400 Genitourinary system	42 (9,6%)	2809 (10,3%)
1500 Pregnancy, childbirth and the puerperium	36 (8,2%)	222 (0,82%)
1600 Conditions originating in the perinatal period	21 (4,8%)	36 (0,13%)
1700 Congenital/chromosomal abnormalities	1 (0,23%)	52 (0,19%)
1800 Symptoms, signs, abnormal clinical/lab findings	51 (11,6%)	1319 (4,9%)
1900 Injury, poisoning	66 (15,0%)	724 (2,7%)
2000 External causes of morbidity and mortality (e.g. transport accidents, assaults)	42 (9,6%)	671 (2,5%)
2100 Factors influencing health status and contact with health services	25 (5,7%)	990 (3,6%)
No answer given	-	-

3. Which conditions/comorbidities does this patient have?

Cardiac insufficiency	80 (19,1%)	5264 (21,3%)
Myocardial infarction	14 (3,4%)	1338 (5,5%)
Chronic lung disease	42 (10,0%)	3466 (14,1%)
Cerebral vascular disease	13 (3,1%)	2274 (9,3%)
Peripheral vascular disease	13 (3,1%)	2842 (11,6%)
Chronic liver disease	28 (6,7%)	1477 (6,1%)
Chronic kidney disease	43 (10,4%)	2817 (11,6%)
Diabetes	79 (19,1%)	5968 (24,2%)
Cancer	30 (7,2%)	5709 (23,2%)
Infection	41 (9,8%)	3578 (14,6%)
Dementia	10 (2,4%)	1229 (5,1%)
Major depressive disorder	6 (1,4%)	1233 (5,1%)
Other chronic mental disorder	14 (3,3%)	1229 (5,1%)
Other chronic disease	111 (26,5%)	6369 (25,9%)
None	140 (31,9%)	4869 (17,9%)

4a. Previous operation during this hospital stay

Yes, planned	116 (26,4%)	5304 (19,5%)
Yes, acute	53 (12,1%)	1634 (6,0%)
No	259 (59,0%)	17917 (65,9%)
I do not know	2 (0,46%)	313 (1,2%)
Missing	9 (2,1%)	2027 (7,5%)

Days since operation	2 [1-5]	3 [1-11]
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4b. Planned operation during this hospital stay

Yes, today or tomorrow	23 (5,2%)	1998 (7,3%)
Yes, later	49 (11,2%)	1411 (5,2%)
No	357 (81,3%)	19908 (73,2%)
I do not know	2 (0,46%)	1082 (4,0%)
Missing	8 (1,8%)	2796 (10,3%)

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

48 (11,0%) 2731 (10,6%)

6. Is this patient terminally ill?

25 (5,7%) 1729 (6,4%)

7. Fluid status

Normal	355 (80,9%)	20820 (76,6%)
Overloaded	7 (1,6%)	1466 (5,4%)
Dehydrated	24 (5,5%)	1298 (4,8%)
I do not know	53 (12,1%)	3611 (13,3%)
Missing	-	-

8. Number of different medications planned

Oral	3 [1-5]	5 [2-8]
Other	2 [1-4]	2 [1-4]

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

Malnourished	39 (8,9%)	3264 (12,0%)
At risk	69 (15,7%)	4856 (17,9%)
No	314 (71,5%)	16820 (61,8%)
I do not know	17 (3,9%)	2255 (8,3%)
Missing	-	-

10. IV Fluids

Electrolyte solution (NaCl, Ringers lactate, etc)	236 (53,8%)	9496 (34,9%)
5% Glucose solution	38 (8,7%)	2615 (9,6%)

11. Number of ONS drinks planned

0 [0-2]	0 [0-0]
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12. Nutrition intake

Regular hospital food	318 (72,4%)	15788 (58,1%)
Fortified/enriched hospital food	6 (1,4%)	3133 (11,5%)
Protein/energy supplement (e.g. ONS drinks)	19 (4,3%)	4012 (14,8%)
Enteral nutrition	5 (1,1%)	1315 (4,8%)
Parenteral nutrition	4 (0,91%)	1286 (4,7%)
Special diet	83 (18,9%)	8834 (32,5%)
None	30 (6,8%)	1283 (4,7%)

13a. All lines and Tubes

Central Venous	5 (1,1%)	2360 (9,2%)
Peripheral venous access	263 (60,0%)	12501 (48,7%)
Nasogastric	7 (1,6%)	680 (2,6%)
Nasojejunal	-	135 (0,53%)
Nasoduodenal	-	99 (0,39%)
Enterostoma	1 (0,23%)	126 (0,49%)
Percutaneous endoscopy/surgical gastrostomy	1 (0,23%)	234 (0,91%)
Percutaneous endoscopy/surgical jejunostomy	1 (0,23%)	95 (0,37%)
None	166 (37,8%)	12303 (45,2%)

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

Yes, previously	4 (0,91%)	362 (1,3%)
Yes, ongoing	2 (0,46%)	227 (0,83%)
No	402 (91,6%)	21227 (78,1%)
I do not know	10 (2,3%)	2312 (8,5%)
Missing	21 (4,8%)	3067 (11,3%)

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

Energy requirements were determined	49 (11,2%)	9593 (37,3%)
Protein requirements were determined	36 (8,2%)	8543 (33,3%)
Food/Nutrition intake was recorded in the patient record	71 (16,2%)	11079 (43,1%)
Nutrition treatment plan was developed	64 (14,6%)	9042 (35,2%)
Nutrition expert was consulted	51 (11,6%)	9313 (36,3%)
Malnutrition status is recorded in the patient record	69 (15,8%)	8238 (32,1%)
None	-	-

15a. Energy goal

< 500 kcal	19 (4,3%)	1046 (3,8%)
500-999 kcal	5 (1,1%)	269 (0,99%)
1000-1499 kcal	103 (23,5%)	2400 (8,8%)
1500-1999 kcal	198 (45,1%)	8218 (30,2%)
>=2000 kcal	85 (19,4%)	2704 (9,9%)
Not determined	27 (6,2%)	8749 (32,2%)
I do not know	1 (0,23%)	2265 (8,3%)
Missing	1 (0,23%)	1544 (5,7%)

15b. Energy intake

< 500 kcal	55 (12,5%)	1697 (6,2%)
500-999 kcal	70 (15,9%)	1257 (4,6%)
1000-1499 kcal	112 (25,5%)	3424 (12,6%)
1500-1999 kcal	123 (28,0%)	5999 (22,1%)
>=2000 kcal	50 (11,4%)	1448 (5,3%)
Not determined	26 (5,9%)	8533 (31,4%)
I do not know	2 (0,46%)	3276 (12,0%)
Missing	1 (0,23%)	1561 (5,7%)

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

Improved	307 (69,9%)	12837 (47,2%)
Deteriorated	32 (7,3%)	1433 (5,3%)
Remained the same	84 (19,1%)	7057 (25,9%)
This patient has just been admitted	8 (1,8%)	1699 (6,2%)
I do not know	7 (1,6%)	2663 (9,8%)
Missing	1 (0,23%)	1506 (5,5%)

Length of hospital stay (days)	13 [5-24]	12 [6-23]
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Outcome Code

1= Still in the hospital	18 (4,1%)	2601 (9,6%)
2= Transferred to another hospital	3 (0,68%)	571 (2,1%)
3= Transferred to long term care	-	1107 (4,1%)

4= Rehabilitation	7 (1,6%)	1222 (4,5%)
5= Discharged home	288 (65,6%)	20149 (74,1%)
6= Death	39 (8,9%)	845 (3,1%)
7= Others	36 (8,2%)	507 (1,9%)
Missing	48 (10,9%)	193 (0,71%)

Readmitted since ND

1= No	268 (79,5%)	18115 (75,8%)
2= Yes, same hospital planned	20 (5,9%)	1637 (6,9%)
3= Yes, same hospital unplanned	10 (3,0%)	1465 (6,1%)
4= Yes, different hospital planned	9 (2,7%)	112 (0,47%)
5= Yes, different hospital unplanned	9 (2,7%)	112 (0,47%)
6= Unknown	9 (2,7%)	796 (3,3%)
Missing	7 (2,1%)	1597 (6,7%)

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	344 (80,6%)	17526 (66,5%)
I am vegetarian	2 (0,47%)	510 (1,9%)
I adhere to a vegan diet	-	193 (0,73%)
I eat gluten-free diet	-	244 (0,93%)
I avoid added sugars	36 (8,4%)	3934 (14,9%)
I avoid carbohydrates	12 (2,8%)	1502 (5,7%)
I eat a low fat-diet	41 (9,6%)	2899 (11,0%)
I am lactose intolerant	8 (1,9%)	946 (3,6%)
Other special diet due to intolerances/allergies	7 (1,6%)	469 (1,8%)
Other	24 (5,6%)	1854 (7,0%)
No answer given	5 (1,2%)	1891 (7,2%)
2. Where did you live before your current hospital admission?		
At home	322 (75,4%)	22025 (83,6%)
In a nursing home or other live-in facility	7 (1,6%)	836 (3,2%)
I was transferred from another hospital	84 (19,7%)	1411 (5,4%)
Other	8 (1,9%)	374 (1,4%)
Missing	6 (1,4%)	1694 (6,4%)
3. In general, are you able to walk?		
Yes	248 (58,1%)	16014 (60,8%)
Yes, with someone's help	86 (20,1%)	2580 (9,8%)
Yes, independently using a cane, walker, or crutches	20 (4,7%)	3466 (13,2%)
No, I have a wheelchair	19 (4,4%)	1033 (3,9%)
No, I am bedridden	46 (10,8%)	1462 (5,6%)
Missing	8 (1,9%)	1785 (6,8%)
4. In general, how would you say your health is?		
Very good	42 (9,8%)	1854 (7,0%)
Good	206 (48,2%)	8966 (34,0%)
Fair	87 (20,4%)	9409 (35,7%)
Poor	69 (16,2%)	3513 (13,3%)
Very poor	15 (3,5%)	824 (3,1%)
Missing	8 (1,9%)	1774 (6,7%)
5. Over the last 12 months prior to your current hospital admission approximately...		
... how many times have you seen a doctor?	3 [1-8]	5 [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?	3 [0-8]	5 [0-15]
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6. How many different medications do you take routinely each day (prior to hospitalisation)?

1-2	94 (22,0%)	4936 (18,7%)
3-5	126 (29,5%)	6672 (25,3%)
More than 5	78 (18,3%)	7906 (30,0%)
None	90 (21,1%)	3926 (14,9%)
I do not know	28 (6,6%)	1077 (4,1%)
Missing	11 (2,6%)	1823 (6,9%)

7. Do you have health insurance?

Yes, private insurance only	36 (8,4%)	4253 (16,1%)
Yes, public insurance only	337 (78,9%)	12350 (46,9%)
Yes, both	3 (0,70%)	3229 (12,3%)
None	37 (8,7%)	2938 (11,2%)
I prefer not to answer	4 (0,94%)	1314 (5,0%)
Missing	10 (2,3%)	2256 (8,6%)

8. What was your weight 5 years ago?

	69 [60-80]	72 [60-85]
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I do not know	113 (26,5%)	6267 (23,8%)
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9a. Have you lost weight within the last 3 months?

Yes, intentionally	34 (8,0%)	2468 (9,4%)
Yes, unintentionally	148 (34,7%)	10065 (38,2%)
No, my weight stayed the same	115 (26,9%)	7869 (29,9%)
No, I gained weight	73 (17,1%)	2857 (10,8%)
I do not know	46 (10,8%)	2512 (9,5%)
Missing	11 (2,6%)	569 (2,2%)

9b. If yes, how many kg did you lose?

	6 [4-10]	6 [4-10]
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I do not know	25 (13,7%)	1997 (15,9%)
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10. Did you know about your hospitalisation two days before admission? (Yes)

	170 (41,1%)	9602 (40,6%)
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11. Please indicate if you ...

... were weighed at admission	164 (39,0%)	14112 (57,4%)
... were informed about your nutrition status	71 (16,9%)	8364 (34,3%)
... were informed about nutrition care options	70 (16,6%)	7769 (31,9%)
... received special nutrition care	52 (12,4%)	7463 (30,7%)

12. How well have you eaten in the week before you were admitted to the hospital?

More than normal	37 (8,7%)	1163 (4,4%)
Normal	235 (55,4%)	15832 (60,4%)

About 3/4 of normal	25 (5,9%)	2728 (10,4%)
About half of normal	53 (12,5%)	3287 (12,5%)
About a quarter to nearly nothing	58 (13,7%)	2496 (9,5%)
I do not know	9 (2,1%)	264 (1,0%)
Missing	7 (1,7%)	443 (1,7%)

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

Very satisfied	69 (16,3%)	6066 (23,1%)
Somewhat satisfied	94 (22,2%)	8166 (31,2%)
Neutral	107 (25,2%)	4867 (18,6%)
Dissatisfied	51 (12,0%)	2103 (8,0%)
Very dissatisfied	54 (12,7%)	726 (2,8%)
I do not know	41 (9,7%)	2021 (7,7%)
Missing	8 (1,9%)	2264 (8,6%)

14. Did you get any help with eating TODAY?

Yes, from family or friends	103 (24,3%)	2448 (9,3%)
Yes, from hospital staff	10 (2,4%)	1670 (6,4%)
No	291 (68,6%)	19193 (73,2%)
I do not know	7 (1,7%)	302 (1,2%)
Missing	13 (3,1%)	2600 (9,9%)

15. Were you able to eat without interruption TODAY? (Yes)	255 (62,2%)	17231 (74,2%)
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16a. Please indicate how much hospital food you ate for lunch or dinner TODAY:

About all	112 (26,4%)	12095 (46,1%)
1/2	120 (28,3%)	6486 (24,7%)
1/4	124 (29,2%)	3353 (12,8%)
Nothing	59 (13,9%)	3130 (11,9%)
Missing	9 (2,1%)	1149 (4,4%)

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

Standard	264 (62,3%)	15979 (61,0%)
Smaller	58 (13,7%)	2367 (9,0%)
Larger	44 (10,4%)	1119 (4,3%)
I do not know	34 (8,0%)	2429 (9,3%)
Missing	24 (5,7%)	4319 (16,5%)

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

I did not like the type of food offered	47 (15,5%)	2061 (15,9%)
I did not like the smell/taste of the food	58 (19,1%)	1569 (12,1%)
The food did not fit my cultural/religious preferences	2 (0,66%)	143 (1,1%)
The food was too hot	4 (1,3%)	59 (0,45%)

The food was too cold	13 (4,3%)	296 (2,3%)
Due to food allergy/intolerance	6 (2,0%)	96 (0,74%)
I was not hungry at that time	15 (5,0%)	2205 (17,0%)
I do not have my usual appetite	102 (33,7%)	3830 (29,5%)
I have problems chewing/swallowing	16 (5,3%)	761 (5,9%)
I normally eat less than what was served	25 (8,3%)	1427 (11,0%)
I had nausea/vomiting	32 (10,6%)	1029 (7,9%)
I was too tired	15 (5,0%)	789 (6,1%)
I cannot eat without help	11 (3,6%)	208 (1,6%)
I was not allowed to eat	42 (13,9%)	1289 (9,9%)
I had an exam, surgery, or test and missed my meal	10 (3,3%)	766 (5,9%)
I did not get requested food	5 (1,7%)	139 (1,1%)
No answer given	53 (17,5%)	1829 (14,1%)

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

Water	2 [1-4]	3 [2-5]
Tea	2 [1-3]	1 [0-2]
Coffee	0 [0-0]	1 [1-2]
Milk	1 [1-1]	1 [0-1]
Fruit juice	2 [1-3]	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? 152 (38,9%) 6580 (28,9%)

19b. If yes, what did you eat?

Sweet snacks	25 (16,4%)	1928 (29,3%)
Salty snacks	-	749 (11,4%)
Homemade food	80 (52,6%)	963 (14,6%)
Fruits	62 (40,8%)	2551 (38,8%)
Dairy products	4 (2,6%)	724 (11,0%)
Food delivered/restaurant	9 (5,9%)	293 (4,5%)
Sandwich	8 (5,3%)	421 (6,4%)
Other	34 (22,4%)	1042 (15,8%)

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

Increased	48 (11,3%)	3706 (14,1%)
Decreased	253 (59,7%)	7774 (29,7%)
Stayed the same	104 (24,5%)	10331 (39,4%)
I do not know	9 (2,1%)	1690 (6,4%)
Missing	10 (2,4%)	2712 (10,3%)

21. TODAY I feel...

Stronger than at admission	264 (62,3%)	11240 (42,9%)
Weaker than at admission	64 (15,1%)	4893 (18,7%)
Same as at admission	75 (17,7%)	7428 (28,3%)
I was admitted today	7 (1,7%)	662 (2,5%)
I do not know	7 (1,7%)	1384 (5,3%)
Missing	7 (1,7%)	606 (2,3%)

22. Can you walk without assistance TODAY?

Yes	254 (59,9%)	15438 (58,9%)
No, only with assistance	89 (21,0%)	6458 (24,6%)
No, I stay in bed	68 (16,0%)	3018 (11,5%)
Missing	13 (3,1%)	1299 (5,0%)

23. Did anyone help you complete this questionnaire?

367 (87,6%)	15731 (65,1%)
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