



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:	27
Number of participated units:	52
Number of patients:	1911
Number of patients who gave consent:	1881
Number of patients completing Sheet 3a:	1822
Number of patients completing Sheet 3b:	1820
Number of cancer patients:	305
Number of patients completing Sheet 2_onco:	91
Number of patients completing Sheet 3_onco:	91
Number of patients with 30-day outcome assessment:	1837

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	235 [82-345]	333 [194-630]
2. Total number of admissions in the hospital last year	21301 [10044-41842]	18005 [9101-36130]
3. Total number of staff in the hospital		
Total medical doctors	123 [71-203]	173 [80-399]
Medical specialists	67 [33-119]	116 [53-250]
Medical non-specialists	49 [33-82]	37 [14-84]
Nurses	163 [58-473]	420 [183-836]
Dieticians	1 [0-5]	5 [2-9]
Nutritionists	4 [1-7]	1 [0-4]
Pharmacists	5 [2-10]	7 [4-21]
Kitchen staff	29 [9-42]	31 [15-59]
Full time equivalent		
Total medical doctors	168 [82-283]	148 [60-373]
Medical specialists	67 [35-177]	98 [45-251]
Medical non-specialists	55 [38-84]	36 [11-99]
Nurses	166 [121-396]	364 [180-788]
Dieticians	0 [0-1]	5 [2-8]
Nutritionists	2 [1-8]	1 [0-3]
Pharmacists	4 [1-11]	6 [3-18]
Kitchen staff	18 [8-45]	29 [15-55]
4. Does the hospital have a nutrition care strategy?	22 (84,6%) Yes	498 (79,4%) Yes
5. Which nutrition-related standards or routine activities exist in your hospital?		
Nutrition training is available	14 (53,8%) Yes	434 (66,7%) Yes
Nutrition steering committee is available	9 (34,6%) Yes	388 (59,6%) Yes
Quality indicators are recorded and reported to national or regional level	6 (23,1%) Yes	263 (40,4%) Yes
Quality indicators are used for internal benchmarking	17 (65,4%) Yes	337 (51,8%) Yes
Patient feedback about food and food service is collected using a questionnaire	21 (80,8%) Yes	475 (73,0%) Yes
None	4 (15,4%) 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	16 (61,5%) Yes	313 (48,1%) Yes

Oral nutrition supplements	15 (57,7%) Yes	239 (36,7%) Yes
Parenteral nutrition	19 (73,1%) Yes	375 (57,6%) Yes
Enteral nutrition	20 (76,9%) Yes	334 (51,3%) Yes
Dietary counseling	7 (26,9%) Yes	235 (36,1%) Yes
Specific dietary interventions	12 (46,2%) Yes	181 (27,8%) Yes
Screening for malnutrition	5 (19,2%) Yes	187 (28,7%) Yes
Risk of malnutrition	7 (26,9%) Yes	160 (24,6%) Yes
Malnutrition (in general)	10 (38,5%) Yes	294 (45,2%) Yes
Severity of malnutrition (i.e. mild, moderate, severe)	10 (38,5%) Yes	280 (43,0%) Yes
No information available from billing/finance/controlling	3 (11,5%) Yes	109 (16,7%) Yes
No answer given	-	42 (6,5%)

Codes routinely used

Nutrition Support	14 (53,8%) Yes	270 (41,5%) Yes
Oral nutrition supplements	14 (53,8%) Yes	209 (32,1%) Yes
Parenteral nutrition	18 (69,2%) Yes	343 (52,7%) Yes
Enteral nutrition	19 (73,1%) Yes	307 (47,2%) Yes
Dietary counseling	9 (34,6%) Yes	198 (30,4%) Yes
Specific dietary interventions	10 (38,5%) Yes	159 (24,4%) Yes
Screening for malnutrition	4 (15,4%) Yes	149 (22,9%) Yes
Risk of malnutrition	7 (26,9%) Yes	128 (19,7%) Yes
Malnutrition (in general)	9 (34,6%) Yes	255 (39,2%) Yes
Severity of malnutrition (i.e. mild, moderate, severe)	10 (38,5%) Yes	242 (37,2%) Yes
No information available from billing/finance/controlling	5 (19,2%) 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	22 (42,3%)	21.1%
Internal Medicine / Cardiology	2 (3,8%)	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	1 (1,9%)	1.2%
Internal Medicine / Oncology (incl. radiotherapy)	3 (5,8%)	8.1%
Interdisciplinary	4 (7,7%)	3.4%
Long term care	0 (0,0%)	2.0%
Neurology	0 (0,0%)	3.6%
Surgery / General	17 (32,7%)	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	3 (5,8%)	11.1%
2. Number of registered inpatients at noon	47 [26-90]	25 [19-32]
3. Total bed capacity of the unit	74 [30-140]	30 [24-40]
4. Number of each type of staff in the unit for TODAY's morning shift		
Fully trained		
Medical doctors	5 [3-14]	4 [2-7]
Nurses	5 [2-8]	5 [3-8]
Nursing aides	13 [4-29]	2 [1-4]
Dieticians	1 [0-2]	1 [0-1]
Nutritionists	1 [1-2]	0 [0-1]
Administrative staff	2 [1-3]	1 [0-1]
Other staff involved in patient care	2 [1-3]	1 [0-2]
In training		
Medical doctors	1 [0-2]	1 [0-3]
Medical students	4 [0-10]	0 [0-2]
Nurses	0 [0-4]	1 [0-3]

Nursing aides	0 [0-5]	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]	0 [0-0]

5. Is there a nutrition support team in your hospital available? 27 (55,1%) Yes 1018 (78,3%) Yes

6. Does the unit have a nutrition care strategy? 39 (79,6%) Yes 984 (75,7%) Yes

7. Is there a person in your unit responsible for nutrition care? 49 (100,0%) Yes 922 (70,9%) Yes

8. Is there a dietician, nutritionist or dietetic assistant available for your unit? 49 (100,0%) Yes 1239 (90,8%) Yes

9. Is specific staff responsible for providing feeding assistance to patients during meal times? 17 (34,7%) Yes 780 (60,0%) Yes

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

At admission

No routine screening	9 (17,3%) Yes	109 (7,6%)
No fixed criteria	2 (3,8%) Yes	21 (1,5%)
Experience / visual assessment only	1 (1,9%) Yes	102 (7,1%)
Weighing / BMI only	5 (9,6%) Yes	201 (14,1%)
Nutritional Risk Screening (NRS) 2002	3 (5,8%) Yes	462 (32,3%)
Malnutrition Universal Screening Tool (MUST)	4 (7,7%) Yes	81 (5,7%)
Malnutrition Screening tool (MST)	17 (32,7%) Yes	115 (8,0%)
SNAQ	-	13 (0,91%)
Other formal tool	8 (15,4%) Yes	249 (17,4%)
I do not know	-	11 (0,77%)
Missing	3 (5,8%)	66 (4,6%)

During hospital stay

No routine monitoring	11 (21,2%) Yes	133 (9,3%)
No fixed criteria	2 (3,8%) Yes	118 (8,3%)
Experience / visual assessment only	10 (19,2%) Yes	235 (16,4%)
Weighing / BMI only	5 (9,6%) Yes	471 (32,9%)
Other formal tool	18 (34,6%) Yes	375 (26,2%)
I do not know	3 (5,8%) Yes	32 (2,2%)
Missing	3 (5,8%)	66 (4,6%)

11a. Do you routinely use guidelines or standards for nutrition care? 44 (91,7%) Yes 1043 (82,1%) Yes

11b. If yes, which one is mainly used?			
International guidelines	17 (38,6%)	Yes	257 (24,6%)
National guidelines	3 (6,8%)	Yes	166 (15,9%)
Standards on hospital level	18 (40,9%)	Yes	378 (36,2%)
Standards on unit level	2 (4,5%)	Yes	65 (6,2%)
Individual patient nutrition care plans	4 (9,1%)	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	20 (38,5%)	Yes	399 (27,9%)
Discuss nutrition care activities during ward rounds	31 (59,6%)	Yes	614 (42,9%)
Develop an individual nutrition care plan	31 (59,6%)	Yes	720 (50,3%)
Initiate treatment / nutrition intervention	38 (73,1%)	Yes	820 (57,3%)
Consult a nutrition expert (dietician, nutritionist, etc.)	33 (63,5%)	Yes	828 (57,9%)
Consult a medical professional	12 (23,1%)	Yes	505 (35,3%)
Calculate energy requirements	35 (67,3%)	Yes	652 (45,6%)
Calculate protein requirements	33 (63,5%)	Yes	630 (44,1%)

Malnourished

Watchful waiting	20 (38,5%)	Yes	280 (19,6%)
Discuss nutrition care activities during ward rounds	34 (65,4%)	Yes	675 (47,2%)
Develop an individual nutrition care plan	41 (78,8%)	Yes	792 (55,4%)
Initiate treatment / nutrition intervention	42 (80,8%)	Yes	884 (61,8%)
Consult a nutrition expert (dietician, nutritionist, etc.)	36 (69,2%)	Yes	823 (57,6%)
Consult a medical professional	10 (19,2%)	Yes	579 (40,5%)
Calculate energy requirements	40 (76,9%)	Yes	763 (53,4%)
Calculate protein requirements	41 (78,8%)	Yes	745 (52,1%)

Every patient

Watchful waiting	19 (36,5%)	Yes	700 (49,0%)
Discuss nutrition care activities during ward rounds	8 (15,4%)	Yes	358 (25,0%)
Develop an individual nutrition care plan	6 (11,5%)	Yes	250 (17,5%)
Initiate treatment / nutrition intervention	4 (7,7%)	Yes	197 (13,8%)
Consult a nutrition expert (dietician, nutritionist, etc.)	9 (17,3%)	Yes	264 (18,5%)
Consult a medical professional	24 (46,2%)	Yes	307 (21,5%)
Calculate energy requirements	4 (7,7%)	Yes	186 (13,0%)
Calculate protein requirements	4 (7,7%)	Yes	168 (11,7%)

Never

Watchful waiting	2 (3,8%)	Yes	105 (7,3%)
------------------	----------	-----	------------

Discuss nutrition care activities during ward rounds	2 (3,8%) Yes	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.)	-	20 (1,4%)
Consult a medical professional	8 (15,4%) Yes	146 (10,2%)
Calculate energy requirements	-	141 (9,9%)
Calculate protein requirements	-	165 (11,5%)

I do not know

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

13. When do you routinely weigh your patients?

at admission	34 (65,4%) Yes	928 (64,9%)
Within 24 hours	7 (13,5%) Yes	210 (14,7%)
Within 48 hours	-	79 (5,5%)
Within 72 hours	-	39 (2,7%)
Every week	14 (26,9%) Yes	627 (43,8%)
Occasionally	2 (3,8%) Yes	158 (11,0%)
When requested	31 (59,6%) Yes	728 (50,9%)
At discharge	1 (1,9%) Yes	67 (4,7%)
Never	-	17 (1,2%)
I do not know	1 (1,9%) 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	41 (78,8%) Yes	1096 (76,6%)
Offer meal choices	33 (63,5%) Yes	1055 (73,8%)
Offer different portion sizes	34 (65,4%) Yes	934 (65,3%)
Consider food presentation	29 (55,8%) Yes	502 (35,1%)
Change food texture/consistency as needed	47 (90,4%) Yes	1175 (82,2%)
Consider patient problems with eating and drinking	47 (90,4%) Yes	1166 (81,5%)
Ensure that mealtimes are undisturbed/protected mealtime policy	5 (9,6%) Yes	324 (22,7%)
Promote positive eating environment	8 (15,4%) Yes	419 (29,3%)
Consider cultural/religious preferences	38 (73,1%) Yes	903 (63,1%)
Consider patient allergies / intolerances	41 (78,8%) Yes	1045 (73,1%)
Other	6 (11,5%) Yes	103 (7,2%)

I do not know	2 (3,8%)	Yes	26 (1,8%)
No answer given	3 (5,8%)		67 (4,7%)

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

Nutrition training is available	27 (51,9%)	Yes	821 (57,4%)
Reporting of nutrition related information to hospital managers	29 (55,8%)	Yes	608 (42,5%)
Quality indicators are recorded and reported to national or regional level	11 (21,2%)	Yes	448 (31,3%)
Quality indicators are used for internal benchmarking	31 (59,6%)	Yes	513 (35,9%)
Patient feedback about food and food service is collected using a questionnaire	37 (71,2%)	Yes	884 (61,8%)
None	1 (1,9%)	Yes	41 (2,9%)
I do not know	5 (9,6%)	Yes	61 (4,3%)
No answer given	3 (5,8%)		151 (10,6%)

16. At admission what is asked and documented?

Change in weight	32 (61,5%)	Yes	1104 (77,2%)
Eating habits/difficulties	25 (48,1%)	Yes	1041 (72,8%)
Nutrition before admission	13 (25,0%)	Yes	823 (57,6%)
None	1 (1,9%)	Yes	18 (1,3%)
I do not know	10 (19,2%)	Yes	33 (2,3%)
No answer given	3 (5,8%)		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	40 (76,9%)	Yes	1037 (72,5%)
nutrition treatment	27 (51,9%)	Yes	837 (58,5%)
None	-		65 (4,5%)
I do not know	2 (3,8%)	Yes	42 (2,9%)

b. Discharge Letter ...

summarizes nutrition treatment received during stay	15 (28,8%)	Yes	592 (41,4%)
makes future nutrition-related recommendations	43 (82,7%)	Yes	816 (57,1%)
None	-		137 (9,6%)
I do not know	4 (7,7%)	Yes	128 (9,0%)

18. Do you provide brochures about malnutrition to at risk/malnourished patients?	14 (30,4%)	Yes	519 (45,2%)	Yes
--	------------	-----	-------------	-----

19. Who filled in this sheet?

Head staff	11 (21,2%)	Yes	411 (28,7%)
Dietician	36 (69,2%)	Yes	717 (50,1%)
Nurse	6 (11,5%)	Yes	388 (27,1%)

Physician	6 (11,5%) Yes	175 (12,2%)
Administrative staff	2 (3,8%) Yes	13 (0,91%)
Other	2 (3,8%) Yes	71 (5,0%)
None	-	-
I do not know	3 (5,8%) Yes	15 (1,0%)

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

	YOUR RESULTS	REFERENCE RESULTS
Total	1881	27195
Age	59 [41-71]	67 [53-78]
Female	879 (46,7%)	13525 (49,7%)
Weight	65,1±14,8	69,9±18,9
Height	163±9	165±10
BMI	24,5±5,0	25,5±5,9

1. This hospital admission was...

planned	194 (10,3%)	9881 (36,3%)
an emergency	1504 (80,0%)	14977 (55,1%)
I do not know	183 (9,7%)	2337 (8,6%)
No answer given	-	-

2a. Diagnosis at admission

0100 Infectious and parasitic diseases	225 (12,0%)	2442 (9,0%)
0200 Neoplasms	279 (14,8%)	4873 (17,9%)
0300 Blood and bloodforming organs and the immune mechanism	133 (7,1%)	1724 (6,3%)
0400 Endocrine, nutritional and metabolic diseases	220 (11,7%)	3266 (12,0%)
0500 Mental health	35 (1,9%)	1218 (4,5%)
0600 Nervous system	102 (5,4%)	2493 (9,2%)
0700 Eye and adnexa	15 (0,80%)	339 (1,2%)
0800 Ear and mastoid process	5 (0,27%)	172 (0,63%)
0900 Circulatory system	392 (20,8%)	5629 (20,7%)
1000 Respiratory system	245 (13,0%)	4217 (15,5%)
1100 Digestive system	375 (19,9%)	6840 (25,2%)
1200 Skin and subcutaneous tissue	120 (6,4%)	1244 (4,6%)
1300 Musculoskeletal system and connective tissue	197 (10,5%)	4246 (15,6%)
1400 Genitourinary system	154 (8,2%)	2809 (10,3%)
1500 Pregnancy, childbirth and the puerperium	36 (1,9%)	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	49 (2,6%)	1319 (4,9%)
1900 Injury, poisoning	29 (1,5%)	724 (2,7%)
2000 External causes of morbidity and mortality (e.g. transport accidents, assaults)	144 (7,7%)	671 (2,5%)
2100 Factors influencing health status and contact with health services	12 (0,64%)	990 (3,6%)
No answer given	-	-

3. Which conditions/comorbidities does this patient have?

Cardiac insufficiency	276 (14,8%)	5264 (21,3%)
Myocardial infarction	94 (5,0%)	1338 (5,5%)
Chronic lung disease	171 (9,1%)	3466 (14,1%)
Cerebral vascular disease	83 (4,4%)	2274 (9,3%)
Peripheral vascular disease	95 (5,1%)	2842 (11,6%)
Chronic liver disease	57 (3,0%)	1477 (6,1%)
Chronic kidney disease	155 (8,3%)	2817 (11,6%)
Diabetes	293 (15,6%)	5968 (24,2%)
Cancer	305 (16,3%)	5709 (23,2%)
Infection	254 (13,6%)	3578 (14,6%)
Dementia	23 (1,2%)	1229 (5,1%)
Major depressive disorder	33 (1,8%)	1233 (5,1%)
Other chronic mental disorder	43 (2,3%)	1229 (5,1%)
Other chronic disease	432 (23,0%)	6369 (25,9%)
None	454 (24,1%)	4869 (17,9%)

4a. Previous operation during this hospital stay

Yes, planned	298 (15,8%)	5304 (19,5%)
Yes, acute	150 (8,0%)	1634 (6,0%)
No	1343 (71,4%)	17917 (65,9%)
I do not know	30 (1,6%)	313 (1,2%)
Missing	60 (3,2%)	2027 (7,5%)

Days since operation	14 [3-31]	3 [1-11]
----------------------	-----------	----------

4b. Planned operation during this hospital stay

Yes, today or tomorrow	322 (17,1%)	1998 (7,3%)
Yes, later	276 (14,7%)	1411 (5,2%)
No	1180 (62,7%)	19908 (73,2%)
I do not know	42 (2,2%)	1082 (4,0%)
Missing	61 (3,2%)	2796 (10,3%)

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

230 (12,6%)	2731 (10,6%)
-------------	--------------

6. Is this patient terminally ill?

155 (8,2%)	1729 (6,4%)
------------	-------------

7. Fluid status

Normal	1691 (89,9%)	20820 (76,6%)
Overloaded	39 (2,1%)	1466 (5,4%)
Dehydrated	65 (3,5%)	1298 (4,8%)
I do not know	86 (4,6%)	3611 (13,3%)
Missing	-	-

8. Number of different medications planned

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

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

Malnourished	255 (13,6%)	3264 (12,0%)
At risk	331 (17,6%)	4856 (17,9%)
No	1235 (65,7%)	16820 (61,8%)
I do not know	60 (3,2%)	2255 (8,3%)
Missing	-	-

10. IV Fluids

Electrolyte solution (NaCl, Ringers lactate, etc)	929 (49,4%)	9496 (34,9%)
5% Glucose solution	54 (2,9%)	2615 (9,6%)

11. Number of ONS drinks planned

1 [0-2]	0 [0-0]
---------	---------

12. Nutrition intake

Regular hospital food	1042 (55,4%)	15788 (58,1%)
Fortified/enriched hospital food	148 (7,9%)	3133 (11,5%)
Protein/energy supplement (e.g. ONS drinks)	256 (13,6%)	4012 (14,8%)
Enteral nutrition	73 (3,9%)	1315 (4,8%)
Parenteral nutrition	50 (2,7%)	1286 (4,7%)
Special diet	588 (31,3%)	8834 (32,5%)
None	64 (3,4%)	1283 (4,7%)

13a. All lines and Tubes

Central Venous	129 (7,1%)	2360 (9,2%)
Peripheral venous access	889 (48,7%)	12501 (48,7%)
Nasogastric	43 (2,4%)	680 (2,6%)
Nasojejunal	8 (0,44%)	135 (0,53%)
Nasoduodenal	2 (0,11%)	99 (0,39%)
Enterostoma	6 (0,33%)	126 (0,49%)
Percutaneous endoscopy/surgical gastrostomy	19 (1,0%)	234 (0,91%)
Percutaneous endoscopy/surgical jejunostomy	10 (0,55%)	95 (0,37%)
None	861 (45,8%)	12303 (45,2%)

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

Yes, previously	33 (1,8%)	362 (1,3%)
Yes, ongoing	18 (0,96%)	227 (0,83%)
No	1553 (82,6%)	21227 (78,1%)
I do not know	213 (11,3%)	2312 (8,5%)
Missing	64 (3,4%)	3067 (11,3%)

14. Please indicate if any of the following was done for this patient since admission		
Energy requirements were determined	810 (44,4%)	9593 (37,3%)
Protein requirements were determined	775 (42,5%)	8543 (33,3%)
Food/Nutrition intake was recorded in the patient record	858 (47,0%)	11079 (43,1%)
Nutrition treatment plan was developed	758 (41,5%)	9042 (35,2%)
Nutrition expert was consulted	731 (40,1%)	9313 (36,3%)
Malnutrition status is recorded in the patient record	574 (31,5%)	8238 (32,1%)
None	-	-

15a. Energy goal

< 500 kcal	20 (1,1%)	1046 (3,8%)
500-999 kcal	4 (0,21%)	269 (0,99%)
1000-1499 kcal	109 (5,8%)	2400 (8,8%)
1500-1999 kcal	1004 (53,4%)	8218 (30,2%)
>=2000 kcal	72 (3,8%)	2704 (9,9%)
Not determined	421 (22,4%)	8749 (32,2%)
I do not know	195 (10,4%)	2265 (8,3%)
Missing	56 (3,0%)	1544 (5,7%)

15b. Energy intake

< 500 kcal	78 (4,1%)	1697 (6,2%)
500-999 kcal	23 (1,2%)	1257 (4,6%)
1000-1499 kcal	154 (8,2%)	3424 (12,6%)
1500-1999 kcal	766 (40,7%)	5999 (22,1%)
>=2000 kcal	67 (3,6%)	1448 (5,3%)
Not determined	513 (27,3%)	8533 (31,4%)
I do not know	224 (11,9%)	3276 (12,0%)
Missing	56 (3,0%)	1561 (5,7%)

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

Improved	1328 (70,6%)	12837 (47,2%)
Deteriorated	105 (5,6%)	1433 (5,3%)
Remained the same	305 (16,2%)	7057 (25,9%)
This patient has just been admitted	21 (1,1%)	1699 (6,2%)
I do not know	66 (3,5%)	2663 (9,8%)
Missing	56 (3,0%)	1506 (5,5%)

Length of hospital stay (days)	14 [8-27]	12 [6-23]
--------------------------------	-----------	-----------

Outcome Code

1= Still in the hospital	236 (12,5%)	2601 (9,6%)
2= Transferred to another hospital	56 (3,0%)	571 (2,1%)
3= Transferred to long term care	11 (0,58%)	1107 (4,1%)

4= Rehabilitation	10 (0,53%)	1222 (4,5%)
5= Discharged home	1427 (75,9%)	20149 (74,1%)
6= Death	69 (3,7%)	845 (3,1%)
7= Others	28 (1,5%)	507 (1,9%)
Missing	44 (2,3%)	193 (0,71%)

Readmitted since ND

1= No	1283 (81,6%)	18115 (75,8%)
2= Yes, same hospital planned	49 (3,1%)	1637 (6,9%)
3= Yes, same hospital unplanned	83 (5,3%)	1465 (6,1%)
4= Yes, different hospital planned	13 (0,83%)	112 (0,47%)
5= Yes, different hospital unplanned	13 (0,83%)	112 (0,47%)
6= Unknown	3 (0,19%)	796 (3,3%)
Missing	138 (8,8%)	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	1050 (57,6%)	17526 (66,5%)
I am vegetarian	3 (0,16%)	510 (1,9%)
I adhere to a vegan diet	6 (0,33%)	193 (0,73%)
I eat gluten-free diet	7 (0,38%)	244 (0,93%)
I avoid added sugars	465 (25,5%)	3934 (14,9%)
I avoid carbohydrates	152 (8,3%)	1502 (5,7%)
I eat a low fat-diet	291 (16,0%)	2899 (11,0%)
I am lactose intolerant	133 (7,3%)	946 (3,6%)
Other special diet due to intolerances/allergies	31 (1,7%)	469 (1,8%)
Other	152 (8,3%)	1854 (7,0%)
No answer given	65 (3,6%)	1891 (7,2%)
2. Where did you live before your current hospital admission?		
At home	1480 (81,2%)	22025 (83,6%)
In a nursing home or other live-in facility	19 (1,0%)	836 (3,2%)
I was transferred from another hospital	207 (11,4%)	1411 (5,4%)
Other	50 (2,7%)	374 (1,4%)
Missing	66 (3,6%)	1694 (6,4%)
3. In general, are you able to walk?		
Yes	1088 (59,7%)	16014 (60,8%)
Yes, with someone's help	320 (17,6%)	2580 (9,8%)
Yes, independently using a cane, walker, or crutches	125 (6,9%)	3466 (13,2%)
No, I have a wheelchair	45 (2,5%)	1033 (3,9%)
No, I am bedridden	175 (9,6%)	1462 (5,6%)
Missing	69 (3,8%)	1785 (6,8%)
4. In general, how would you say your health is?		
Very good	144 (7,9%)	1854 (7,0%)
Good	741 (40,7%)	8966 (34,0%)
Fair	722 (39,6%)	9409 (35,7%)
Poor	126 (6,9%)	3513 (13,3%)
Very poor	23 (1,3%)	824 (3,1%)
Missing	66 (3,6%)	1774 (6,7%)
5. Over the last 12 months prior to your current hospital admission approximately...		
... how many times have you seen a doctor?	4 [2-9]	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?	8 [3-18]	5 [0-15]
--	----------	----------

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

1-2	433 (23,8%)	4936 (18,7%)
3-5	410 (22,5%)	6672 (25,3%)
More than 5	335 (18,4%)	7906 (30,0%)
None	486 (26,7%)	3926 (14,9%)
I do not know	87 (4,8%)	1077 (4,1%)
Missing	71 (3,9%)	1823 (6,9%)

7. Do you have health insurance?

Yes, private insurance only	355 (19,5%)	4253 (16,1%)
Yes, public insurance only	1167 (64,1%)	12350 (46,9%)
Yes, both	98 (5,4%)	3229 (12,3%)
None	117 (6,4%)	2938 (11,2%)
I prefer not to answer	13 (0,71%)	1314 (5,0%)
Missing	72 (4,0%)	2256 (8,6%)

8. What was your weight 5 years ago?

	68 [60-80]	72 [60-85]
--	------------	------------

I do not know	533 (29,3%)	6267 (23,8%)
---------------	-------------	--------------

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

Yes, intentionally	130 (7,1%)	2468 (9,4%)
Yes, unintentionally	907 (49,8%)	10065 (38,2%)
No, my weight stayed the same	417 (22,9%)	7869 (29,9%)
No, I gained weight	207 (11,4%)	2857 (10,8%)
I do not know	143 (7,8%)	2512 (9,5%)
Missing	18 (0,99%)	569 (2,2%)

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

	7 [4-11]	6 [4-10]
--	----------	----------

I do not know	191 (18,4%)	1997 (15,9%)
---------------	-------------	--------------

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

	467 (27,2%)	9602 (40,6%)
--	-------------	--------------

11. Please indicate if you ...

... were weighed at admission	1100 (62,8%)	14112 (57,4%)
... were informed about your nutrition status	707 (40,5%)	8364 (34,3%)
... were informed about nutrition care options	514 (29,4%)	7769 (31,9%)
... received special nutrition care	559 (32,3%)	7463 (30,7%)

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

More than normal	118 (6,5%)	1163 (4,4%)
Normal	1094 (60,1%)	15832 (60,4%)

About 3/4 of normal	193 (10,6%)	2728 (10,4%)
About half of normal	205 (11,3%)	3287 (12,5%)
About a quarter to nearly nothing	172 (9,5%)	2496 (9,5%)
I do not know	15 (0,82%)	264 (1,0%)
Missing	23 (1,3%)	443 (1,7%)

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

Very satisfied	745 (40,9%)	6066 (23,1%)
Somewhat satisfied	437 (24,0%)	8166 (31,2%)
Neutral	296 (16,3%)	4867 (18,6%)
Dissatisfied	106 (5,8%)	2103 (8,0%)
Very dissatisfied	41 (2,3%)	726 (2,8%)
I do not know	107 (5,9%)	2021 (7,7%)
Missing	88 (4,8%)	2264 (8,6%)

14. Did you get any help with eating TODAY?

Yes, from family or friends	335 (18,4%)	2448 (9,3%)
Yes, from hospital staff	40 (2,2%)	1670 (6,4%)
No	1306 (71,8%)	19193 (73,2%)
I do not know	41 (2,3%)	302 (1,2%)
Missing	98 (5,4%)	2600 (9,9%)

15. Were you able to eat without interruption TODAY? (Yes)	1247 (72,5%)	17231 (74,2%)
---	--------------	---------------

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

About all	1001 (55,0%)	12095 (46,1%)
1/2	406 (22,3%)	6486 (24,7%)
1/4	182 (10,0%)	3353 (12,8%)
Nothing	148 (8,1%)	3130 (11,9%)
Missing	83 (4,6%)	1149 (4,4%)

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

Standard	1028 (56,5%)	15979 (61,0%)
Smaller	129 (7,1%)	2367 (9,0%)
Larger	40 (2,2%)	1119 (4,3%)
I do not know	237 (13,0%)	2429 (9,3%)
Missing	386 (21,2%)	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	118 (16,0%)	2061 (15,9%)
I did not like the smell/taste of the food	76 (10,3%)	1569 (12,1%)
The food did not fit my cultural/religious preferences	21 (2,9%)	143 (1,1%)
The food was too hot	4 (0,54%)	59 (0,45%)

The food was too cold	16 (2,2%)	296 (2,3%)
Due to food allergy/intolerance	15 (2,0%)	96 (0,74%)
I was not hungry at that time	87 (11,8%)	2205 (17,0%)
I do not have my usual appetite	227 (30,8%)	3830 (29,5%)
I have problems chewing/swallowing	46 (6,3%)	761 (5,9%)
I normally eat less than what was served	58 (7,9%)	1427 (11,0%)
I had nausea/vomiting	89 (12,1%)	1029 (7,9%)
I was too tired	26 (3,5%)	789 (6,1%)
I cannot eat without help	15 (2,0%)	208 (1,6%)
I was not allowed to eat	50 (6,8%)	1289 (9,9%)
I had an exam, surgery, or test and missed my meal	68 (9,2%)	766 (5,9%)
I did not get requested food	8 (1,1%)	139 (1,1%)
No answer given	118 (16,0%)	1829 (14,1%)

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

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

19a. Did you eat any food apart from hospital food TODAY? 405 (24,3%) 6580 (28,9%)

19b. If yes, what did you eat?

Sweet snacks	90 (22,2%)	1928 (29,3%)
Salty snacks	61 (15,1%)	749 (11,4%)
Homemade food	51 (12,6%)	963 (14,6%)
Fruits	148 (36,5%)	2551 (38,8%)
Dairy products	46 (11,4%)	724 (11,0%)
Food delivered/restaurant	17 (4,2%)	293 (4,5%)
Sandwich	4 (0,99%)	421 (6,4%)
Other	88 (21,7%)	1042 (15,8%)

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

Increased	319 (17,5%)	3706 (14,1%)
Decreased	626 (34,4%)	7774 (29,7%)
Stayed the same	687 (37,7%)	10331 (39,4%)
I do not know	82 (4,5%)	1690 (6,4%)
Missing	106 (5,8%)	2712 (10,3%)

21. TODAY I feel...

Stronger than at admission	1065 (58,5%)	11240 (42,9%)
Weaker than at admission	326 (17,9%)	4893 (18,7%)
Same as at admission	357 (19,6%)	7428 (28,3%)
I was admitted today	8 (0,44%)	662 (2,5%)
I do not know	38 (2,1%)	1384 (5,3%)
Missing	26 (1,4%)	606 (2,3%)

22. Can you walk without assistance TODAY?

Yes	1106 (60,8%)	15438 (58,9%)
No, only with assistance	423 (23,2%)	6458 (24,6%)
No, I stay in bed	262 (14,4%)	3018 (11,5%)
Missing	29 (1,6%)	1299 (5,0%)

23. Did anyone help you complete this questionnaire?	1531 (87,7%)	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	3 units (75%) 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	-	102 (30,8%)
Never	4 (100%)	187 (56,5%)
Unknown	-	12 (3,63%)
Missing	-	14 (4,23%)

CT SCAN

Regularly	-	13 (3,93%)
At chemotherapy	-	4 (1,21%)
When necessary	-	84 (25,4%)
Never	4 (100%)	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	3 (75,0%)	227 (68,6%)
Unknown	-	27 (8,16%)
Missing	1 (25,0%)	15 (4,53%)

Other (body composition)

Regularly	1 (25,0%)	6 (1,81%)
At chemotherapy	-	1 (0,30%)

When necessary	-	47 (14,2%)
Never	1 (25,0%)	113 (34,1%)
Unknown	-	47 (14,2%)
Missing	2 (50,0%)	117 (35,3%)

Body function:

Handgrip

Regularly	-	16 (4,83%)
At chemotherapy	-	9 (2,72%)
When necessary	2 (50,0%)	98 (29,6%)
Never	2 (50,0%)	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	-	76 (23,0%)
Never	4 (100%)	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	-	107 (32,3%)
At chemotherapy	-	3 (0,91%)
When necessary	1 (25,0%)	160 (48,3%)
Never	1 (25,0%)	15 (4,53%)
Unknown	-	5 (1,51%)
Missing	2 (50,0%)	41 (12,4%)

Nutritional intake:

Every meal

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

Unknown	-	17 (5,14%)
Missing	-	45 (13,6%)
1 meal per day		
Regularly	2 (50,0%)	26 (7,85%)
At chemotherapy	-	3 (0,91%)
When necessary	-	112 (33,8%)
Never	1 (25,0%)	67 (20,2%)
Unknown	-	21 (6,34%)
Missing	1 (25,0%)	102 (30,8%)
2 meals per day		
Regularly	1 (25,0%)	26 (7,85%)
At chemotherapy	1 (25,0%)	1 (0,30%)
When necessary	-	109 (32,9%)
Never	1 (25,0%)	69 (20,8%)
Unknown	-	20 (6,04%)
Missing	1 (25,0%)	106 (32,0%)
24h recall		
Regularly	2 (50,0%)	67 (20,2%)
At chemotherapy	-	8 (2,42%)
When necessary	1 (25,0%)	130 (39,3%)
Never	-	43 (13,0%)
Unknown	-	16 (4,83%)
Missing	1 (25,0%)	67 (20,2%)
Other (nutritional intake)		
Regularly	-	12 (3,63%)
At chemotherapy	-	1 (0,30%)
When necessary	-	61 (18,4%)
Never	2 (50,0%)	55 (16,6%)
Unknown	1 (25,0%)	43 (13,0%)
Missing	1 (25,0%)	159 (48,0%)
Questionnaire completed by		
Dietitian	-	142 (42,9%)
Nurse	1 (25,0%)	83 (25,1%)
Physician	-	75 (22,7%)
Nutritional scientist	3 (75,0%)	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:	91	3278
Demographic data:		
Age (years)	59 [19-120]	64 [18-102]
Female gender	52 (57,1%)	1437 (43,8%)
Weight (kg)	61,5 ± 14,1	65,7 ± 16,5
Height (cm)	161,3 ± 8,5	165,3 ± 9,9
BMI (kg/m ²)	23,7 ± 5,2	23,9 ± 4,9
Outpatient (o)/Ward (w)		
Outpatient(o)	-	166 (5,06%)
Ward (w)	91 (100%)	3101 (94,6%)
Missing	-	11 (0,34%)
Goal of Therapy		
Curative	63 (69,2%)	1959 (59,8%)
Palliative	20 (22,0%)	1091 (33,3%)
Terminal	8 (8,79%)	153 (4,67%)
Missing	-	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	33 (36,3%)	1019 (31,1%)
3-5 months	17 (18,7%)	544 (16,6%)
6-12 months	15 (16,5%)	551 (16,8%)
1-2 years	12 (13,2%)	436 (13,3%)
2-4 years	9 (9,89%)	308 (9,40%)
> 4 years	5 (5,49%)	319 (9,73%)
Missing	-	66 (2,01%)

Cancer staging

0=Carcinoma in situ	4 (4,40%)	152 (4,64%)
I=Localized	23 (25,3%)	654 (20,0%)
II=Early locally advanced	11 (12,1%)	584 (17,8%)
III=Late locally advanced	13 (14,3%)	523 (16,0%)
IV=Metastasised	24 (26,4%)	993 (30,3%)
Missing	16 (17,6%)	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	81 (89,0%)	2414 (73,6%)
Local	7 (7,69%)	506 (15,4%)
General	3 (3,30%)	274 (8,36%)
Missing	-	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:	91	3248
Body weight prior to becoming ill	64 [45-98]	70 [20-180]
Actual body weight	57 [40-95]	64 [11-175]
Change in weight was		
Intentional	1 (1,10%)	130 (3,97%)
Unintentional	67 (73,6%)	2109 (64,3%)
Weight is stable	13 (14,3%)	524 (16,0%)
Missing	2 (2,20%)	99 (3,02%)
During the last week		
Patients who have had pain:		
Not at all	22 (24,2%)	1075 (32,8%)
A little	30 (33,0%)	966 (29,5%)
Quite a bit	19 (20,9%)	585 (17,8%)
Very much	13 (14,3%)	379 (11,6%)
Missing	5 (5,49%)	242 (7,38%)
Patients who needed a rest:		
Not at all	32 (35,2%)	676 (20,6%)
A little	24 (26,4%)	995 (30,4%)
Quite a bit	21 (23,1%)	774 (23,6%)
Very much	6 (6,59%)	535 (16,3%)
Missing	7 (7,69%)	256 (7,81%)
Patients who felt weak:		
Not at all	22 (24,2%)	688 (21,0%)
A little	31 (34,1%)	995 (30,4%)
Quite a bit	25 (27,5%)	783 (23,9%)
Very much	6 (6,59%)	535 (16,3%)
Missing	6 (6,59%)	244 (7,44%)
Patients who felt depressed:		
Not at all	29 (31,9%)	1154 (35,2%)
A little	35 (38,5%)	1026 (31,3%)
Quite a bit	14 (15,4%)	499 (15,2%)
Very much	7 (7,69%)	282 (8,60%)
Missing	5 (5,49%)	255 (7,78%)

Patients who were tired:

Not at all	19 (20,9%)	700 (21,4%)
A little	35 (38,5%)	1048 (32,0%)
Quite a bit	23 (25,3%)	755 (23,0%)
Very much	6 (6,59%)	494 (15,1%)
Missing	7 (7,69%)	243 (7,41%)

Patients whose pain interfered with their daily activities:

Not at all	27 (29,7%)	1203 (36,7%)
A little	21 (23,1%)	789 (24,1%)
Quite a bit	25 (27,5%)	548 (16,7%)
Very much	10 (11,0%)	421 (12,8%)
Missing	5 (5,49%)	267 (8,15%)

Patients who lacked appetite:

Not at all	31 (34,1%)	1102 (33,6%)
A little	29 (31,9%)	840 (25,6%)
Quite a bit	19 (20,9%)	567 (17,3%)
Very much	8 (8,79%)	465 (14,2%)
Missing	3 (3,30%)	261 (7,96%)

Just now**Patients who have pain:**

Not at all	34 (37,4%)	1281 (39,1%)
A little	33 (36,3%)	1090 (33,3%)
Quite a bit	11 (12,1%)	444 (13,5%)
Very much	7 (7,69%)	167 (5,09%)
Missing	5 (5,49%)	258 (7,87%)

Patients who need a rest:

Not at all	23 (25,3%)	671 (20,5%)
A little	37 (40,7%)	1142 (34,8%)
Quite a bit	20 (22,0%)	759 (23,2%)
Very much	5 (5,49%)	393 (12,0%)
Missing	5 (5,49%)	266 (8,11%)

Patients who feel weak:

Not at all	27 (29,7%)	760 (23,2%)
A little	34 (37,4%)	1079 (32,9%)
Quite a bit	18 (19,8%)	740 (22,6%)
Very much	6 (6,59%)	386 (11,8%)
Missing	5 (5,49%)	265 (8,08%)

Patients who are depressed:

Not at all	33 (36,3%)	1318 (40,2%)
A little	33 (36,3%)	1001 (30,5%)
Quite a bit	14 (15,4%)	431 (13,1%)
Very much	4 (4,40%)	199 (6,07%)
Missing	5 (5,49%)	270 (8,24%)

Patients who are tired:

Not at all	20 (22,0%)	799 (24,4%)
A little	43 (47,3%)	1157 (35,3%)
Quite a bit	16 (17,6%)	651 (19,9%)
Very much	4 (4,40%)	352 (10,7%)
Missing	5 (5,49%)	270 (8,24%)

Patients whose pain interferes with their daily activities:

Not at all	28 (30,8%)	1232 (37,6%)
A little	33 (36,3%)	858 (26,2%)
Quite a bit	14 (15,4%)	531 (16,2%)
Very much	6 (6,59%)	318 (9,70%)
Missing	5 (5,49%)	288 (8,79%)

Patients who lack appetite:

Not at all	31 (34,1%)	1159 (35,4%)
A little	26 (28,6%)	880 (26,8%)
Quite a bit	17 (18,7%)	550 (16,8%)
Very much	6 (6,59%)	355 (10,8%)
Missing	3 (3,30%)	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	49 (53,8%)	121 (3,69%)

Maximum activity performed by patients

Able to do sports	4 (4,40%)	135 (4,12%)
Fully active	15 (16,5%)	462 (14,1%)
Able to carry out light activities	15 (16,5%)	675 (20,6%)
Able to carry out self care	31 (34,1%)	777 (23,7%)
Able to carry out limited self care	9 (9,89%)	487 (14,9%)

Confined to bed or chair	13 (14,3%)	463 (14,1%)
Missing	1 (1,10%)	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	17 (18,7%)	701 (21,4%)
--	------------	-------------

Patients needing help to complete questionnaire	70 (76,9%)	1819 (55,5%)
---	------------	--------------

Patients believing that including nutrition in their therapeutic approach could provide relevant benefit to them:	80 (87,9%)	2090 (63,8%)
---	------------	--------------