



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:	20
Number of participated units:	27
Number of patients:	242
Number of patients who gave consent:	239
Number of patients completing Sheet 3a:	235
Number of patients completing Sheet 3b:	232
Number of patients with 30-day outcome assessment:	193

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	573 [318-1194]	333 [194-630]
2. Total number of admissions in the hospital last year	86730 [24783-133060]	18005 [9101-36130]
3. Total number of staff in the hospital		
Total medical doctors	176 [96-371]	173 [80-399]
Medical specialists	29 [11-54]	116 [53-250]
Medical non-specialists	185 [96-311]	37 [14-84]
Nurses	354 [206-980]	420 [183-836]
Dieticians	0 [0-0]	5 [2-9]
Nutritionists	1 [0-1]	1 [0-4]
Pharmacists	16 [9-35]	7 [4-21]
Kitchen staff	10 [7-11]	31 [15-59]
Full time equivalent		
Total medical doctors	199 [111-215]	148 [60-373]
Medical specialists	19 [11-26]	98 [45-251]
Medical non-specialists	180 [101-190]	36 [11-99]
Nurses	365 [232-384]	364 [180-788]
Dieticians	0 [0-1]	5 [2-8]
Nutritionists	1 [1-2]	1 [0-3]
Pharmacists	6 [5-10]	6 [3-18]
Kitchen staff	10 [8-14]	29 [15-55]
4. Does the hospital have a nutrition care strategy?	11 (68,8%) Yes	498 (79,4%) Yes
5. Which nutrition-related standards or routine activities exist in your hospital?		
Nutrition training is available	13 (81,3%) Yes	434 (66,7%) Yes
Nutrition steering committee is available	1 (6,3%) Yes	388 (59,6%) Yes
Quality indicators are recorded and reported to national or regional level	1 (6,3%) Yes	263 (40,4%) Yes
Quality indicators are used for internal benchmarking	1 (6,3%) Yes	337 (51,8%) Yes
Patient feedback about food and food service is collected using a questionnaire	1 (6,3%) Yes	475 (73,0%) Yes
None	3 (18,8%) 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	9 (56,3%) Yes	313 (48,1%) Yes

Oral nutrition supplements	8 (50,0%) Yes	239 (36,7%) Yes
Parenteral nutrition	8 (50,0%) Yes	375 (57,6%) Yes
Enteral nutrition	7 (43,8%) Yes	334 (51,3%) Yes
Dietary counseling	7 (43,8%) Yes	235 (36,1%) Yes
Specific dietary interventions	7 (43,8%) Yes	181 (27,8%) Yes
Screening for malnutrition	6 (37,5%) Yes	187 (28,7%) Yes
Risk of malnutrition	6 (37,5%) Yes	160 (24,6%) Yes
Malnutrition (in general)	6 (37,5%) Yes	294 (45,2%) Yes
Severity of malnutrition (i.e. mild, moderate, severe)	7 (43,8%) Yes	280 (43,0%) Yes
No information available from billing/finance/controlling	6 (37,5%) Yes	109 (16,7%) Yes
No answer given	-	42 (6,5%)

Codes routinely used

Nutrition Support	7 (43,8%) Yes	270 (41,5%) Yes
Oral nutrition supplements	8 (50,0%) Yes	209 (32,1%) Yes
Parenteral nutrition	5 (31,3%) Yes	343 (52,7%) Yes
Enteral nutrition	7 (43,8%) Yes	307 (47,2%) Yes
Dietary counseling	8 (50,0%) Yes	198 (30,4%) Yes
Specific dietary interventions	7 (43,8%) Yes	159 (24,4%) Yes
Screening for malnutrition	6 (37,5%) Yes	149 (22,9%) Yes
Risk of malnutrition	6 (37,5%) Yes	128 (19,7%) Yes
Malnutrition (in general)	5 (31,3%) Yes	255 (39,2%) Yes
Severity of malnutrition (i.e. mild, moderate, severe)	5 (31,3%) Yes	242 (37,2%) Yes
No information available from billing/finance/controlling	6 (37,5%) 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	1 (3,7%)	21.1%
Internal Medicine / Cardiology	1 (3,7%)	4.3%
Internal Medicine / Gastroenterology & hepatology	0 (0,0%)	7.8%
Internal Medicine / Geriatrics	0 (0,0%)	9.7%
Internal Medicine / Infectious diseases	1 (3,7%)	0.6%
Internal Medicine / Nephrology	1 (3,7%)	1.2%
Internal Medicine / Oncology (incl. radiotherapy)	1 (3,7%)	8.1%
Interdisciplinary	0 (0,0%)	3.4%
Long term care	1 (3,7%)	2.0%
Neurology	0 (0,0%)	3.6%
Surgery / General	10 (37,0%)	15.7%
Surgery/ Cardiac/Vascular/Thoracic	0 (0,0%)	1.4%
Surgery / Neurosurgery	1 (3,7%)	0.9%
Surgery / Orthopedic	0 (0,0%)	4.2%
Trauma	0 (0,0%)	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 [10-35]	25 [19-32]
3. Total bed capacity of the unit	39 [26-53]	30 [24-40]
4. Number of each type of staff in the unit for TODAY's morning shift		
Fully trained		
Medical doctors	5 [3-9]	4 [2-7]
Nurses	8 [6-12]	5 [3-8]
Nursing aides	3 [2-6]	2 [1-4]
Dieticians	0 [0-1]	1 [0-1]
Nutritionists	0 [0-0]	0 [0-1]
Administrative staff	1 [0-1]	1 [0-1]
Other staff involved in patient care	1 [0-4]	1 [0-2]
In training		
Medical doctors	2 [1-4]	1 [0-3]
Medical students	6 [0-15]	0 [0-2]
Nurses	2 [0-6]	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 [0-1]	0 [0-0]

5. Is there a nutrition support team in your hospital available? 17 (89,5%) Yes 1018 (78,3%) Yes

6. Does the unit have a nutrition care strategy? 10 (52,6%) Yes 984 (75,7%) Yes

7. Is there a person in your unit responsible for nutrition care? 8 (42,1%) Yes 922 (70,9%) Yes

8. Is there a dietician, nutritionist or dietetic assistant available for your unit? 4 (20,0%) Yes 1239 (90,8%) Yes

9. Is specific staff responsible for providing feeding assistance to patients during meal times? 10 (52,6%) Yes 780 (60,0%) Yes

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

At admission

No routine screening	7 (25,9%) Yes	109 (7,6%)
No fixed criteria	1 (3,7%) Yes	21 (1,5%)
Experience / visual assessment only	2 (7,4%) Yes	102 (7,1%)
Weighing / BMI only	8 (29,6%) Yes	201 (14,1%)
Nutritional Risk Screening (NRS) 2002	1 (3,7%) Yes	462 (32,3%)
Malnutrition Universal Screening Tool (MUST)	1 (3,7%) Yes	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	7 (25,9%)	66 (4,6%)

During hospital stay

No routine monitoring	2 (7,4%) Yes	133 (9,3%)
No fixed criteria	1 (3,7%) Yes	118 (8,3%)
Experience / visual assessment only	4 (14,8%) Yes	235 (16,4%)
Weighing / BMI only	7 (25,9%) Yes	471 (32,9%)
Other formal tool	6 (22,2%) Yes	375 (26,2%)
I do not know	-	32 (2,2%)
Missing	7 (25,9%)	66 (4,6%)

11a. Do you routinely use guidelines or standards for nutrition care? 16 (84,2%) Yes 1043 (82,1%) Yes

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

International guidelines	9 (56,3%)	Yes	257 (24,6%)
National guidelines	2 (12,5%)	Yes	166 (15,9%)
Standards on hospital level	1 (6,3%)	Yes	378 (36,2%)
Standards on unit level	1 (6,3%)	Yes	65 (6,2%)
Individual patient nutrition care plans	3 (18,8%)	Yes	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	6 (22,2%)	Yes	399 (27,9%)
Discuss nutrition care activities during ward rounds	11 (40,7%)	Yes	614 (42,9%)
Develop an individual nutrition care plan	13 (48,1%)	Yes	720 (50,3%)
Initiate treatment / nutrition intervention	15 (55,6%)	Yes	820 (57,3%)
Consult a nutrition expert (dietician, nutritionist, etc.)	14 (51,9%)	Yes	828 (57,9%)
Consult a medical professional	12 (44,4%)	Yes	505 (35,3%)
Calculate energy requirements	14 (51,9%)	Yes	652 (45,6%)
Calculate protein requirements	14 (51,9%)	Yes	630 (44,1%)

Malnourished

Watchful waiting	4 (14,8%)	Yes	280 (19,6%)
Discuss nutrition care activities during ward rounds	14 (51,9%)	Yes	675 (47,2%)
Develop an individual nutrition care plan	17 (63,0%)	Yes	792 (55,4%)
Initiate treatment / nutrition intervention	19 (70,4%)	Yes	884 (61,8%)
Consult a nutrition expert (dietician, nutritionist, etc.)	16 (59,3%)	Yes	823 (57,6%)
Consult a medical professional	9 (33,3%)	Yes	579 (40,5%)
Calculate energy requirements	15 (55,6%)	Yes	763 (53,4%)
Calculate protein requirements	15 (55,6%)	Yes	745 (52,1%)

Every patient

Watchful waiting	10 (37,0%)	Yes	700 (49,0%)
Discuss nutrition care activities during ward rounds	2 (7,4%)	Yes	358 (25,0%)
Develop an individual nutrition care plan	1 (3,7%)	Yes	250 (17,5%)
Initiate treatment / nutrition intervention	-	-	197 (13,8%)
Consult a nutrition expert (dietician, nutritionist, etc.)	-	-	264 (18,5%)
Consult a medical professional	4 (14,8%)	Yes	307 (21,5%)
Calculate energy requirements	1 (3,7%)	Yes	186 (13,0%)
Calculate protein requirements	1 (3,7%)	Yes	168 (11,7%)

Never

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

I do not know

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

13. When do you routinely weigh your patients?

at admission	7 (25,9%) Yes	928 (64,9%)
Within 24 hours	1 (3,7%) Yes	210 (14,7%)
Within 48 hours	1 (3,7%) Yes	79 (5,5%)
Within 72 hours	-	39 (2,7%)
Every week	1 (3,7%) Yes	627 (43,8%)
Occasionally	3 (11,1%) Yes	158 (11,0%)
When requested	14 (51,9%) Yes	728 (50,9%)
At discharge	1 (3,7%) Yes	67 (4,7%)
Never	-	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	15 (55,6%) Yes	1096 (76,6%)
Offer meal choices	9 (33,3%) Yes	1055 (73,8%)
Offer different portion sizes	7 (25,9%) Yes	934 (65,3%)
Consider food presentation	2 (7,4%) Yes	502 (35,1%)
Change food texture/consistency as needed	8 (29,6%) Yes	1175 (82,2%)
Consider patient problems with eating and drinking	16 (59,3%) Yes	1166 (81,5%)
Ensure that mealtimes are undisturbed/protected mealtime policy	4 (14,8%) Yes	324 (22,7%)
Promote positive eating environment	4 (14,8%) Yes	419 (29,3%)
Consider cultural/religious preferences	4 (14,8%) Yes	903 (63,1%)
Consider patient allergies / intolerances	13 (48,1%) Yes	1045 (73,1%)
Other	1 (3,7%) Yes	103 (7,2%)

I do not know	-	26 (1,8%)
No answer given	7 (25,9%)	67 (4,7%)

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

Nutrition training is available	7 (25,9%) Yes	821 (57,4%)
Reporting of nutrition related information to hospital managers	6 (22,2%) Yes	608 (42,5%)
Quality indicators are recorded and reported to national or regional level	-	448 (31,3%)
Quality indicators are used for internal benchmarking	1 (3,7%) Yes	513 (35,9%)
Patient feedback about food and food service is collected using a questionnaire	2 (7,4%) Yes	884 (61,8%)
None	6 (22,2%) Yes	41 (2,9%)
I do not know	2 (7,4%) Yes	61 (4,3%)
No answer given	8 (29,6%)	151 (10,6%)

16. At admission what is asked and documented?

Change in weight	6 (22,2%) Yes	1104 (77,2%)
Eating habits/difficulties	7 (25,9%) Yes	1041 (72,8%)
Nutrition before admission	5 (18,5%) Yes	823 (57,6%)
None	8 (29,6%) Yes	18 (1,3%)
I do not know	1 (3,7%) Yes	33 (2,3%)
No answer given	8 (29,6%)	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	2 (7,4%) Yes	1037 (72,5%)
nutrition treatment	7 (25,9%) Yes	837 (58,5%)
None	9 (33,3%) Yes	65 (4,5%)
I do not know	2 (7,4%) Yes	42 (2,9%)

b. Discharge Letter ...

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

18. Do you provide brochures about malnutrition to at risk/malnourished patients?	7 (36,8%) Yes	519 (45,2%) Yes
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19. Who filled in this sheet?

Head staff	1 (3,7%) Yes	411 (28,7%)
Dietician	4 (14,8%) Yes	717 (50,1%)
Nurse	4 (14,8%) Yes	388 (27,1%)

Physician	3 (11,1%) Yes	175 (12,2%)
Administrative staff	1 (3,7%) Yes	13 (0,91%)
Other	9 (33,3%) Yes	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	239	27195
Age	53 [40-65]	67 [53-78]
Female	131 (54,8%)	13525 (49,7%)
Weight	57,6±14,4	69,9±18,9
Height	158±8	165±10
BMI	22,8±5,1	25,5±5,9

1. This hospital admission was...

planned	82 (34,3%)	9881 (36,3%)
an emergency	157 (65,7%)	14977 (55,1%)
I do not know	-	2337 (8,6%)
No answer given	-	-

2a. Diagnosis at admission

0100 Infectious and parasitic diseases	48 (20,1%)	2442 (9,0%)
0200 Neoplasms	30 (12,6%)	4873 (17,9%)
0300 Blood and bloodforming organs and the immune mechanism	14 (5,9%)	1724 (6,3%)
0400 Endocrine, nutritional and metabolic diseases	37 (15,5%)	3266 (12,0%)
0500 Mental health	1 (0,42%)	1218 (4,5%)
0600 Nervous system	24 (10,0%)	2493 (9,2%)
0700 Eye and adnexa	-	339 (1,2%)
0800 Ear and mastoid process	-	172 (0,63%)
0900 Circulatory system	24 (10,0%)	5629 (20,7%)
1000 Respiratory system	12 (5,0%)	4217 (15,5%)
1100 Digestive system	48 (20,1%)	6840 (25,2%)
1200 Skin and subcutaneous tissue	21 (8,8%)	1244 (4,6%)
1300 Musculoskeletal system and connective tissue	24 (10,0%)	4246 (15,6%)
1400 Genitourinary system	18 (7,5%)	2809 (10,3%)
1500 Pregnancy, childbirth and the puerperium	21 (8,8%)	222 (0,82%)
1600 Conditions originating in the perinatal period	-	36 (0,13%)
1700 Congenital/chromosomal abnormalities	-	52 (0,19%)
1800 Symptoms, signs, abnormal clinical/lab findings	7 (2,9%)	1319 (4,9%)
1900 Injury, poisoning	33 (13,8%)	724 (2,7%)
2000 External causes of morbidity and mortality (e.g. transport accidents, assaults)	10 (4,2%)	671 (2,5%)
2100 Factors influencing health status and contact with health services	1 (0,42%)	990 (3,6%)
No answer given	-	-

3. Which conditions/comorbidities does this patient have?

Cardiac insufficiency	23 (10,4%)	5264 (21,3%)
Myocardial infarction	21 (9,5%)	1338 (5,5%)
Chronic lung disease	18 (8,2%)	3466 (14,1%)
Cerebral vascular disease	13 (6,0%)	2274 (9,3%)
Peripheral vascular disease	7 (3,2%)	2842 (11,6%)
Chronic liver disease	16 (7,3%)	1477 (6,1%)
Chronic kidney disease	16 (7,5%)	2817 (11,6%)
Diabetes	87 (38,2%)	5968 (24,2%)
Cancer	28 (12,7%)	5709 (23,2%)
Infection	58 (25,3%)	3578 (14,6%)
Dementia	3 (1,4%)	1229 (5,1%)
Major depressive disorder	2 (0,90%)	1233 (5,1%)
Other chronic mental disorder	1 (0,45%)	1229 (5,1%)
Other chronic disease	26 (11,7%)	6369 (25,9%)
None	54 (22,6%)	4869 (17,9%)

4a. Previous operation during this hospital stay

Yes, planned	31 (13,0%)	5304 (19,5%)
Yes, acute	35 (14,6%)	1634 (6,0%)
No	159 (66,5%)	17917 (65,9%)
I do not know	3 (1,3%)	313 (1,2%)
Missing	11 (4,6%)	2027 (7,5%)

Days since operation	3 [2-7]	3 [1-11]
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4b. Planned operation during this hospital stay

Yes, today or tomorrow	9 (3,8%)	1998 (7,3%)
Yes, later	31 (13,0%)	1411 (5,2%)
No	163 (68,2%)	19908 (73,2%)
I do not know	14 (5,9%)	1082 (4,0%)
Missing	22 (9,2%)	2796 (10,3%)

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

20 (8,6%)	2731 (10,6%)
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6. Is this patient terminally ill?

14 (5,9%)	1729 (6,4%)
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7. Fluid status

Normal	187 (78,2%)	20820 (76,6%)
Overloaded	9 (3,8%)	1466 (5,4%)
Dehydrated	37 (15,5%)	1298 (4,8%)
I do not know	6 (2,5%)	3611 (13,3%)
Missing	-	-

8. Number of different medications planned

Oral	4 [3-6]	5 [2-8]
Other	2 [1-3]	2 [1-4]

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

Malnourished	48 (20,1%)	3264 (12,0%)
At risk	56 (23,4%)	4856 (17,9%)
No	132 (55,2%)	16820 (61,8%)
I do not know	3 (1,3%)	2255 (8,3%)
Missing	-	-

10. IV Fluids

Electrolyte solution (NaCl, Ringers lactate, etc)	94 (39,3%)	9496 (34,9%)
5% Glucose solution	10 (4,2%)	2615 (9,6%)

11. Number of ONS drinks planned

1 [0-2]	0 [0-0]
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12. Nutrition intake

Regular hospital food	116 (48,5%)	15788 (58,1%)
Fortified/enriched hospital food	89 (37,2%)	3133 (11,5%)
Protein/energy supplement (e.g. ONS drinks)	94 (39,3%)	4012 (14,8%)
Enteral nutrition	50 (20,9%)	1315 (4,8%)
Parenteral nutrition	12 (5,0%)	1286 (4,7%)
Special diet	98 (41,0%)	8834 (32,5%)
None	14 (5,9%)	1283 (4,7%)

13a. All lines and Tubes

Central Venous	8 (3,4%)	2360 (9,2%)
Peripheral venous access	132 (56,9%)	12501 (48,7%)
Nasogastric	32 (13,8%)	680 (2,6%)
Nasojejunal	2 (0,86%)	135 (0,53%)
Nasoduodenal	1 (0,43%)	99 (0,39%)
Enterostoma	-	126 (0,49%)
Percutaneous endoscopy/surgical gastrostomy	1 (0,43%)	234 (0,91%)
Percutaneous endoscopy/surgical jejunostomy	-	95 (0,37%)
None	94 (39,3%)	12303 (45,2%)

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

Yes, previously	5 (2,1%)	362 (1,3%)
Yes, ongoing	2 (0,84%)	227 (0,83%)
No	212 (88,7%)	21227 (78,1%)
I do not know	4 (1,7%)	2312 (8,5%)
Missing	16 (6,7%)	3067 (11,3%)

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

Energy requirements were determined	111 (47,8%)	9593 (37,3%)
Protein requirements were determined	114 (49,1%)	8543 (33,3%)
Food/Nutrition intake was recorded in the patient record	129 (55,6%)	11079 (43,1%)
Nutrition treatment plan was developed	117 (50,4%)	9042 (35,2%)
Nutrition expert was consulted	116 (50,0%)	9313 (36,3%)
Malnutrition status is recorded in the patient record	83 (35,8%)	8238 (32,1%)
None	-	-

15a. Energy goal

< 500 kcal	2 (0,84%)	1046 (3,8%)
500-999 kcal	3 (1,3%)	269 (0,99%)
1000-1499 kcal	56 (23,4%)	2400 (8,8%)
1500-1999 kcal	67 (28,0%)	8218 (30,2%)
>=2000 kcal	12 (5,0%)	2704 (9,9%)
Not determined	84 (35,1%)	8749 (32,2%)
I do not know	8 (3,3%)	2265 (8,3%)
Missing	7 (2,9%)	1544 (5,7%)

15b. Energy intake

< 500 kcal	9 (3,8%)	1697 (6,2%)
500-999 kcal	26 (10,9%)	1257 (4,6%)
1000-1499 kcal	73 (30,5%)	3424 (12,6%)
1500-1999 kcal	38 (15,9%)	5999 (22,1%)
>=2000 kcal	7 (2,9%)	1448 (5,3%)
Not determined	71 (29,7%)	8533 (31,4%)
I do not know	8 (3,3%)	3276 (12,0%)
Missing	7 (2,9%)	1561 (5,7%)

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

Improved	123 (51,5%)	12837 (47,2%)
Deteriorated	21 (8,8%)	1433 (5,3%)
Remained the same	78 (32,6%)	7057 (25,9%)
This patient has just been admitted	4 (1,7%)	1699 (6,2%)
I do not know	6 (2,5%)	2663 (9,8%)
Missing	7 (2,9%)	1506 (5,5%)

Length of hospital stay (days)	11 [6-32]	12 [6-23]
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Outcome Code

1= Still in the hospital	45 (18,8%)	2601 (9,6%)
2= Transferred to another hospital	5 (2,1%)	571 (2,1%)
3= Transferred to long term care	4 (1,7%)	1107 (4,1%)

4= Rehabilitation	7 (2,9%)	1222 (4,5%)
5= Discharged home	129 (54,0%)	20149 (74,1%)
6= Death	3 (1,3%)	845 (3,1%)
7= Others	-	507 (1,9%)
Missing	46 (19,2%)	193 (0,71%)

Readmitted since ND

1= No	89 (60,1%)	18115 (75,8%)
2= Yes, same hospital planned	11 (7,4%)	1637 (6,9%)
3= Yes, same hospital unplanned	6 (4,1%)	1465 (6,1%)
4= Yes, different hospital planned	1 (0,68%)	112 (0,47%)
5= Yes, different hospital unplanned	1 (0,68%)	112 (0,47%)
6= Unknown	2 (1,4%)	796 (3,3%)
Missing	39 (26,4%)	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	154 (65,5%)	17526 (66,5%)
I am vegetarian	10 (4,3%)	510 (1,9%)
I adhere to a vegan diet	2 (0,85%)	193 (0,73%)
I eat gluten-free diet	1 (0,43%)	244 (0,93%)
I avoid added sugars	47 (20,0%)	3934 (14,9%)
I avoid carbohydrates	8 (3,4%)	1502 (5,7%)
I eat a low fat-diet	23 (9,8%)	2899 (11,0%)
I am lactose intolerant	2 (0,85%)	946 (3,6%)
Other special diet due to intolerances/allergies	7 (3,0%)	469 (1,8%)
Other	10 (4,3%)	1854 (7,0%)
No answer given	22 (9,4%)	1891 (7,2%)
2. Where did you live before your current hospital admission?		
At home	208 (88,5%)	22025 (83,6%)
In a nursing home or other live-in facility	2 (0,85%)	836 (3,2%)
I was transferred from another hospital	12 (5,1%)	1411 (5,4%)
Other	6 (2,6%)	374 (1,4%)
Missing	7 (3,0%)	1694 (6,4%)
3. In general, are you able to walk?		
Yes	185 (78,7%)	16014 (60,8%)
Yes, with someone's help	24 (10,2%)	2580 (9,8%)
Yes, independently using a cane, walker, or crutches	4 (1,7%)	3466 (13,2%)
No, I have a wheelchair	8 (3,4%)	1033 (3,9%)
No, I am bedridden	4 (1,7%)	1462 (5,6%)
Missing	10 (4,3%)	1785 (6,8%)
4. In general, how would you say your health is?		
Very good	13 (5,5%)	1854 (7,0%)
Good	60 (25,5%)	8966 (34,0%)
Fair	78 (33,2%)	9409 (35,7%)
Poor	67 (28,5%)	3513 (13,3%)
Very poor	6 (2,6%)	824 (3,1%)
Missing	11 (4,7%)	1774 (6,7%)
5. Over the last 12 months prior to your current hospital admission approximately...		
... how many times have you seen a doctor?	4 [2-7]	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?	2 [0-7]	5 [0-15]
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6. How many different medications do you take routinely each day (prior to hospitalisation)?

1-2	45 (19,1%)	4936 (18,7%)
3-5	72 (30,6%)	6672 (25,3%)
More than 5	32 (13,6%)	7906 (30,0%)
None	75 (31,9%)	3926 (14,9%)
I do not know	3 (1,3%)	1077 (4,1%)
Missing	8 (3,4%)	1823 (6,9%)

7. Do you have health insurance?

Yes, private insurance only	8 (3,4%)	4253 (16,1%)
Yes, public insurance only	3 (1,3%)	12350 (46,9%)
Yes, both	-	3229 (12,3%)
None	210 (89,4%)	2938 (11,2%)
I prefer not to answer	-	1314 (5,0%)
Missing	14 (6,0%)	2256 (8,6%)

8. What was your weight 5 years ago?

	62 [55-70]	72 [60-85]
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I do not know	124 (52,8%)	6267 (23,8%)
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9a. Have you lost weight within the last 3 months?

Yes, intentionally	7 (3,0%)	2468 (9,4%)
Yes, unintentionally	71 (30,2%)	10065 (38,2%)
No, my weight stayed the same	57 (24,3%)	7869 (29,9%)
No, I gained weight	34 (14,5%)	2857 (10,8%)
I do not know	54 (23,0%)	2512 (9,5%)
Missing	12 (5,1%)	569 (2,2%)

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

	8 [4-10]	6 [4-10]
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I do not know	31 (39,7%)	1997 (15,9%)
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10. Did you know about your hospitalisation two days before admission? (Yes)

	80 (36,9%)	9602 (40,6%)
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11. Please indicate if you ...

... were weighed at admission	100 (44,1%)	14112 (57,4%)
... were informed about your nutrition status	68 (30,2%)	8364 (34,3%)
... were informed about nutrition care options	76 (33,8%)	7769 (31,9%)
... received special nutrition care	116 (51,6%)	7463 (30,7%)

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

More than normal	13 (5,6%)	1163 (4,4%)
Normal	132 (56,9%)	15832 (60,4%)

About 3/4 of normal	31 (13,4%)	2728 (10,4%)
About half of normal	38 (16,4%)	3287 (12,5%)
About a quarter to nearly nothing	14 (6,0%)	2496 (9,5%)
I do not know	3 (1,3%)	264 (1,0%)
Missing	1 (0,43%)	443 (1,7%)

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

Very satisfied	14 (6,0%)	6066 (23,1%)
Somewhat satisfied	70 (30,2%)	8166 (31,2%)
Neutral	66 (28,4%)	4867 (18,6%)
Dissatisfied	43 (18,5%)	2103 (8,0%)
Very dissatisfied	7 (3,0%)	726 (2,8%)
I do not know	22 (9,5%)	2021 (7,7%)
Missing	10 (4,3%)	2264 (8,6%)

14. Did you get any help with eating TODAY?

Yes, from family or friends	64 (27,6%)	2448 (9,3%)
Yes, from hospital staff	51 (22,0%)	1670 (6,4%)
No	102 (44,0%)	19193 (73,2%)
I do not know	-	302 (1,2%)
Missing	15 (6,5%)	2600 (9,9%)

15. Were you able to eat without interruption TODAY? (Yes)	146 (70,9%)	17231 (74,2%)
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16a. Please indicate how much hospital food you ate for lunch or dinner TODAY:

About all	71 (30,6%)	12095 (46,1%)
1/2	89 (38,4%)	6486 (24,7%)
1/4	43 (18,5%)	3353 (12,8%)
Nothing	20 (8,6%)	3130 (11,9%)
Missing	9 (3,9%)	1149 (4,4%)

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

Standard	63 (27,2%)	15979 (61,0%)
Smaller	30 (12,9%)	2367 (9,0%)
Larger	6 (2,6%)	1119 (4,3%)
I do not know	107 (46,1%)	2429 (9,3%)
Missing	26 (11,2%)	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	36 (23,7%)	2061 (15,9%)
I did not like the smell/taste of the food	25 (16,4%)	1569 (12,1%)
The food did not fit my cultural/religious preferences	1 (0,66%)	143 (1,1%)
The food was too hot	1 (0,66%)	59 (0,45%)

The food was too cold	10 (6,6%)	296 (2,3%)
Due to food allergy/intolerance	2 (1,3%)	96 (0,74%)
I was not hungry at that time	36 (23,7%)	2205 (17,0%)
I do not have my usual appetite	74 (48,7%)	3830 (29,5%)
I have problems chewing/swallowing	20 (13,2%)	761 (5,9%)
I normally eat less than what was served	9 (5,9%)	1427 (11,0%)
I had nausea/vomiting	24 (15,8%)	1029 (7,9%)
I was too tired	11 (7,2%)	789 (6,1%)
I cannot eat without help	9 (5,9%)	208 (1,6%)
I was not allowed to eat	5 (3,3%)	1289 (9,9%)
I had an exam, surgery, or test and missed my meal	7 (4,6%)	766 (5,9%)
I did not get requested food	10 (6,6%)	139 (1,1%)
No answer given	6 (3,9%)	1829 (14,1%)

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

Water	5 [3-6]	3 [2-5]
Tea	2 [1-2]	1 [0-2]
Coffee	0 [0-0]	1 [1-2]
Milk	2 [1-2]	1 [0-1]
Fruit juice	1 [1-2]	1 [0-2]
Soft drinks	0 [0-1]	0 [0-1]
Nutrition drink	2 [1-3]	0 [0-1]
Other	1 [0-2]	0 [0-1]

19a. Did you eat any food apart from hospital food TODAY? 138 (69,3%) 6580 (28,9%)

19b. If yes, what did you eat?

Sweet snacks	12 (8,7%)	1928 (29,3%)
Salty snacks	7 (5,1%)	749 (11,4%)
Homemade food	74 (53,6%)	963 (14,6%)
Fruits	77 (55,8%)	2551 (38,8%)
Dairy products	59 (42,8%)	724 (11,0%)
Food delivered/restaurant	13 (9,4%)	293 (4,5%)
Sandwich	2 (1,4%)	421 (6,4%)
Other	11 (8,0%)	1042 (15,8%)

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

Increased	37 (15,9%)	3706 (14,1%)
Decreased	106 (45,7%)	7774 (29,7%)
Stayed the same	61 (26,3%)	10331 (39,4%)
I do not know	12 (5,2%)	1690 (6,4%)
Missing	16 (6,9%)	2712 (10,3%)

21. TODAY I feel...

Stronger than at admission	81 (34,9%)	11240 (42,9%)
Weaker than at admission	38 (16,4%)	4893 (18,7%)
Same as at admission	86 (37,1%)	7428 (28,3%)
I was admitted today	8 (3,4%)	662 (2,5%)
I do not know	17 (7,3%)	1384 (5,3%)
Missing	2 (0,86%)	606 (2,3%)

22. Can you walk without assistance TODAY?

Yes	136 (58,6%)	15438 (58,9%)
No, only with assistance	62 (26,7%)	6458 (24,6%)
No, I stay in bed	28 (12,1%)	3018 (11,5%)
Missing	6 (2,6%)	1299 (5,0%)

23. Did anyone help you complete this questionnaire?	177 (79,4%)	15731 (65,1%)
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