



nutritionDay
WORLDWIDE

Country Report
nutritionDay 2023
Ethiopia

Dear participant,

Thank you for participating to nutritionDay worldwide in 2023. Your country report consists of the following sample size:

Number of participated center:	2
Number of participated units:	10
Number of patients:	126
Number of patients who gave consent:	126
Number of patients completing Sheet 3a:	124
Number of patients completing Sheet 3b:	124
Number of patients with 30-day outcome assessment:	105

This report compares your country data to the international reference database based on data from nutritionDay 2019-2022.

The report consists of 5 parts:

Part I reflects capacity and staffing of your hospitals.

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

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

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

Part V COVID-19

Participate again to next year's nutritionDay in November 2024! Repeated participation allows benchmarking and monitoring the nutrition care in your country. For more information visit www.nutritionDay.org or contact us at office@nutritionDay.org!

Best regards from the nutritionDay-Team!

Prof. Dr. Michael Hiesmayr

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

	YOUR RESULTS	REFERENCE RESULTS
1. Total number of beds in hospital	402 [353-451]	334 [166-596]
2. Total number of admissions in the hospital last year	4000 [4000-4000]	15756 [6943-30258]
3. Total number of staff in the hospital		
Total medical doctors	244 [244-244]	200 [83-461]
Medical specialists	110 [110-110]	129 [42-350]
Medical non-specialists	134 [134-134]	51 [15-151]
Nurses	255 [255-255]	410 [142-815]
Dieticians	1 [1-1]	2 [0-9]
Nutritionists	2 [2-2]	3 [1-8]
Pharmacists	34 [34-34]	7 [3-17]
Kitchen staff	10 [10-10]	28 [9-60]
Full time equivalent		
Total medical doctors	244 [244-244]	199 [71-382]
Medical specialists	110 [110-110]	134 [45-306]
Medical non-specialists	134 [134-134]	87 [19-175]
Nurses	255 [255-255]	394 [134-672]
Dieticians	1 [1-1]	2 [0-7]
Nutritionists	2 [2-2]	2 [1-5]
Pharmacists	34 [34-34]	6 [2-15]
Kitchen staff	10 [10-10]	24 [3-48]
4. Does the hospital have a nutrition care strategy?	-	101 (78.3%) Yes
5. Which nutrition-related standards or routine activities exist in your hospital?		
Nutrition training is available	-	82 (45.8%) Yes
Nutrition steering committee is available	1 (50.0%) Yes	61 (34.1%) Yes
Quality indicators are recorded and reported to national or regional level	1 (50.0%) Yes	42 (23.5%) Yes
Quality indicators are used for internal benchmarking	1 (50.0%) Yes	59 (33.0%) Yes
Patient feedback about food and food service is collected using a questionnaire	1 (50.0%) Yes	90 (50.3%) Yes
None	-	15 (8.4%) Yes
No answer given	1 (50.0%)	50 (27.9%)
6. Which codes are available /routinely used in your hospital for billing and reimbursement purposes?		

Codes available

Nutrition Support	-	74 (41.3%) Yes
Oral nutrition supplements	1 (50.0%) Yes	74 (41.3%) Yes
Parenteral nutrition	-	88 (49.2%) Yes
Enteral nutrition	1 (50.0%) Yes	88 (49.2%) Yes
Dietary counseling	-	58 (32.4%) Yes
Specific dietary interventions	-	51 (28.5%) Yes
Screening for malnutrition	-	53 (29.6%) Yes
Risk of malnutrition	-	47 (26.3%) Yes
Malnutrition (in general)	1 (50.0%) Yes	67 (37.4%) Yes
Severity of malnutrition (i.e. mild, moderate, severe)	1 (50.0%) Yes	58 (32.4%) Yes
No information available from billing/finance/controlling	-	19 (10.6%) Yes
No answer given	-	52 (7.9%)

Codes routinely used

Nutrition Support	-	69 (38.5%) Yes
Oral nutrition supplements	1 (50.0%) Yes	60 (33.5%) Yes
Parenteral nutrition	-	79 (44.1%) Yes
Enteral nutrition	1 (50.0%) Yes	76 (42.5%) Yes
Dietary counseling	-	45 (25.1%) Yes
Specific dietary interventions	-	45 (25.1%) Yes
Screening for malnutrition	-	42 (23.5%) Yes
Risk of malnutrition	-	36 (20.1%) Yes
Malnutrition (in general)	1 (50.0%) Yes	56 (31.3%) Yes
Severity of malnutrition (i.e. mild, moderate, severe)	1 (50.0%) Yes	54 (30.2%) Yes
No information available from billing/finance/controlling	-	23 (12.8%) Yes
No answer given	-	52 (7.9%)

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

	YOUR RESULTS	REFERENCE RESULTS
Internal Medicine / General	2 (20.0%)	20.4%
Internal Medicine / Cardiology	-	4.1%
Internal Medicine / Gastroenterology & hepatology	-	5.5%
Internal Medicine / Geriatrics	-	7.8%
Internal Medicine / Infectious diseases	-	0.7%
Internal Medicine / Nephrology	-	1.7%
Internal Medicine / Oncology (incl. radiotherapy)	-	8.3%
Interdisciplinary	-	4.0%
Long term care	-	2.3%
Neurology	-	2.6%
Surgery / General	2 (20.0%)	14.2%
Surgery/ Cardiac/Vascular/Thoracic	-	1.8%
Surgery / Neurosurgery	-	0.4%
Surgery / Orthopedic	-	3.9%
Trauma	-	0.5%
Ear Nose Throat (ENT)	1 (10.0%)	1.1%
Gynecology / Obstetrics	1 (10.0%)	2.1%
Pediatrics	1 (10.0%)	0.7%
Psychiatry	1 (10.0%)	1.0%
Others	2 (20.0%)	16.9%
2. Number of registered inpatients at noon	15 [14-24]	22 [17-30]
3. Total bed capacity of the unit	33 [18-53]	30 [24-41]
4. Number of each type of staff in the unit for TODAY's morning shift		
Fully trained		
Medical doctors	3 [2-3]	4 [2-6]
Nurses	11 [10-14]	4 [3-6]
Nursing aides	0 [0-0]	2 [1-4]
Dieticians	0 [0-0]	1 [0-1]
Nutritionists	1 [0-1]	1 [0-1]
Administrative staff	4 [2-6]	1 [1-2]
Other staff involved in patient care	1 [1-3]	1 [0-3]
In training		
Medical doctors	-	1 [0-3]
Medical students	3 [3-3]	0 [0-2]
Nurses	6 [6-6]	0 [0-2]

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

5. Is there a nutrition support team in your hospital available? 9 (90.0%) Yes 762 (81.5%) Yes

6. Does the unit have a nutrition care strategy? 6 (60.0%) Yes 717 (76.7%) Yes

7. Is there a person in your unit responsible for nutrition care? 6 (60.0%) Yes 674 (72.1%) Yes

8. Is there a dietician, nutritionist or dietetic assistant available for your unit? 7 (70.0%) Yes 1086 (91.8%) Yes

9. Is specific staff responsible for providing feeding assistance to patients during meal times? 4 (40.0%) Yes 508 (54.3%) Yes

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

At admission

No routine screening	1 (10.0%) Yes	119 (9.4%) Yes
No fixed criteria	-	25 (2.0%) Yes
Experience / visual assessment only	2 (20.0%) Yes	78 (6.2%) Yes
Weighing / BMI only	4 (40.0%) Yes	184 (14.5%) Yes
Nutritional Risk Screening (NRS) 2002	3 (30.0%) Yes	440 (34.7%) Yes
Malnutrition Universal Screening Tool (MUST)	-	85 (6.7%) Yes
Malnutrition Screening tool (MST)	-	91 (7.2%) Yes
SNAQ	-	8 (0.63%) Yes
Other formal tool	-	146 (11.5%) Yes
I do not know	-	7 (0.55%) Yes
Missing	-	85 (6.7%)

During hospital stay

No routine monitoring	-	124 (9.8%) Yes
No fixed criteria	-	103 (8.1%) Yes
Experience / visual assessment only	1 (10.0%) Yes	180 (14.2%) Yes
Weighing / BMI only	6 (60.0%) Yes	414 (32.6%) Yes
Other formal tool	3 (30.0%) Yes	340 (26.8%) Yes
I do not know	-	22 (1.7%) Yes
Missing	-	85 (6.7%)

11a. Do you routinely use guidelines or standards for nutrition care? 7 (70.0%) Yes 755 (83.3%) Yes

11b. If yes, which one is mainly used?		
International guidelines	-	303 (40.1%) Yes
National guidelines	-	63 (8.3%) Yes
Standards on hospital level	7 (100%) Yes	240 (31.8%) Yes
Standards on unit level	-	44 (5.8%) Yes
Individual patient nutrition care plans	-	87 (11.5%) Yes
Other	-	3 (0.40%) Yes
Missing	-	15 (2.0%)

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

At risk

Watchful waiting	1 (10.0%) Yes	284 (22.4%) Yes
Discuss nutrition care activities during ward rounds	4 (40.0%) Yes	462 (36.4%) Yes
Develop an individual nutrition care plan	2 (20.0%) Yes	493 (38.9%) Yes
Initiate treatment / nutrition intervention	3 (30.0%) Yes	555 (43.8%) Yes
Consult a nutrition expert (dietician, nutritionist, etc.)	3 (30.0%) Yes	519 (40.9%) Yes
Consult a medical professional	1 (10.0%) Yes	282 (22.2%) Yes
Calculate energy requirements	3 (30.0%) Yes	453 (35.7%) Yes
Calculate protein requirements	3 (30.0%) Yes	439 (34.6%) Yes

Malnourished

Watchful waiting	6 (60.0%) Yes	209 (16.5%) Yes
Discuss nutrition care activities during ward rounds	8 (80.0%) Yes	495 (39.0%) Yes
Develop an individual nutrition care plan	8 (80.0%) Yes	564 (44.5%) Yes
Initiate treatment / nutrition intervention	9 (90.0%) Yes	638 (50.3%) Yes
Consult a nutrition expert (dietician, nutritionist, etc.)	9 (90.0%) Yes	589 (46.5%) Yes
Consult a medical professional	9 (90.0%) Yes	392 (30.9%) Yes
Calculate energy requirements	9 (90.0%) Yes	564 (44.5%) Yes
Calculate protein requirements	9 (90.0%) Yes	541 (42.7%) Yes

Every patient

Watchful waiting	3 (30.0%) Yes	451 (35.6%) Yes
Discuss nutrition care activities during ward rounds	-	279 (22.0%) Yes
Develop an individual nutrition care plan	-	176 (13.9%) Yes
Initiate treatment / nutrition intervention	-	165 (13.0%) Yes
Consult a nutrition expert (dietician, nutritionist, etc.)	-	241 (19.0%) Yes
Consult a medical professional	-	309 (24.4%) Yes
Calculate energy requirements	-	144 (11.4%) Yes
Calculate protein requirements	-	141 (11.1%) Yes

Never

Watchful waiting	-	144 (11.4%) Yes
Discuss nutrition care activities during ward rounds	-	56 (4.4%) Yes
Develop an individual nutrition care plan	-	70 (5.5%) Yes
Initiate treatment / nutrition intervention	-	33 (2.6%) Yes
Consult a nutrition expert (dietician, nutritionist, etc.)	-	15 (1.2%) Yes
Consult a medical professional	-	111 (8.8%) Yes
Calculate energy requirements	-	99 (7.8%) Yes
Calculate protein requirements	-	112 (8.8%) Yes

I do not know

Watchful waiting	-	61 (4.8%) Yes
Discuss nutrition care activities during ward rounds	-	32 (2.5%) Yes
Develop an individual nutrition care plan	1 (10.0%) Yes	38 (3.0%) Yes
Initiate treatment / nutrition intervention	-	29 (2.3%) Yes
Consult a nutrition expert (dietician, nutritionist, etc.)	-	22 (1.7%) Yes
Consult a medical professional	-	62 (4.9%) Yes
Calculate energy requirements	-	45 (3.5%) Yes
Calculate protein requirements	-	50 (3.9%) Yes

13. When do you routinely weigh your patients?

at admission	7 (70.0%) Yes	727 (57.3%) Yes
Within 24 hours	2 (20.0%) Yes	142 (11.2%) Yes
Within 48 hours	-	102 (8.0%) Yes
Within 72 hours	-	33 (2.6%) Yes
Every week	-	450 (35.5%) Yes
Occasionally	2 (20.0%) Yes	149 (11.8%) Yes
When requested	6 (60.0%) Yes	655 (51.7%) Yes
At discharge	-	68 (5.4%) Yes
Never	-	11 (0.87%) Yes
I do not know	-	12 (0.95%) Yes
No answer given	-	85 (6.7%)

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

Offer additional meals or in between snacks	-	925 (72.9%) Yes
Offer meal choices	-	784 (61.8%) Yes
Offer different portion sizes	1 (10.0%) Yes	687 (54.2%) Yes
Consider food presentation	3 (30.0%) Yes	374 (29.5%) Yes
Change food texture/consistency as needed	1 (10.0%) Yes	971 (76.6%) Yes
Consider patient problems with eating and drinking	8 (80.0%) Yes	970 (76.5%) Yes
Ensure that mealtimes are undisturbed/protected mealtime policy	-	277 (21.8%) Yes
Promote positive eating environment	-	315 (24.8%) Yes
Consider cultural/religious preferences	3 (30.0%) Yes	833 (65.7%) Yes
Consider patient allergies / intolerances	4 (40.0%) Yes	995 (78.5%) Yes

Other	-	78 (6.2%) Yes
I do not know	-	25 (2.0%) Yes
No answer given	-	85 (6.7%)
15. Which nutrition-related standards or routine activities exist in your unit?		
Nutrition training is available	1 (10.0%) Yes	605 (47.7%) Yes
Reporting of nutrition related information to hospital managers	6 (60.0%) Yes	378 (29.8%) Yes
Quality indicators are recorded and reported to national or regional level	4 (40.0%) Yes	224 (17.7%) Yes
Quality indicators are used for internal benchmarking	5 (50.0%) Yes	325 (25.6%) Yes
Patient feedback about food and food service is collected using a questionnaire	7 (70.0%) Yes	557 (43.9%) Yes
None	-	57 (4.5%) Yes
I do not know	-	37 (2.9%) Yes
No answer given	1 (10.0%)	333 (26.3%)
16. At admission what is asked and documented?		
Change in weight	8 (80.0%) Yes	804 (63.4%) Yes
Eating habits/difficulties	6 (60.0%) Yes	686 (54.1%) Yes
Nutrition before admission	4 (40.0%) Yes	502 (39.6%) Yes
None	-	31 (2.4%) Yes
I do not know	-	42 (3.3%) Yes
No answer given	1 (10.0%)	333 (26.3%)
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	6 (60.0%) Yes	747 (58.9%) Yes
nutrition treatment	7 (70.0%) Yes	525 (41.4%) Yes
None	1 (10.0%) Yes	78 (6.2%) Yes
I do not know	-	31 (2.4%) Yes
b. Discharge Letter ...		
summarizes nutrition treatment received during stay	-	498 (39.3%) Yes
makes future nutrition-related recommendations	3 (30.0%) Yes	592 (46.7%) Yes
None	6 (60.0%) Yes	86 (6.8%) Yes
I do not know	-	82 (6.5%) Yes
18. Do you provide brochures about malnutrition to at risk/malnourished patients?	1 (14.3%) Yes	390 (45.0%) Yes
19. Who filled in this sheet?		
Head staff	4 (40.0%) Yes	276 (21.8%) Yes

Dietician	6 (60.0%) Yes	457 (36.0%) Yes
Nurse	1 (10.0%) Yes	234 (18.5%) Yes
Physician	1 (10.0%) Yes	109 (8.6%) Yes
Administrative staff	-	22 (1.7%) Yes
Other	-	95 (7.5%) Yes
None	-	10 (0.79%) Yes
I do not know	-	13 (1.0%) Yes

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

	YOUR RESULTS	REFERENCE RESULTS
Total	126	24925
Age	36 [29-53]	64 [47-77]
Female	69 (54.8%)	11998 (48.1%)
Weight	59.8±16.0	71.0±18.5
Height	164±8	166±10
BMI	22.3±5.9	25.8±5.9

1. This hospital admission was...

planned	68 (54.0%)	8482 (34.0%)
an emergency	58 (46.0%)	15200 (61.0%)
I do not know	-	1243 (5.0%)
No answer given	-	-

2a. Diagnosis at admission

0100 Infectious and parasitic diseases	13 (10.3%)	2684 (10.8%)
0200 Neoplasms	7 (5.6%)	4086 (16.4%)
0300 Blood and bloodforming organs and the immune mechanism	7 (5.6%)	1399 (5.6%)
0400 Endocrine, nutritional and metabolic diseases	19 (15.1%)	3091 (12.4%)
0500 Mental health	8 (6.3%)	915 (3.7%)
0600 Nervous system	5 (4.0%)	2295 (9.2%)
0700 Eye and adnexa	3 (2.4%)	196 (0.79%)
0800 Ear and mastoid process	9 (7.1%)	136 (0.55%)
0900 Circulatory system	8 (6.3%)	4794 (19.2%)
1000 Respiratory system	25 (19.8%)	3073 (12.3%)
1100 Digestive system	6 (4.8%)	5186 (20.8%)
1200 Skin and subcutaneous tissue	12 (9.5%)	1140 (4.6%)
1300 Musculoskeletal system and connective tissue	4 (3.2%)	4061 (16.3%)
1400 Genitourinary system	5 (4.0%)	2576 (10.3%)
1500 Pregnancy, childbirth and the puerperium	13 (10.3%)	659 (2.6%)
1600 Conditions originating in the perinatal period	-	33 (0.13%)
1700 Congenital/chromosomal abnormalities	-	60 (0.24%)
1800 Symptoms, signs, abnormal clinical/lab findings	8 (6.3%)	1481 (5.9%)
1900 Injury, poisoning	11 (8.7%)	821 (3.3%)
2000 External causes of morbidity and mortality (e.g. transport accidents, assaults)	5 (4.0%)	722 (2.9%)
2100 Factors influencing health status and contact with health services	3 (2.4%)	947 (3.8%)
No answer given	-	-

3. Which conditions/comorbidities does this patient have?

Cardiac insufficiency	8 (6.4%)	4157 (17.9%)
Myocardial infarction	-	1170 (5.1%)
Chronic lung disease	10 (8.0%)	2384 (10.3%)
Cerebral vascular disease	3 (2.4%)	1781 (7.7%)
Peripheral vascular disease	2 (1.6%)	2332 (10.1%)
Chronic liver disease	3 (2.4%)	1354 (5.9%)
Chronic kidney disease	1 (0.80%)	2949 (12.8%)
Diabetes	12 (9.6%)	5896 (25.3%)
Cancer	1 (0.81%)	4775 (20.7%)
Infection	31 (24.6%)	3183 (13.8%)
Dementia	-	888 (3.9%)
Major depressive disorder	4 (3.2%)	1000 (4.4%)
Other chronic mental disorder	5 (4.0%)	986 (4.3%)
Other chronic disease	11 (8.9%)	7288 (31.2%)
None	60 (47.6%)	5060 (20.3%)

4a. Previous operation during this hospital stay

Yes, planned	32 (25.4%)	4133 (16.6%)
Yes, acute	13 (10.3%)	1929 (7.7%)
No	78 (61.9%)	13886 (55.7%)
I do not know	-	164 (0.66%)
Missing	3 (2.4%)	4813 (19.3%)

Days since operation	5 [2-12]	4 [1-14]
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4b. Planned operation during this hospital stay

Yes, today or tomorrow	9 (7.1%)	2384 (9.6%)
Yes, later	28 (22.2%)	1452 (5.8%)
No	76 (60.3%)	15545 (62.4%)
I do not know	7 (5.6%)	333 (1.3%)
Missing	6 (4.8%)	5211 (20.9%)

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

6 (4.8%)	2361 (11.6%)
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6. Is this patient terminally ill?

16 (12.7%)	2137 (8.6%)
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7. Fluid status

Normal	108 (85.7%)	19805 (79.5%)
Overloaded	3 (2.4%)	975 (3.9%)
Dehydrated	11 (8.7%)	1471 (5.9%)
I do not know	4 (3.2%)	2674 (10.7%)
Missing	-	-

8. Number of different medications planned

Oral	2 [1-3]	4 [2-7]
Other	2 [1-3]	2 [1-4]

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

Malnourished	16 (12.7%)	3279 (13.2%)
At risk	16 (12.7%)	5283 (21.2%)
No	77 (61.1%)	14990 (60.1%)
I do not know	17 (13.5%)	1373 (5.5%)
Missing	-	-

10. IV Fluids

Electrolyte solution (NaCl, Ringers lactate, etc)	10 (7.9%)	8543 (34.3%)
5% Glucose solution	13 (10.3%)	1473 (5.9%)

11. Number of ONS drinks planned

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

Regular hospital food	68 (54.0%)	15627 (62.7%)
Fortified/enriched hospital food	2 (1.6%)	2936 (11.8%)
Protein/energy supplement (e.g. ONS drinks)	15 (11.9%)	4305 (17.3%)
Enteral nutrition	19 (15.1%)	1259 (5.1%)
Parenteral nutrition	2 (1.6%)	785 (3.1%)
Special diet	17 (13.5%)	6593 (26.5%)
None	43 (34.1%)	968 (3.9%)

13a. All lines and Tubes

Central Venous	1 (0.79%)	2145 (10.5%)
Peripheral venous access	33 (26.2%)	11975 (58.9%)
Nasogastric	6 (4.8%)	567 (2.8%)
Nasojejunal	-	101 (0.50%)
Nasoduodenal	-	40 (0.20%)
Enterostoma	-	77 (0.38%)
Percutaneous endoscopy/surgical gastrostomy	1 (0.79%)	271 (1.3%)
Percutaneous endoscopy/surgical jejunostomy	2 (1.6%)	63 (0.31%)
None	85 (67.5%)	11051 (44.3%)

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

Yes, previously	6 (4.8%)	282 (1.1%)
Yes, ongoing	4 (3.2%)	180 (0.72%)
No	104 (82.5%)	17744 (71.2%)
I do not know	2 (1.6%)	1404 (5.6%)
Missing	10 (7.9%)	5315 (21.3%)

14. Please indicate if any of the following was done for this patient since admission		
Energy requirements were determined	15 (11.9%)	7973 (39.2%)
Protein requirements were determined	18 (14.3%)	7515 (37.0%)
Food/Nutrition intake was recorded in the patient record	15 (11.9%)	9150 (45.0%)
Nutrition treatment plan was developed	22 (17.5%)	8137 (40.0%)
Nutrition expert was consulted	27 (21.4%)	8633 (42.5%)
Malnutrition status is recorded in the patient record	28 (22.2%)	7308 (35.9%)
None	-	-

15a. Energy goal		
< 500 kcal	-	445 (1.8%)
500-999 kcal	-	210 (0.84%)
1000-1499 kcal	2 (1.6%)	1767 (7.1%)
1500-1999 kcal	15 (11.9%)	6430 (25.8%)
>=2000 kcal	1 (0.79%)	3687 (14.8%)
Not determined	107 (84.9%)	6548 (26.3%)
I do not know	1 (0.79%)	1248 (5.0%)
Missing	-	4590 (18.4%)

15b. Energy intake		
< 500 kcal	-	1070 (4.3%)
500-999 kcal	1 (0.79%)	1366 (5.5%)
1000-1499 kcal	-	2751 (11.0%)
1500-1999 kcal	4 (3.2%)	4599 (18.5%)
>=2000 kcal	1 (0.79%)	2469 (9.9%)
Not determined	118 (93.7%)	6254 (25.1%)
I do not know	2 (1.6%)	1824 (7.3%)
Missing	-	4592 (18.4%)

16. Since admission, this patient's health status has...		
Improved	91 (72.2%)	11134 (44.7%)
Deteriorated	6 (4.8%)	1331 (5.3%)
Remained the same	24 (19.0%)	5023 (20.2%)
This patient has just been admitted	2 (1.6%)	1445 (5.8%)
I do not know	3 (2.4%)	1402 (5.6%)
Missing	-	4590 (18.4%)
Length of hospital stay (days)	16 [12-28]	13 [6-25]

Outcome Code		
1= Still in the hospital	21 (16.7%)	2848 (11.4%)
2= Transferred to another hospital	2 (1.6%)	526 (2.1%)

3= Transferred to long term care	1 (0.79%)	653 (2.6%)
4= Rehabilitation	-	606 (2.4%)
5= Discharged home	73 (57.9%)	18641 (74.8%)
6= Death	8 (6.3%)	956 (3.8%)
7= Others	-	536 (2.2%)
Missing	21 (16.7%)	159 (0.64%)

Readmitted since nutritionDay

1= No	39 (46.4%)	16520 (77.3%)
2= Yes, same hospital planned	-	1353 (6.3%)
3= Yes, same hospital unplanned	1 (1.2%)	1110 (5.2%)
4= Yes, different hospital planned	-	80 (0.37%)
5= Yes, different hospital unplanned	-	80 (0.37%)
6= Unknown	-	485 (2.3%)
Missing	44 (52.4%)	1675 (7.8%)

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

YOUR RESULTS REFERENCE RESULTS

	YOUR RESULTS	REFERENCE RESULTS
1. What are your typical dietary habits?		
No special dietary habits	95 (76.6%)	14107 (57.7%)
I am vegetarian	5 (4.0%)	445 (1.8%)
I adhere to a vegan diet	-	79 (0.32%)
I eat gluten-free diet	1 (0.81%)	210 (0.86%)
I avoid added sugars	14 (11.3%)	3287 (13.4%)
I avoid carbohydrates	7 (5.6%)	1220 (5.0%)
I eat a low fat-diet	14 (11.3%)	2101 (8.6%)
I am lactose intolerant	-	816 (3.3%)
Other special diet due to intolerances/allergies	3 (2.4%)	421 (1.7%)
Other	2 (1.6%)	1522 (6.2%)
No answer given	-	4719 (19.3%)
2. Where did you live before your current hospital admission?		
At home	87 (70.2%)	17544 (71.7%)
In a nursing home or other live-in facility	4 (3.2%)	469 (1.9%)
I was transferred from another hospital	32 (25.8%)	1456 (6.0%)
Other	1 (0.81%)	339 (1.4%)
Missing	-	4644 (19.0%)
3. In general, are you able to walk?		
Yes	87 (70.2%)	12349 (50.5%)
Yes, with someone's help	22 (17.7%)	2256 (9.2%)
Yes, independently using a cane, walker, or crutches	-	2560 (10.5%)
No, I have a wheelchair	3 (2.4%)	859 (3.5%)
No, I am bedridden	12 (9.7%)	1677 (6.9%)
Missing	-	4751 (19.4%)
4. In general, how would you say your health is?		
Very good	14 (11.3%)	1759 (7.2%)
Good	70 (56.5%)	7718 (31.6%)
Fair	28 (22.6%)	7368 (30.1%)
Poor	11 (8.9%)	2474 (10.1%)
Very poor	1 (0.81%)	414 (1.7%)
Missing	-	4719 (19.3%)
5. Over the last 12 months prior to your current hospital admission approximately...		
... how many times have you seen a doctor?	3 [2-5]	4 [2-8]
... how many times have you been admitted to the hospital (Emergency room, any ward)?	1 [1-2]	1 [0-2]

... how many nights in total have you spent in hospital?	7 [4-11]	4 [0-14]
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6. How many different medications do you take routinely each day (prior to hospitalisation)?

1-2	51 (41.1%)	4831 (19.8%)
3-5	37 (29.8%)	5143 (21.0%)
More than 5	10 (8.1%)	5425 (22.2%)
None	24 (19.4%)	3787 (15.5%)
I do not know	2 (1.6%)	617 (2.5%)
Missing	-	4649 (19.0%)

7. Do you have health insurance?

Yes, private insurance only	2 (1.6%)	3701 (15.1%)
Yes, public insurance only	45 (36.3%)	9777 (40.0%)
Yes, both	-	1908 (7.8%)
None	75 (60.5%)	3768 (15.4%)
I prefer not to answer	-	461 (1.9%)
Missing	2 (1.6%)	4837 (19.8%)

8. What was your weight 5 years ago?

	62 [55-70]	74 [63-85]
I do not know	60 (48.4%)	6168 (25.2%)

9a. Have you lost weight within the last 3 months?

Yes, intentionally	7 (5.6%)	1931 (7.9%)
Yes, unintentionally	43 (34.7%)	10653 (43.6%)
No, my weight stayed the same	22 (17.7%)	6738 (27.6%)
No, I gained weight	35 (28.2%)	2780 (11.4%)
I do not know	15 (12.1%)	2017 (8.2%)
Missing	2 (1.6%)	333 (1.4%)

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

	6 [3-10]	6 [4-10]
I do not know	22 (44.0%)	2421 (19.2%)

10. Did you know about your hospitalisation two days before admission? (Yes)

	51 (44.3%)	7367 (38.4%)
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11. Please indicate if you ...

... were weighed at admission	51 (41.5%)	10622 (53.6%)
... were informed about your nutrition status	39 (31.7%)	7345 (37.2%)
... were informed about nutrition care options	34 (27.9%)	6881 (34.9%)
... received special nutrition care	23 (18.9%)	6867 (34.9%)

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

More than normal	4 (3.2%)	1175 (4.8%)
Normal	70 (56.5%)	14950 (61.3%)

About 3/4 of normal	5 (4.0%)	2351 (9.6%)
About half of normal	19 (15.3%)	3047 (12.5%)
About a quarter to nearly nothing	24 (19.4%)	2386 (9.8%)
I do not know	2 (1.6%)	183 (0.75%)
Missing	-	308 (1.3%)

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

Very satisfied	5 (4.0%)	5545 (22.7%)
Somewhat satisfied	38 (30.6%)	6058 (24.8%)
Neutral	20 (16.1%)	4069 (16.7%)
Dissatisfied	22 (17.7%)	1669 (6.8%)
Very dissatisfied	6 (4.8%)	733 (3.0%)
I do not know	30 (24.2%)	1404 (5.8%)
Missing	3 (2.4%)	4922 (20.2%)

14. Did you get any help with eating TODAY?

Yes, from family or friends	65 (52.4%)	2402 (9.8%)
Yes, from hospital staff	5 (4.0%)	1324 (5.4%)
No	52 (41.9%)	15188 (62.2%)
I do not know	-	275 (1.1%)
Missing	2 (1.6%)	5211 (21.4%)

15. Were you able to eat without interruption TODAY? (Yes)

71 (58.7%) 13701 (72.2%)

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

About all	28 (22.6%)	11767 (48.2%)
1/2	29 (23.4%)	6068 (24.9%)
1/4	25 (20.2%)	3130 (12.8%)
Nothing	42 (33.9%)	2535 (10.4%)
Missing	-	900 (3.7%)

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

Standard	53 (42.7%)	13049 (53.5%)
Smaller	8 (6.5%)	1824 (7.5%)
Larger	-	960 (3.9%)
I do not know	54 (43.5%)	2121 (8.7%)
Missing	9 (7.3%)	6446 (26.4%)

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

I did not like the type of food offered	27 (28.1%)	1924 (16.4%)
I did not like the smell/taste of the food	9 (9.4%)	1359 (11.6%)
The food did not fit my cultural/religious preferences	-	103 (0.88%)
The food was too hot	-	29 (0.25%)

The food was too cold	1 (1.0%)	321 (2.7%)
Due to food allergy/intolerance	-	151 (1.3%)
I was not hungry at that time	10 (10.4%)	1600 (13.6%)
I do not have my usual appetite	25 (26.0%)	3509 (29.9%)
I have problems chewing/swallowing	12 (12.5%)	683 (5.8%)
I normally eat less than what was served	4 (4.2%)	1218 (10.4%)
I had nausea/vomiting	10 (10.4%)	971 (8.3%)
I was too tired	3 (3.1%)	511 (4.4%)
I cannot eat without help	1 (1.0%)	146 (1.2%)
I was not allowed to eat	-	980 (8.4%)
I had an exam, surgery, or test and missed my meal	5 (5.2%)	785 (6.7%)
I did not get requested food	4 (4.2%)	123 (1.0%)
No answer given	10 (10.4%)	2067 (17.6%)

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

Water	3 [2-4]	3 [2-6]
Tea	1 [1-1]	1 [0-2]
Coffee	1 [1-2]	1 [0-2]
Milk	1 [1-2]	0 [0-1]
Fruit juice	1 [1-2]	1 [0-2]
Soft drinks	1 [1-2]	0 [0-0]
Nutrition drink	1 [1-2]	0 [0-1]
Other	2 [1-4]	0 [0-0]

19a. Did you eat any food apart from hospital food TODAY? (Yes) 89 (75.4%) 4412 (23.9%)

19b. If yes, what did you eat?

Sweet snacks	10 (11.2%)	1125 (25.5%)
Salty snacks	-	609 (13.8%)
Homemade food	74 (83.1%)	943 (21.4%)
Fruits	21 (23.6%)	1520 (34.5%)
Dairy products	11 (12.4%)	516 (11.7%)
Food delivered/restaurant	5 (5.6%)	188 (4.3%)
Sandwich	-	265 (6.0%)
Other	2 (2.2%)	659 (14.9%)

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

Increased	38 (30.6%)	3392 (13.9%)
Decreased	43 (34.7%)	6798 (27.9%)
Stayed the same	38 (30.6%)	7810 (32.0%)
I do not know	4 (3.2%)	1112 (4.6%)
Missing	1 (0.81%)	5288 (21.7%)

21. TODAY I feel...

Stronger than at admission	92 (74.2%)	11712 (48.0%)
Weaker than at admission	18 (14.5%)	4322 (17.7%)
Same as at admission	14 (11.3%)	6423 (26.3%)
I was admitted today	-	740 (3.0%)
I do not know	-	917 (3.8%)
Missing	-	286 (1.2%)

22. Can you walk without assistance TODAY?

Yes	87 (70.2%)	13991 (57.3%)
No, only with assistance	25 (20.2%)	6345 (26.0%)
No, I stay in bed	12 (9.7%)	3449 (14.1%)
Missing	-	615 (2.5%)

23. Did anyone help you complete this questionnaire? (Yes)

	43 (34.7%)	14422 (73.8%)
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1. Are you COVID-19 positive TODAY?

Yes	-	565 (2.3%)
No	50 (39.7%)	19372 (77.7%)
I do not know	76 (60.3%)	2031 (8.1%)
Missing	-	2957 (11.9%)

2. Have you been tested COVID-19 positive in the last:

0-3 months	1 (0.79%)	1107 (4.4%)
3-6 months	2 (1.6%)	693 (2.8%)
6-12 months	4 (3.2%)	1353 (5.4%)
>1 year	18 (14.3%)	1899 (7.6%)
never	53 (42.1%)	9637 (38.7%)
I do not know	46 (36.5%)	3756 (15.1%)
Missing	2 (1.6%)	6480 (26.0%)

3. Have you been hospitalized during your COVID-19 infection?

Yes	9 (7.1%)	1348 (5.4%)
No	91 (72.2%)	16395 (65.8%)
I do not know	25 (19.8%)	2695 (10.8%)
Missing	1 (0.79%)	4487 (18.0%)