



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:	10
Number of participated units:	12
Number of patients:	266
Number of patients who gave consent:	242
Number of patients completing Sheet 3a:	240
Number of patients completing Sheet 3b:	240
Number of cancer patients:	79
Number of patients completing Sheet 2_onco:	49
Number of patients completing Sheet 3_onco:	49
Number of patients with 30-day outcome assessment:	194

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

The report consists of 5 parts:

Part I reflects capacity and staffing of your hospital.

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.

Part V is your oncology Report.

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 basis.

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	335 [93-1104]	333 [194-630]
2. Total number of admissions in the hospital last year	15835 [6983-47801]	18005 [9101-36130]
3. Total number of staff in the hospital		
Total medical doctors	330 [158-884]	173 [80-399]
Medical specialists	433 [297-691]	116 [53-250]
Medical non-specialists	320 [320-320]	37 [14-84]
Nurses	488 [195-1244]	420 [183-836]
Dieticians	0 [0-1]	5 [2-9]
Nutritionists	1 [1-2]	1 [0-4]
Pharmacists	8 [5-31]	7 [4-21]
Kitchen staff	22 [10-83]	31 [15-59]
Full time equivalent		
Total medical doctors	342 [46-845]	148 [60-373]
Medical specialists	433 [388-479]	98 [45-251]
Medical non-specialists	-	36 [11-99]
Nurses	90 [55-306]	364 [180-788]
Dieticians	0 [0-1]	5 [2-8]
Nutritionists	1 [1-1]	1 [0-3]
Pharmacists	20 [2-38]	6 [3-18]
Kitchen staff	32 [9-100]	29 [15-55]
4. Does the hospital have a nutrition care strategy?	6 (75,0%) Yes	498 (79,4%) Yes
5. Which nutrition-related standards or routine activities exist in your hospital?		
Nutrition training is available	8 (80,0%) Yes	434 (66,7%) Yes
Nutrition steering committee is available	4 (40,0%) Yes	388 (59,6%) Yes
Quality indicators are recorded and reported to national or regional level	2 (20,0%) Yes	263 (40,4%) Yes
Quality indicators are used for internal benchmarking	2 (20,0%) Yes	337 (51,8%) Yes
Patient feedback about food and food service is collected using a questionnaire	6 (60,0%) Yes	475 (73,0%) Yes
None	0 (0,0%) Yes	30 (4,6%) Yes
No answer given	2 (20,0%)	24 (3,7%)
6. Which codes are available /routinely used in your hospital for billing and reimbursement purposes?		
Codes available		
Nutrition Support	7 (70,0%) Yes	313 (48,1%) Yes

Oral nutrition supplements	5 (50,0%) Yes	239 (36,7%) Yes
Parenteral nutrition	7 (70,0%) Yes	375 (57,6%) Yes
Enteral nutrition	8 (80,0%) Yes	334 (51,3%) Yes
Dietary counseling	3 (30,0%) Yes	235 (36,1%) Yes
Specific dietary interventions	2 (20,0%) Yes	181 (27,8%) Yes
Screening for malnutrition	3 (30,0%) Yes	187 (28,7%) Yes
Risk of malnutrition	2 (20,0%) Yes	160 (24,6%) Yes
Malnutrition (in general)	6 (60,0%) Yes	294 (45,2%) Yes
Severity of malnutrition (i.e. mild, moderate, severe)	5 (50,0%) 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	6 (60,0%) Yes	270 (41,5%) Yes
Oral nutrition supplements	4 (40,0%) Yes	209 (32,1%) Yes
Parenteral nutrition	7 (70,0%) Yes	343 (52,7%) Yes
Enteral nutrition	7 (70,0%) Yes	307 (47,2%) Yes
Dietary counseling	3 (30,0%) Yes	198 (30,4%) Yes
Specific dietary interventions	2 (20,0%) Yes	159 (24,4%) Yes
Screening for malnutrition	2 (20,0%) Yes	149 (22,9%) Yes
Risk of malnutrition	1 (10,0%) Yes	128 (19,7%) Yes
Malnutrition (in general)	5 (50,0%) Yes	255 (39,2%) Yes
Severity of malnutrition (i.e. mild, moderate, severe)	2 (20,0%) Yes	242 (37,2%) Yes
No information available from billing/finance/controlling	0 (0,0%) 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	3 (25,0%)	21.1%
Internal Medicine / Cardiology	1 (8,3%)	4.3%
Internal Medicine / Gastroenterology & hepatology	0 (0,0%)	7.8%
Internal Medicine / Geriatrics	0 (0,0%)	9.7%
Internal Medicine / Infectious diseases	0 (0,0%)	0.6%
Internal Medicine / Nephrology	0 (0,0%)	1.2%
Internal Medicine / Oncology (incl. radiotherapy)	2 (16,7%)	8.1%
Interdisciplinary	1 (8,3%)	3.4%
Long term care	1 (8,3%)	2.0%
Neurology	0 (0,0%)	3.6%
Surgery / General	0 (0,0%)	15.7%
Surgery/ Cardiac/Vascular/Thoracic	0 (0,0%)	1.4%
Surgery / Neurosurgery	0 (0,0%)	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	0 (0,0%)	1.4%
Pediatrics	0 (0,0%)	0.1%
Psychiatry	0 (0,0%)	0.9%
Others	4 (33,3%)	11.1%
2. Number of registered inpatients at noon	23 [20-32]	25 [19-32]
3. Total bed capacity of the unit	28 [26-38]	30 [24-40]
4. Number of each type of staff in the unit for TODAY's morning shift		
Fully trained		
Medical doctors	5 [3-8]	4 [2-7]
Nurses	4 [2-5]	5 [3-8]
Nursing aides	3 [3-4]	2 [1-4]
Dieticians	0 [0-1]	1 [0-1]
Nutritionists	0 [0-0]	0 [0-1]
Administrative staff	1 [1-2]	1 [0-1]
Other staff involved in patient care	1 [1-2]	1 [0-2]
In training		
Medical doctors	3 [2-4]	1 [0-3]
Medical students	1 [1-1]	0 [0-2]
Nurses	3 [2-5]	1 [0-3]

Nursing aides	3 [2-4]	0 [0-0]
Dieticians	0 [0-0]	0 [0-0]
Nutritionists	0 [0-1]	0 [0-0]
Other staff involved in patient care	-	0 [0-0]

5. Is there a nutrition support team in your hospital available? 7 (77,8%) Yes 1018 (78,3%) Yes

6. Does the unit have a nutrition care strategy? 7 (77,8%) Yes 984 (75,7%) Yes

7. Is there a person in your unit responsible for nutrition care? 4 (44,4%) Yes 922 (70,9%) Yes

8. Is there a dietician, nutritionist or dietetic assistant available for your unit? 6 (54,5%) Yes 1239 (90,8%) Yes

9. Is specific staff responsible for providing feeding assistance to patients during meal times? 4 (44,4%) Yes 780 (60,0%) Yes

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

At admission

No routine screening	4 (33,3%) Yes	109 (7,6%)
No fixed criteria	-	21 (1,5%)
Experience / visual assessment only	-	102 (7,1%)
Weighing / BMI only	3 (25,0%) Yes	201 (14,1%)
Nutritional Risk Screening (NRS) 2002	2 (16,7%) Yes	462 (32,3%)
Malnutrition Universal Screening Tool (MUST)	1 (8,3%) Yes	81 (5,7%)
Malnutrition Screening tool (MST)	-	115 (8,0%)
SNAQ	-	13 (0,91%)
Other formal tool	1 (8,3%) Yes	249 (17,4%)
I do not know	-	11 (0,77%)
Missing	1 (8,3%)	66 (4,6%)

During hospital stay

No routine monitoring	5 (41,7%) Yes	133 (9,3%)
No fixed criteria	-	118 (8,3%)
Experience / visual assessment only	2 (16,7%) Yes	235 (16,4%)
Weighing / BMI only	3 (25,0%) Yes	471 (32,9%)
Other formal tool	1 (8,3%) Yes	375 (26,2%)
I do not know	-	32 (2,2%)
Missing	1 (8,3%)	66 (4,6%)

11a. Do you routinely use guidelines or standards for nutrition care? 6 (66,7%) Yes 1043 (82,1%) Yes

11b. If yes, which one is mainly used?		
International guidelines	2 (33,3%) Yes	257 (24,6%)
National guidelines	1 (16,7%) Yes	166 (15,9%)
Standards on hospital level	3 (50,0%) Yes	378 (36,2%)
Standards on unit level	-	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	1 (8,3%) Yes	399 (27,9%)
Discuss nutrition care activities during ward rounds	4 (33,3%) Yes	614 (42,9%)
Develop an individual nutrition care plan	5 (41,7%) Yes	720 (50,3%)
Initiate treatment / nutrition intervention	4 (33,3%) Yes	820 (57,3%)
Consult a nutrition expert (dietician, nutritionist, etc.)	4 (33,3%) Yes	828 (57,9%)
Consult a medical professional	3 (25,0%) Yes	505 (35,3%)
Calculate energy requirements	5 (41,7%) Yes	652 (45,6%)
Calculate protein requirements	6 (50,0%) Yes	630 (44,1%)

Malnourished

Watchful waiting	1 (8,3%) Yes	280 (19,6%)
Discuss nutrition care activities during ward rounds	4 (33,3%) Yes	675 (47,2%)
Develop an individual nutrition care plan	5 (41,7%) Yes	792 (55,4%)
Initiate treatment / nutrition intervention	6 (50,0%) Yes	884 (61,8%)
Consult a nutrition expert (dietician, nutritionist, etc.)	6 (50,0%) Yes	823 (57,6%)
Consult a medical professional	2 (16,7%) Yes	579 (40,5%)
Calculate energy requirements	3 (25,0%) Yes	763 (53,4%)
Calculate protein requirements	3 (25,0%) Yes	745 (52,1%)

Every patient

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

Never

Watchful waiting	1 (8,3%) Yes	105 (7,3%)
------------------	--------------	------------

Discuss nutrition care activities during ward rounds	2 (16,7%) Yes	77 (5,4%)
Develop an individual nutrition care plan	2 (16,7%) Yes	62 (4,3%)
Initiate treatment / nutrition intervention	2 (16,7%) Yes	19 (1,3%)
Consult a nutrition expert (dietician, nutritionist, etc.)	2 (16,7%) Yes	20 (1,4%)
Consult a medical professional	3 (25,0%) Yes	146 (10,2%)
Calculate energy requirements	4 (33,3%) Yes	141 (9,9%)
Calculate protein requirements	3 (25,0%) Yes	165 (11,5%)

I do not know

Watchful waiting	2 (16,7%) Yes	71 (5,0%)
Discuss nutrition care activities during ward rounds	1 (8,3%) Yes	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.)	-	33 (2,3%)
Consult a medical professional	1 (8,3%) 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	6 (50,0%) Yes	928 (64,9%)
Within 24 hours	2 (16,7%) Yes	210 (14,7%)
Within 48 hours	-	79 (5,5%)
Within 72 hours	-	39 (2,7%)
Every week	3 (25,0%) Yes	627 (43,8%)
Occasionally	5 (41,7%) Yes	158 (11,0%)
When requested	7 (58,3%) Yes	728 (50,9%)
At discharge	-	67 (4,7%)
Never	-	17 (1,2%)
I do not know	1 (8,3%) Yes	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	6 (50,0%) Yes	1096 (76,6%)
Offer meal choices	5 (41,7%) Yes	1055 (73,8%)
Offer different portion sizes	1 (8,3%) Yes	934 (65,3%)
Consider food presentation	1 (8,3%) Yes	502 (35,1%)
Change food texture/consistency as needed	10 (83,3%) Yes	1175 (82,2%)
Consider patient problems with eating and drinking	11 (91,7%) Yes	1166 (81,5%)
Ensure that mealtimes are undisturbed/protected mealtime policy	-	324 (22,7%)
Promote positive eating environment	-	419 (29,3%)
Consider cultural/religious preferences	9 (75,0%) Yes	903 (63,1%)
Consider patient allergies / intolerances	11 (91,7%) Yes	1045 (73,1%)
Other	-	103 (7,2%)

I do not know	-	26 (1,8%)
No answer given	1 (8,3%)	67 (4,7%)

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

Nutrition training is available	4 (33,3%) Yes	821 (57,4%)
Reporting of nutrition related information to hospital managers	4 (33,3%) Yes	608 (42,5%)
Quality indicators are recorded and reported to national or regional level	2 (16,7%) Yes	448 (31,3%)
Quality indicators are used for internal benchmarking	2 (16,7%) Yes	513 (35,9%)
Patient feedback about food and food service is collected using a questionnaire	4 (33,3%) Yes	884 (61,8%)
None	2 (16,7%) Yes	41 (2,9%)
I do not know	-	61 (4,3%)
No answer given	3 (25,0%)	151 (10,6%)

16. At admission what is asked and documented?

Change in weight	6 (50,0%) Yes	1104 (77,2%)
Eating habits/difficulties	6 (50,0%) Yes	1041 (72,8%)
Nutrition before admission	3 (25,0%) Yes	823 (57,6%)
None	-	18 (1,3%)
I do not know	1 (8,3%) Yes	33 (2,3%)
No answer given	3 (25,0%)	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	6 (50,0%) Yes	1037 (72,5%)
nutrition treatment	2 (16,7%) Yes	837 (58,5%)
None	2 (16,7%) Yes	65 (4,5%)
I do not know	-	42 (2,9%)

b. Discharge Letter ...

summarizes nutrition treatment received during stay	5 (41,7%) Yes	592 (41,4%)
makes future nutrition-related recommendations	3 (25,0%) Yes	816 (57,1%)
None	3 (25,0%) Yes	137 (9,6%)
I do not know	-	128 (9,0%)

18. Do you provide brochures about malnutrition to at risk/malnourished patients?	3 (33,3%) Yes	519 (45,2%) Yes
--	---------------	-----------------

19. Who filled in this sheet?

Head staff	-	411 (28,7%)
Dietician	2 (16,7%) Yes	717 (50,1%)
Nurse	5 (41,7%) Yes	388 (27,1%)

Physician	3 (25,0%) Yes	175 (12,2%)
Administrative staff	-	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	242	27195
Age	73 [59-81]	67 [53-78]
Female	104 (43,0%)	13525 (49,7%)
Weight	69,8±15,2	69,9±18,9
Height	164±9	165±10
BMI	26,0±5,6	25,5±5,9

1. This hospital admission was...

planned	71 (29,3%)	9881 (36,3%)
an emergency	171 (70,7%)	14977 (55,1%)
I do not know	-	2337 (8,6%)
No answer given	-	-

2a. Diagnosis at admission

0100 Infectious and parasitic diseases	66 (27,3%)	2442 (9,0%)
0200 Neoplasms	49 (20,2%)	4873 (17,9%)
0300 Blood and bloodforming organs and the immune mechanism	30 (12,4%)	1724 (6,3%)
0400 Endocrine, nutritional and metabolic diseases	20 (8,3%)	3266 (12,0%)
0500 Mental health	9 (3,7%)	1218 (4,5%)
0600 Nervous system	40 (16,5%)	2493 (9,2%)
0700 Eye and adnexa	7 (2,9%)	339 (1,2%)
0800 Ear and mastoid process	1 (0,41%)	172 (0,63%)
0900 Circulatory system	55 (22,7%)	5629 (20,7%)
1000 Respiratory system	85 (35,1%)	4217 (15,5%)
1100 Digestive system	20 (8,3%)	6840 (25,2%)
1200 Skin and subcutaneous tissue	8 (3,3%)	1244 (4,6%)
1300 Musculoskeletal system and connective tissue	30 (12,4%)	4246 (15,6%)
1400 Genitourinary system	19 (7,9%)	2809 (10,3%)
1500 Pregnancy, childbirth and the puerperium	1 (0,41%)	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	32 (13,2%)	1319 (4,9%)
1900 Injury, poisoning	1 (0,41%)	724 (2,7%)
2000 External causes of morbidity and mortality (e.g. transport accidents, assaults)	12 (5,0%)	671 (2,5%)
2100 Factors influencing health status and contact with health services	4 (1,7%)	990 (3,6%)
No answer given	-	-

3. Which conditions/comorbidities does this patient have?

Cardiac insufficiency	52 (22,9%)	5264 (21,3%)
Myocardial infarction	19 (8,6%)	1338 (5,5%)
Chronic lung disease	80 (35,1%)	3466 (14,1%)
Cerebral vascular disease	29 (13,2%)	2274 (9,3%)
Peripheral vascular disease	34 (15,2%)	2842 (11,6%)
Chronic liver disease	13 (5,8%)	1477 (6,1%)
Chronic kidney disease	30 (13,9%)	2817 (11,6%)
Diabetes	65 (28,9%)	5968 (24,2%)
Cancer	79 (35,1%)	5709 (23,2%)
Infection	51 (23,0%)	3578 (14,6%)
Dementia	16 (7,3%)	1229 (5,1%)
Major depressive disorder	20 (9,0%)	1233 (5,1%)
Other chronic mental disorder	15 (6,7%)	1229 (5,1%)
Other chronic disease	91 (39,7%)	6369 (25,9%)
None	13 (5,4%)	4869 (17,9%)

4a. Previous operation during this hospital stay

Yes, planned	7 (2,9%)	5304 (19,5%)
Yes, acute	2 (0,83%)	1634 (6,0%)
No	170 (70,2%)	17917 (65,9%)
I do not know	2 (0,83%)	313 (1,2%)
Missing	61 (25,2%)	2027 (7,5%)

Days since operation	9 [6-13]	3 [1-11]
----------------------	----------	----------

4b. Planned operation during this hospital stay

Yes, today or tomorrow	9 (3,7%)	1998 (7,3%)
Yes, later	6 (2,5%)	1411 (5,2%)
No	166 (68,6%)	19908 (73,2%)
I do not know	1 (0,41%)	1082 (4,0%)
Missing	60 (24,8%)	2796 (10,3%)

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

16 (8,6%)	2731 (10,6%)
-----------	--------------

6. Is this patient terminally ill?

22 (9,1%)	1729 (6,4%)
-----------	-------------

7. Fluid status

Normal	207 (85,5%)	20820 (76,6%)
Overloaded	10 (4,1%)	1466 (5,4%)
Dehydrated	14 (5,8%)	1298 (4,8%)
I do not know	11 (4,5%)	3611 (13,3%)
Missing	-	-

8. Number of different medications planned

Oral	7 [4-9]	5 [2-8]
Other	4 [2-7]	2 [1-4]

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

Malnourished	33 (13,6%)	3264 (12,0%)
At risk	32 (13,2%)	4856 (17,9%)
No	139 (57,4%)	16820 (61,8%)
I do not know	38 (15,7%)	2255 (8,3%)
Missing	-	-

10. IV Fluids

Electrolyte solution (NaCl, Ringers lactate, etc)	53 (21,9%)	9496 (34,9%)
5% Glucose solution	5 (2,1%)	2615 (9,6%)

11. Number of ONS drinks planned

0 [0-0]	0 [0-0]
---------	---------

12. Nutrition intake

Regular hospital food	118 (48,8%)	15788 (58,1%)
Fortified/enriched hospital food	3 (1,2%)	3133 (11,5%)
Protein/energy supplement (e.g. ONS drinks)	34 (14,0%)	4012 (14,8%)
Enteral nutrition	9 (3,7%)	1315 (4,8%)
Parenteral nutrition	2 (0,83%)	1286 (4,7%)
Special diet	108 (44,6%)	8834 (32,5%)
None	6 (2,5%)	1283 (4,7%)

13a. All lines and Tubes

Central Venous	25 (13,4%)	2360 (9,2%)
Peripheral venous access	120 (64,5%)	12501 (48,7%)
Nasogastric	5 (2,7%)	680 (2,6%)
Nasojejunal	-	135 (0,53%)
Nasoduodenal	-	99 (0,39%)
Enterostoma	1 (0,54%)	126 (0,49%)
Percutaneous endoscopy/surgical gastrostomy	-	234 (0,91%)
Percutaneous endoscopy/surgical jejunostomy	-	95 (0,37%)
None	101 (41,7%)	12303 (45,2%)

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

Yes, previously	2 (0,83%)	362 (1,3%)
Yes, ongoing	1 (0,41%)	227 (0,83%)
No	159 (65,7%)	21227 (78,1%)
I do not know	7 (2,9%)	2312 (8,5%)
Missing	73 (30,2%)	3067 (11,3%)

14. Please indicate if any of the following was done for this patient since admission		
Energy requirements were determined	25 (13,4%)	9593 (37,3%)
Protein requirements were determined	24 (12,9%)	8543 (33,3%)
Food/Nutrition intake was recorded in the patient record	57 (30,6%)	11079 (43,1%)
Nutrition treatment plan was developed	32 (17,2%)	9042 (35,2%)
Nutrition expert was consulted	32 (17,2%)	9313 (36,3%)
Malnutrition status is recorded in the patient record	44 (23,7%)	8238 (32,1%)
None	-	-

15a. Energy goal

< 500 kcal	4 (1,7%)	1046 (3,8%)
500-999 kcal	1 (0,41%)	269 (0,99%)
1000-1499 kcal	13 (5,4%)	2400 (8,8%)
1500-1999 kcal	34 (14,0%)	8218 (30,2%)
>=2000 kcal	22 (9,1%)	2704 (9,9%)
Not determined	94 (38,8%)	8749 (32,2%)
I do not know	18 (7,4%)	2265 (8,3%)
Missing	56 (23,1%)	1544 (5,7%)

15b. Energy intake

< 500 kcal	4 (1,7%)	1697 (6,2%)
500-999 kcal	8 (3,3%)	1257 (4,6%)
1000-1499 kcal	22 (9,1%)	3424 (12,6%)
1500-1999 kcal	25 (10,3%)	5999 (22,1%)
>=2000 kcal	10 (4,1%)	1448 (5,3%)
Not determined	100 (41,3%)	8533 (31,4%)
I do not know	17 (7,0%)	3276 (12,0%)
Missing	56 (23,1%)	1561 (5,7%)

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

Improved	102 (42,1%)	12837 (47,2%)
Deteriorated	9 (3,7%)	1433 (5,3%)
Remained the same	47 (19,4%)	7057 (25,9%)
This patient has just been admitted	9 (3,7%)	1699 (6,2%)
I do not know	19 (7,9%)	2663 (9,8%)
Missing	56 (23,1%)	1506 (5,5%)

Length of hospital stay (days)	12 [8-26]	12 [6-23]
--------------------------------	-----------	-----------

Outcome Code

1= Still in the hospital	24 (9,9%)	2601 (9,6%)
2= Transferred to another hospital	9 (3,7%)	571 (2,1%)
3= Transferred to long term care	15 (6,2%)	1107 (4,1%)

4= Rehabilitation	2 (0,83%)	1222 (4,5%)
5= Discharged home	135 (55,8%)	20149 (74,1%)
6= Death	8 (3,3%)	845 (3,1%)
7= Others	1 (0,41%)	507 (1,9%)
Missing	48 (19,8%)	193 (0,71%)

Readmitted since ND

1= No	119 (70,4%)	18115 (75,8%)
2= Yes, same hospital planned	13 (7,7%)	1637 (6,9%)
3= Yes, same hospital unplanned	28 (16,6%)	1465 (6,1%)
4= Yes, different hospital planned	3 (1,8%)	112 (0,47%)
5= Yes, different hospital unplanned	3 (1,8%)	112 (0,47%)
6= Unknown	-	796 (3,3%)
Missing	4 (2,4%)	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	129 (53,8%)	17526 (66,5%)
I am vegetarian	-	510 (1,9%)
I adhere to a vegan diet	1 (0,42%)	193 (0,73%)
I eat gluten-free diet	2 (0,83%)	244 (0,93%)
I avoid added sugars	32 (13,3%)	3934 (14,9%)
I avoid carbohydrates	6 (2,5%)	1502 (5,7%)
I eat a low fat-diet	30 (12,5%)	2899 (11,0%)
I am lactose intolerant	6 (2,5%)	946 (3,6%)
Other special diet due to intolerances/allergies	2 (0,83%)	469 (1,8%)
Other	18 (7,5%)	1854 (7,0%)
No answer given	56 (23,3%)	1891 (7,2%)
2. Where did you live before your current hospital admission?		
At home	163 (67,9%)	22025 (83,6%)
In a nursing home or other live-in facility	12 (5,0%)	836 (3,2%)
I was transferred from another hospital	8 (3,3%)	1411 (5,4%)
Other	1 (0,42%)	374 (1,4%)
Missing	56 (23,3%)	1694 (6,4%)
3. In general, are you able to walk?		
Yes	118 (49,2%)	16014 (60,8%)
Yes, with someone's help	20 (8,3%)	2580 (9,8%)
Yes, independently using a cane, walker, or crutches	24 (10,0%)	3466 (13,2%)
No, I have a wheelchair	7 (2,9%)	1033 (3,9%)
No, I am bedridden	11 (4,6%)	1462 (5,6%)
Missing	60 (25,0%)	1785 (6,8%)
4. In general, how would you say your health is?		
Very good	5 (2,1%)	1854 (7,0%)
Good	43 (17,9%)	8966 (34,0%)
Fair	88 (36,7%)	9409 (35,7%)
Poor	35 (14,6%)	3513 (13,3%)
Very poor	10 (4,2%)	824 (3,1%)
Missing	59 (24,6%)	1774 (6,7%)
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?	9 [3-18]	5 [0-15]
--	----------	----------

6. How many different medications do you take routinely each day (prior to hospitalisation)?

1-2	27 (11,3%)	4936 (18,7%)
3-5	54 (22,5%)	6672 (25,3%)
More than 5	89 (37,1%)	7906 (30,0%)
None	13 (5,4%)	3926 (14,9%)
I do not know	1 (0,42%)	1077 (4,1%)
Missing	56 (23,3%)	1823 (6,9%)

7. Do you have health insurance?

Yes, private insurance only	11 (4,6%)	4253 (16,1%)
Yes, public insurance only	103 (42,9%)	12350 (46,9%)
Yes, both	36 (15,0%)	3229 (12,3%)
None	28 (11,7%)	2938 (11,2%)
I prefer not to answer	5 (2,1%)	1314 (5,0%)
Missing	57 (23,8%)	2256 (8,6%)

8. What was your weight 5 years ago?

	72 [65-84]	72 [60-85]
--	------------	------------

I do not know	44 (18,3%)	6267 (23,8%)
---------------	------------	--------------

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

Yes, intentionally	20 (8,3%)	2468 (9,4%)
Yes, unintentionally	113 (47,1%)	10065 (38,2%)
No, my weight stayed the same	53 (22,1%)	7869 (29,9%)
No, I gained weight	36 (15,0%)	2857 (10,8%)
I do not know	15 (6,3%)	2512 (9,5%)
Missing	3 (1,3%)	569 (2,2%)

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

	5 [3-10]	6 [4-10]
--	----------	----------

I do not know	27 (20,3%)	1997 (15,9%)
---------------	------------	--------------

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

	38 (22,0%)	9602 (40,6%)
--	------------	--------------

11. Please indicate if you ...

... were weighed at admission	54 (29,5%)	14112 (57,4%)
... were informed about your nutrition status	35 (19,1%)	8364 (34,3%)
... were informed about nutrition care options	34 (18,6%)	7769 (31,9%)
... received special nutrition care	48 (26,4%)	7463 (30,7%)

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

More than normal	9 (3,8%)	1163 (4,4%)
Normal	151 (62,9%)	15832 (60,4%)

About 3/4 of normal	23 (9,6%)	2728 (10,4%)
About half of normal	30 (12,5%)	3287 (12,5%)
About a quarter to nearly nothing	20 (8,3%)	2496 (9,5%)
I do not know	4 (1,7%)	264 (1,0%)
Missing	3 (1,3%)	443 (1,7%)

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

Very satisfied	36 (15,0%)	6066 (23,1%)
Somewhat satisfied	49 (20,4%)	8166 (31,2%)
Neutral	59 (24,6%)	4867 (18,6%)
Dissatisfied	20 (8,3%)	2103 (8,0%)
Very dissatisfied	11 (4,6%)	726 (2,8%)
I do not know	8 (3,3%)	2021 (7,7%)
Missing	57 (23,8%)	2264 (8,6%)

14. Did you get any help with eating TODAY?

Yes, from family or friends	35 (14,6%)	2448 (9,3%)
Yes, from hospital staff	9 (3,8%)	1670 (6,4%)
No	130 (54,2%)	19193 (73,2%)
I do not know	-	302 (1,2%)
Missing	66 (27,5%)	2600 (9,9%)

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

117 (66,1%)	17231 (74,2%)
-------------	---------------

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

About all	106 (44,2%)	12095 (46,1%)
1/2	81 (33,8%)	6486 (24,7%)
1/4	29 (12,1%)	3353 (12,8%)
Nothing	20 (8,3%)	3130 (11,9%)
Missing	4 (1,7%)	1149 (4,4%)

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

Standard	123 (51,3%)	15979 (61,0%)
Smaller	3 (1,3%)	2367 (9,0%)
Larger	19 (7,9%)	1119 (4,3%)
I do not know	23 (9,6%)	2429 (9,3%)
Missing	72 (30,0%)	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	37 (28,5%)	2061 (15,9%)
I did not like the smell/taste of the food	20 (15,4%)	1569 (12,1%)
The food did not fit my cultural/religious preferences	1 (0,77%)	143 (1,1%)
The food was too hot	-	59 (0,45%)

The food was too cold	4 (3,1%)	296 (2,3%)
Due to food allergy/intolerance	-	96 (0,74%)
I was not hungry at that time	17 (13,1%)	2205 (17,0%)
I do not have my usual appetite	53 (40,8%)	3830 (29,5%)
I have problems chewing/swallowing	6 (4,6%)	761 (5,9%)
I normally eat less than what was served	21 (16,2%)	1427 (11,0%)
I had nausea/vomiting	3 (2,3%)	1029 (7,9%)
I was too tired	6 (4,6%)	789 (6,1%)
I cannot eat without help	3 (2,3%)	208 (1,6%)
I was not allowed to eat	8 (6,2%)	1289 (9,9%)
I had an exam, surgery, or test and missed my meal	6 (4,6%)	766 (5,9%)
I did not get requested food	1 (0,77%)	139 (1,1%)
No answer given	5 (3,8%)	1829 (14,1%)

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

Water	4 [2-6]	3 [2-5]
Tea	0 [0-0]	1 [0-2]
Coffee	1 [1-2]	1 [1-2]
Milk	1 [1-2]	1 [0-1]
Fruit juice	1 [0-1]	1 [0-2]
Soft drinks	0 [0-0]	0 [0-1]
Nutrition drink	0 [0-1]	0 [0-1]
Other	0 [0-1]	0 [0-1]

19a. Did you eat any food apart from hospital food TODAY? 46 (27,7%) 6580 (28,9%)

19b. If yes, what did you eat?

Sweet snacks	22 (47,8%)	1928 (29,3%)
Salty snacks	12 (26,1%)	749 (11,4%)
Homemade food	5 (10,9%)	963 (14,6%)
Fruits	12 (26,1%)	2551 (38,8%)
Dairy products	4 (8,7%)	724 (11,0%)
Food delivered/restaurant	1 (2,2%)	293 (4,5%)
Sandwich	5 (10,9%)	421 (6,4%)
Other	1 (2,2%)	1042 (15,8%)

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

Increased	25 (10,4%)	3706 (14,1%)
Decreased	72 (30,0%)	7774 (29,7%)
Stayed the same	73 (30,4%)	10331 (39,4%)
I do not know	8 (3,3%)	1690 (6,4%)
Missing	62 (25,8%)	2712 (10,3%)

21. TODAY I feel...

Stronger than at admission	125 (52,1%)	11240 (42,9%)
Weaker than at admission	46 (19,2%)	4893 (18,7%)
Same as at admission	59 (24,6%)	7428 (28,3%)
I was admitted today	-	662 (2,5%)
I do not know	5 (2,1%)	1384 (5,3%)
Missing	5 (2,1%)	606 (2,3%)

22. Can you walk without assistance TODAY?

Yes	132 (55,0%)	15438 (58,9%)
No, only with assistance	67 (27,9%)	6458 (24,6%)
No, I stay in bed	33 (13,8%)	3018 (11,5%)
Missing	8 (3,3%)	1299 (5,0%)

23. Did anyone help you complete this questionnaire?	121 (68,4%)	15731 (65,1%)
---	-------------	---------------

V. Oncology: Unit organisation and structures ("Sheet 1 onco")

	YOUR RESULTS	REFERENCE RESULTS
Number of units with cancer patients:	4	331
Computerized system in hospital:	4 units (100%) YES	312 units (94%) YES
Nutritional treatment of cancer patients is part of overall care plan	4 units (100%) YES	297 units (90%) YES
Nutritional treatment is considered...		
Routinely	-	195 (58,9%)
When patient asks	-	88 (26,6%)
When body weight loss > 10%	-	111 (33,5%)
During palliative phase	-	91 (27,5%)
Other	-	23 (6,95%)
Missing	-	31 (9,37%)
Nutritional treatment is not part of the comprehensive approach due to		
Lack of evidence	-	10 (3,02%)
No knowledge of the field	-	11 (3,32%)
No reimbursement	-	8 (2,42%)
It feeds the tumour	-	2 (0,60%)
Other	-	12 (3,63%)
Nutritional therapy used for cancer patients		
Nutrition according to nutrition plan	-	217 (65,6%)
Calculation of energy needs	-	238 (71,9%)
Monitoring patients intake and use of oral supplements	-	283 (85,5%)
None	-	7 (2,11%)
Other	-	16 (4,83%)
Missing	-	8 (2,42%)
Nutritional therapy is not used due to		
Lack of evidence	-	3 (0,91%)
Lack of experience	-	9 (2,72%)
No reimbursement	-	5 (1,51%)
Lack of dietitians	-	14 (4,23%)
Lack of other experts	-	4 (1,21%)
Other	-	7 (2,11%)
Missing	-	1 (0,30%)
Assessment of parameters in cancer patients & methods used:		

Anthropometry/Body composition:**Body weight**

Regularly	3 (75,0%)	224 (67,7%)
At chemotherapy	-	53 (16,0%)
When necessary	1 (25,0%)	43 (13,0%)
Never	-	4 (1,21%)
Unknown	-	3 (0,91%)
Missing	-	4 (1,21%)

Anthropometrics (circumference)

Regularly	-	38 (11,5%)
At chemotherapy	-	7 (2,11%)
When necessary	3 (75,0%)	118 (35,6%)
Never	1 (25,0%)	143 (43,2%)
Unknown	-	10 (3,02%)
Missing	-	15 (4,53%)

BIA

Regularly	-	12 (3,63%)
At chemotherapy	-	4 (1,21%)
When necessary	2 (50,0%)	102 (30,8%)
Never	2 (50,0%)	187 (56,5%)
Unknown	-	12 (3,63%)
Missing	-	14 (4,23%)

CT SCAN

Regularly	-	13 (3,93%)
At chemotherapy	-	4 (1,21%)
When necessary	2 (50,0%)	84 (25,4%)
Never	2 (50,0%)	199 (60,1%)
Unknown	-	18 (5,44%)
Missing	-	13 (3,93%)

DEXA

Regularly	-	6 (1,81%)
At chemotherapy	-	1 (0,30%)
When necessary	-	55 (16,6%)
Never	4 (100%)	227 (68,6%)
Unknown	-	27 (8,16%)
Missing	-	15 (4,53%)

Other (body composition)

Regularly	-	6 (1,81%)
At chemotherapy	-	1 (0,30%)

When necessary	2 (50,0%)	47 (14,2%)
Never	2 (50,0%)	113 (34,1%)
Unknown	-	47 (14,2%)
Missing	-	117 (35,3%)

Body function:

Handgrip

Regularly	-	16 (4,83%)
At chemotherapy	-	9 (2,72%)
When necessary	3 (75,0%)	98 (29,6%)
Never	1 (25,0%)	176 (53,2%)
Unknown	-	16 (4,83%)
Missing	-	16 (4,83%)

6-minutes walking test

Regularly	-	12 (3,63%)
At chemotherapy	-	7 (2,11%)
When necessary	2 (50,0%)	76 (23,0%)
Never	2 (50,0%)	193 (58,3%)
Unknown	-	21 (6,34%)
Missing	-	22 (6,65%)

Other (body function)

Regularly	-	16 (4,83%)
At chemotherapy	-	1 (0,30%)
When necessary	2 (50,0%)	60 (18,1%)
Never	2 (50,0%)	120 (36,3%)
Unknown	-	45 (13,6%)
Missing	-	89 (26,9%)

Nutritional requirements, calculated

Regularly	3 (75,0%)	107 (32,3%)
At chemotherapy	-	3 (0,91%)
When necessary	-	160 (48,3%)
Never	1 (25,0%)	15 (4,53%)
Unknown	-	5 (1,51%)
Missing	-	41 (12,4%)

Nutritional intake:

Every meal

Regularly	2 (50,0%)	84 (25,4%)
At chemotherapy	-	3 (0,91%)
When necessary	-	143 (43,2%)
Never	1 (25,0%)	39 (11,8%)

Unknown	-	17 (5,14%)
Missing	1 (25,0%)	45 (13,6%)
1 meal per day		
Regularly	-	26 (7,85%)
At chemotherapy	-	3 (0,91%)
When necessary	-	112 (33,8%)
Never	1 (25,0%)	67 (20,2%)
Unknown	2 (50,0%)	21 (6,34%)
Missing	1 (25,0%)	102 (30,8%)
2 meals per day		
Regularly	-	26 (7,85%)
At chemotherapy	-	1 (0,30%)
When necessary	-	109 (32,9%)
Never	1 (25,0%)	69 (20,8%)
Unknown	2 (50,0%)	20 (6,04%)
Missing	1 (25,0%)	106 (32,0%)
24h recall		
Regularly	1 (25,0%)	67 (20,2%)
At chemotherapy	-	8 (2,42%)
When necessary	2 (50,0%)	130 (39,3%)
Never	1 (25,0%)	43 (13,0%)
Unknown	-	16 (4,83%)
Missing	-	67 (20,2%)
Other (nutritional intake)		
Regularly	-	12 (3,63%)
At chemotherapy	-	1 (0,30%)
When necessary	2 (50,0%)	61 (18,4%)
Never	1 (25,0%)	55 (16,6%)
Unknown	-	43 (13,0%)
Missing	1 (25,0%)	159 (48,0%)
Questionnaire completed by		
Dietitian	2 (50,0%)	142 (42,9%)
Nurse	1 (25,0%)	83 (25,1%)
Physician	1 (25,0%)	75 (22,7%)
Nutritional scientist	-	22 (6,65%)
Other	-	2 (0,60%)
Missing	-	7 (2,11%)

V. Oncology: Cancer patients - Diagnosis & therapy ("Sheet 2 onco")

	YOUR RESULTS	REFERENCE RESULTS
Number of patients completing Sheet 2_onco:	49	3278
Demographic data:		
Age (years)	59 [29-90]	64 [18-102]
Female gender	15 (30,6%)	1437 (43,8%)
Weight (kg)	71,5 ± 15,7	65,7 ± 16,5
Height (cm)	166,7 ± 6,2	165,3 ± 9,9
BMI (kg/m2)	25,8 ± 5,8	23,9 ± 4,9
Outpatient (o)/Ward (w)		
Outpatient(o)	2 (4,08%)	166 (5,06%)
Ward (w)	47 (95,9%)	3101 (94,6%)
Missing	-	11 (0,34%)
Goal of Therapy		
Curative	22 (44,9%)	1959 (59,8%)
Palliative	25 (51,0%)	1091 (33,3%)
Terminal	-	153 (4,67%)
Missing	2 (4,08%)	75 (2,29%)
Reason for admission		
Clinical diagnostics	-	408 (12,4%)
Therapy	-	1529 (46,6%)
Surgery related	-	631 (19,2%)
Treatment complications	-	459 (14,0%)
Poor health status	-	430 (13,1%)
Independent care difficult	-	29 (0,88%)
Missing	-	-
Present cancer diagnosis		
Breast	-	236 (7,20%)
Colon, rectum	-	504 (15,4%)
Prostate	-	102 (3,11%)
Lung	-	328 (10,0%)
Skin	-	30 (0,92%)
Kidney/bladder	-	128 (3,90%)
Gastric/oesophageal	-	396 (12,1%)
Pancreas	-	184 (5,61%)
Lymphoma	-	284 (8,66%)
Ears nose throat (ENT)	-	140 (4,27%)
Leukaemia	-	243 (7,41%)

Genital tract	-	109 (3,33%)
Liver	-	260 (7,93%)
Sarcoma	-	46 (1,40%)
Brain	-	52 (1,59%)
Testicular	-	14 (0,43%)
Other	-	338 (10,3%)
Missing	-	45 (1,37%)

Time since diagnosis

0-2 months	16 (32,7%)	1019 (31,1%)
3-5 months	4 (8,16%)	544 (16,6%)
6-12 months	9 (18,4%)	551 (16,8%)
1-2 years	9 (18,4%)	436 (13,3%)
2-4 years	6 (12,2%)	308 (9,40%)
> 4 years	3 (6,12%)	319 (9,73%)
Missing	2 (4,08%)	66 (2,01%)

Cancer staging

0=Carcinoma in situ	-	152 (4,64%)
I=Localized	1 (2,04%)	654 (20,0%)
II=Early locally advanced	3 (6,12%)	584 (17,8%)
III=Late locally advanced	7 (14,3%)	523 (16,0%)
IV=Metastasised	18 (36,7%)	993 (30,3%)
Missing	20 (40,8%)	372 (11,3%)

Time since first therapy start

No therapy	-	319 (9,73%)
Tumour staging/diagnosis	-	314 (9,58%)
0-2 months	-	932 (28,4%)
3-5 months	-	427 (13,0%)
6-12 months	-	498 (15,2%)
1-2 years	-	342 (10,4%)
2-4 years	-	243 (7,41%)
> 4 years	-	284 (8,66%)
Missing	-	57 (1,74%)

Therapy situation

Diagnosis	-	345 (10,5%)
Chemotherapy 1st line	-	694 (21,2%)
Chemotherapy > 1st line	-	584 (17,8%)
Radiotherapy	-	262 (7,99%)
Target therapy	-	86 (2,62%)
Hormone therapy	-	38 (1,16%)
Palliative	-	321 (9,79%)

Surgery	-	846 (25,8%)
Cancer related complications	-	299 (9,12%)
Therapy related complications	-	138 (4,21%)
Missing	-	55 (1,68%)

Infections

None	32 (65,3%)	2414 (73,6%)
Local	9 (18,4%)	506 (15,4%)
General	7 (14,3%)	274 (8,36%)
Missing	1 (2,04%)	84 (2,56%)

Nutrition Treatment

No special diet	-	1329 (40,5%)
Individualized diet plan	-	974 (29,7%)
Energy rich/protein rich ONS	-	624 (19,0%)
Enteral nutrition (via NGT/PEG)	-	184 (5,61%)
Parenteral nutrition	-	312 (9,52%)
ONS enriched with special nutrients	-	100 (3,05%)
Special nutrients (EPA, branched chained amino acids, glutamine, arginine, carnitine)	-	49 (1,49%)
Personal preferences	-	342 (10,4%)
Counselling	-	234 (7,14%)
Other	-	132 (4,03%)
Missing	-	-

V. Oncology: Cancer patients - Appetite, food intake & quality of life ("Sheet 3 onco")

	YOUR RESULTS	REFERENCE RESULTS
Number of patients completing Sheet 3_onco:	49	3248
Body weight prior to becoming ill	77 [49-114]	70 [20-180]
Actual body weight	70 [40-122]	64 [11-175]
Change in weight was		
Intentional	3 (6,12%)	130 (3,97%)
Unintentional	35 (71,4%)	2109 (64,3%)
Weight is stable	7 (14,3%)	524 (16,0%)
Missing	1 (2,04%)	99 (3,02%)
During the last week		
Patients who have had pain:		
Not at all	16 (32,7%)	1075 (32,8%)
A little	13 (26,5%)	966 (29,5%)
Quite a bit	10 (20,4%)	585 (17,8%)
Very much	10 (20,4%)	379 (11,6%)
Missing	-	242 (7,38%)
Patients who needed a rest:		
Not at all	7 (14,3%)	676 (20,6%)
A little	15 (30,6%)	995 (30,4%)
Quite a bit	17 (34,7%)	774 (23,6%)
Very much	8 (16,3%)	535 (16,3%)
Missing	-	256 (7,81%)
Patients who felt weak:		
Not at all	3 (6,12%)	688 (21,0%)
A little	12 (24,5%)	995 (30,4%)
Quite a bit	26 (53,1%)	783 (23,9%)
Very much	8 (16,3%)	535 (16,3%)
Missing	-	244 (7,44%)
Patients who felt depressed:		
Not at all	19 (38,8%)	1154 (35,2%)
A little	18 (36,7%)	1026 (31,3%)
Quite a bit	6 (12,2%)	499 (15,2%)
Very much	5 (10,2%)	282 (8,60%)
Missing	-	255 (7,78%)

Patients who were tired:

Not at all	6 (12,2%)	700 (21,4%)
A little	12 (24,5%)	1048 (32,0%)
Quite a bit	22 (44,9%)	755 (23,0%)
Very much	8 (16,3%)	494 (15,1%)
Missing	-	243 (7,41%)

Patients whose pain interfered with their daily activities:

Not at all	14 (28,6%)	1203 (36,7%)
A little	10 (20,4%)	789 (24,1%)
Quite a bit	14 (28,6%)	548 (16,7%)
Very much	10 (20,4%)	421 (12,8%)
Missing	-	267 (8,15%)

Patients who lacked appetite:

Not at all	13 (26,5%)	1102 (33,6%)
A little	7 (14,3%)	840 (25,6%)
Quite a bit	18 (36,7%)	567 (17,3%)
Very much	11 (22,4%)	465 (14,2%)
Missing	-	261 (7,96%)

Just now**Patients who have pain:**

Not at all	24 (49,0%)	1281 (39,1%)
A little	21 (42,9%)	1090 (33,3%)
Quite a bit	1 (2,04%)	444 (13,5%)
Very much	3 (6,12%)	167 (5,09%)
Missing	-	258 (7,87%)

Patients who need a rest:

Not at all	6 (12,2%)	671 (20,5%)
A little	18 (36,7%)	1142 (34,8%)
Quite a bit	17 (34,7%)	759 (23,2%)
Very much	7 (14,3%)	393 (12,0%)
Missing	-	266 (8,11%)

Patients who feel weak:

Not at all	5 (10,2%)	760 (23,2%)
A little	21 (42,9%)	1079 (32,9%)
Quite a bit	17 (34,7%)	740 (22,6%)
Very much	5 (10,2%)	386 (11,8%)
Missing	1 (2,04%)	265 (8,08%)

Patients who are depressed:

Not at all	21 (42,9%)	1318 (40,2%)
A little	22 (44,9%)	1001 (30,5%)
Quite a bit	1 (2,04%)	431 (13,1%)
Very much	4 (8,16%)	199 (6,07%)
Missing	-	270 (8,24%)

Patients who are tired:

Not at all	5 (10,2%)	799 (24,4%)
A little	21 (42,9%)	1157 (35,3%)
Quite a bit	18 (36,7%)	651 (19,9%)
Very much	5 (10,2%)	352 (10,7%)
Missing	-	270 (8,24%)

Patients whose pain interferes with their daily activities:

Not at all	14 (28,6%)	1232 (37,6%)
A little	20 (40,8%)	858 (26,2%)
Quite a bit	9 (18,4%)	531 (16,2%)
Very much	6 (12,2%)	318 (9,70%)
Missing	-	288 (8,79%)

Patients who lack appetite:

Not at all	15 (30,6%)	1159 (35,4%)
A little	13 (26,5%)	880 (26,8%)
Quite a bit	15 (30,6%)	550 (16,8%)
Very much	6 (12,2%)	355 (10,8%)
Missing	-	285 (8,69%)

Reasons for change in appetite/food intake

Nausea/Vomiting	-	612 (18,7%)
Inflammation in mouth	-	160 (4,88%)
Pain	-	454 (13,8%)
Constipation	-	258 (7,87%)
Diarrhea	-	188 (5,74%)
Change in taste/smell	-	447 (13,6%)
Early satiation/Loss of appetite	-	771 (23,5%)
Other	-	544 (16,6%)
Missing	34 (69,4%)	121 (3,69%)

Maximum activity performed by patients

Able to do sports	1 (2,04%)	135 (4,12%)
Fully active	1 (2,04%)	462 (14,1%)
Able to carry out light activities	12 (24,5%)	675 (20,6%)
Able to carry out self care	17 (34,7%)	777 (23,7%)
Able to carry out limited self care	7 (14,3%)	487 (14,9%)

Confined to bed or chair	9 (18,4%)	463 (14,1%)
Missing	2 (4,08%)	254 (7,75%)

Patient takes additional (without prescription)

Nothing	-	2113 (64,5%)
Herbal tea	-	278 (8,48%)
Nutritional supplements	-	292 (8,91%)
Multivitamin	-	131 (4,00%)
Other medication	-	124 (3,78%)
Other	-	146 (4,45%)
Missing	-	311 (9,49%)

Additional activities performed

Nothing	-	2374 (72,4%)
Psychotherapy	-	69 (2,10%)
Yoga	-	35 (1,07%)
Meditation	-	121 (3,69%)
Progressive muscle relaxation	-	46 (1,40%)
Qigong	-	10 (0,31%)
Other	-	316 (9,64%)
Missing	-	354 (10,8%)

Patients having difficulties in complying with treatment	10 (20,4%)	701 (21,4%)
--	------------	-------------

Patients needing help to complete questionnaire	31 (63,3%)	1819 (55,5%)
---	------------	--------------

Patients believing that including nutrition in their therapeutic approach could provide relevant benefit to them:	30 (61,2%)	2090 (63,8%)
---	------------	--------------