



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:	13
Number of participated units:	31
Number of patients:	531
Number of patients who gave consent:	492
Number of patients completing Sheet 3a:	460
Number of patients completing Sheet 3b:	459
Number of cancer patients:	139
Number of patients completing Sheet 2_onco:	63
Number of patients completing Sheet 3_onco:	55
Number of patients with 30-day outcome assessment:	445

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	361 [255-908]	333 [194-630]
2. Total number of admissions in the hospital last year	19127 [9524-33000]	18005 [9101-36130]
3. Total number of staff in the hospital		
Total medical doctors	158 [42-363]	173 [80-399]
Medical specialists	151 [43-329]	116 [53-250]
Medical non-specialists	109 [47-238]	37 [14-84]
Nurses	297 [120-494]	420 [183-836]
Dieticians	5 [4-9]	5 [2-9]
Nutritionists	1 [1-5]	1 [0-4]
Pharmacists	11 [4-22]	7 [4-21]
Kitchen staff	44 [26-63]	31 [15-59]
Full time equivalent		
Total medical doctors	249 [70-522]	148 [60-373]
Medical specialists	127 [39-266]	98 [45-251]
Medical non-specialists	239 [68-513]	36 [11-99]
Nurses	271 [81-523]	364 [180-788]
Dieticians	5 [3-6]	5 [2-8]
Nutritionists	1 [1-2]	1 [0-3]
Pharmacists	12 [3-18]	6 [3-18]
Kitchen staff	34 [24-41]	29 [15-55]
4. Does the hospital have a nutrition care strategy?	3 (33,3%) Yes	498 (79,4%) Yes
5. Which nutrition-related standards or routine activities exist in your hospital?		
Nutrition training is available	6 (54,5%) Yes	434 (66,7%) Yes
Nutrition steering committee is available	3 (27,3%) Yes	388 (59,6%) Yes
Quality indicators are recorded and reported to national or regional level	1 (9,1%) Yes	263 (40,4%) Yes
Quality indicators are used for internal benchmarking	5 (45,5%) Yes	337 (51,8%) Yes
Patient feedback about food and food service is collected using a questionnaire	4 (36,4%) Yes	475 (73,0%) Yes
None	2 (18,2%) Yes	30 (4,6%) Yes
No answer given	2 (18,2%)	24 (3,7%)
6. Which codes are available /routinely used in your hospital for billing and reimbursement purposes?		
Codes available		
Nutrition Support	6 (54,5%) Yes	313 (48,1%) Yes

Oral nutrition supplements	3 (27,3%) Yes	239 (36,7%) Yes
Parenteral nutrition	7 (63,6%) Yes	375 (57,6%) Yes
Enteral nutrition	5 (45,5%) Yes	334 (51,3%) Yes
Dietary counseling	5 (45,5%) Yes	235 (36,1%) Yes
Specific dietary interventions	3 (27,3%) Yes	181 (27,8%) Yes
Screening for malnutrition	6 (54,5%) Yes	187 (28,7%) Yes
Risk of malnutrition	4 (36,4%) Yes	160 (24,6%) Yes
Malnutrition (in general)	7 (63,6%) Yes	294 (45,2%) Yes
Severity of malnutrition (i.e. mild, moderate, severe)	7 (63,6%) Yes	280 (43,0%) Yes
No information available from billing/finance/controlling	1 (9,1%) Yes	109 (16,7%) Yes
No answer given	-	42 (6,5%)

Codes routinely used

Nutrition Support	4 (36,4%) Yes	270 (41,5%) Yes
Oral nutrition supplements	2 (18,2%) Yes	209 (32,1%) Yes
Parenteral nutrition	6 (54,5%) Yes	343 (52,7%) Yes
Enteral nutrition	4 (36,4%) Yes	307 (47,2%) Yes
Dietary counseling	3 (27,3%) Yes	198 (30,4%) Yes
Specific dietary interventions	2 (18,2%) Yes	159 (24,4%) Yes
Screening for malnutrition	5 (45,5%) Yes	149 (22,9%) Yes
Risk of malnutrition	3 (27,3%) Yes	128 (19,7%) Yes
Malnutrition (in general)	5 (45,5%) Yes	255 (39,2%) Yes
Severity of malnutrition (i.e. mild, moderate, severe)	4 (36,4%) Yes	242 (37,2%) Yes
No information available from billing/finance/controlling	2 (18,2%) 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	4 (12,9%)	21.1%
Internal Medicine / Cardiology	0 (0,0%)	4.3%
Internal Medicine / Gastroenterology & hepatology	4 (12,9%)	7.8%
Internal Medicine / Geriatrics	1 (3,2%)	9.7%
Internal Medicine / Infectious diseases	0 (0,0%)	0.6%
Internal Medicine / Nephrology	0 (0,0%)	1.2%
Internal Medicine / Oncology (incl. radiotherapy)	4 (12,9%)	8.1%
Interdisciplinary	3 (9,7%)	3.4%
Long term care	0 (0,0%)	2.0%
Neurology	4 (12,9%)	3.6%
Surgery / General	4 (12,9%)	15.7%
Surgery/ Cardiac/Vascular/Thoracic	0 (0,0%)	1.4%
Surgery / Neurosurgery	0 (0,0%)	0.9%
Surgery / Orthopedic	2 (6,5%)	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	5 (16,1%)	11.1%
2. Number of registered inpatients at noon	22 [19-35]	25 [19-32]
3. Total bed capacity of the unit	26 [20-35]	30 [24-40]
4. Number of each type of staff in the unit for TODAY's morning shift		
Fully trained		
Medical doctors	2 [2-4]	4 [2-7]
Nurses	3 [3-4]	5 [3-8]
Nursing aides	0 [0-1]	2 [1-4]
Dieticians	0 [0-0]	1 [0-1]
Nutritionists	0 [0-0]	0 [0-1]
Administrative staff	1 [0-1]	1 [0-1]
Other staff involved in patient care	1 [1-2]	1 [0-2]
In training		
Medical doctors	0 [0-0]	1 [0-3]
Medical students	0 [0-1]	0 [0-2]
Nurses	1 [0-2]	1 [0-3]

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

5. Is there a nutrition support team in your hospital available? 13 (50,0%) Yes 1018 (78,3%) Yes

6. Does the unit have a nutrition care strategy? 18 (69,2%) Yes 984 (75,7%) Yes

7. Is there a person in your unit responsible for nutrition care? 7 (26,9%) Yes 922 (70,9%) Yes

8. Is there a dietician, nutritionist or dietetic assistant available for your unit? 26 (89,7%) Yes 1239 (90,8%) Yes

9. Is specific staff responsible for providing feeding assistance to patients during meal times? 3 (11,5%) Yes 780 (60,0%) Yes

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

At admission

No routine screening	5 (16,1%) Yes	109 (7,6%)
No fixed criteria	-	21 (1,5%)
Experience / visual assessment only	2 (6,5%) Yes	102 (7,1%)
Weighing / BMI only	4 (12,9%) Yes	201 (14,1%)
Nutritional Risk Screening (NRS) 2002	17 (54,8%) Yes	462 (32,3%)
Malnutrition Universal Screening Tool (MUST)	-	81 (5,7%)
Malnutrition Screening tool (MST)	-	115 (8,0%)
SNAQ	-	13 (0,91%)
Other formal tool	1 (3,2%) Yes	249 (17,4%)
I do not know	-	11 (0,77%)
Missing	2 (6,5%)	66 (4,6%)

During hospital stay

No routine monitoring	9 (29,0%) Yes	133 (9,3%)
No fixed criteria	-	118 (8,3%)
Experience / visual assessment only	2 (6,5%) Yes	235 (16,4%)
Weighing / BMI only	14 (45,2%) Yes	471 (32,9%)
Other formal tool	4 (12,9%) Yes	375 (26,2%)
I do not know	-	32 (2,2%)
Missing	2 (6,5%)	66 (4,6%)

11a. Do you routinely use guidelines or standards for nutrition care? 13 (52,0%) Yes 1043 (82,1%) Yes

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

International guidelines	1 (7,7%) Yes	257 (24,6%)
National guidelines	4 (30,8%) Yes	166 (15,9%)
Standards on hospital level	4 (30,8%) Yes	378 (36,2%)
Standards on unit level	1 (7,7%) Yes	65 (6,2%)
Individual patient nutrition care plans	2 (15,4%) Yes	155 (14,9%)
Other	1 (7,7%) Yes	11 (1,1%)
Missing	-	11 (1,1%)

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

Watchful waiting	4 (12,9%) Yes	399 (27,9%)
Discuss nutrition care activities during ward rounds	13 (41,9%) Yes	614 (42,9%)
Develop an individual nutrition care plan	11 (35,5%) Yes	720 (50,3%)
Initiate treatment / nutrition intervention	13 (41,9%) Yes	820 (57,3%)
Consult a nutrition expert (dietician, nutritionist, etc.)	15 (48,4%) Yes	828 (57,9%)
Consult a medical professional	9 (29,0%) Yes	505 (35,3%)
Calculate energy requirements	7 (22,6%) Yes	652 (45,6%)
Calculate protein requirements	8 (25,8%) Yes	630 (44,1%)

Malnourished

Watchful waiting	3 (9,7%) Yes	280 (19,6%)
Discuss nutrition care activities during ward rounds	16 (51,6%) Yes	675 (47,2%)
Develop an individual nutrition care plan	17 (54,8%) Yes	792 (55,4%)
Initiate treatment / nutrition intervention	18 (58,1%) Yes	884 (61,8%)
Consult a nutrition expert (dietician, nutritionist, etc.)	17 (54,8%) Yes	823 (57,6%)
Consult a medical professional	13 (41,9%) Yes	579 (40,5%)
Calculate energy requirements	10 (32,3%) Yes	763 (53,4%)
Calculate protein requirements	11 (35,5%) Yes	745 (52,1%)

Every patient

Watchful waiting	7 (22,6%) Yes	700 (49,0%)
Discuss nutrition care activities during ward rounds	3 (9,7%) Yes	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	5 (16,1%) Yes	105 (7,3%)
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Discuss nutrition care activities during ward rounds	4 (12,9%) Yes	77 (5,4%)
Develop an individual nutrition care plan	3 (9,7%) Yes	62 (4,3%)
Initiate treatment / nutrition intervention	3 (9,7%) Yes	19 (1,3%)
Consult a nutrition expert (dietician, nutritionist, etc.)	-	20 (1,4%)
Consult a medical professional	1 (3,2%) Yes	146 (10,2%)
Calculate energy requirements	8 (25,8%) Yes	141 (9,9%)
Calculate protein requirements	8 (25,8%) Yes	165 (11,5%)

I do not know

Watchful waiting	8 (25,8%) Yes	71 (5,0%)
Discuss nutrition care activities during ward rounds	2 (6,5%) Yes	54 (3,8%)
Develop an individual nutrition care plan	6 (19,4%) Yes	41 (2,9%)
Initiate treatment / nutrition intervention	5 (16,1%) Yes	34 (2,4%)
Consult a nutrition expert (dietician, nutritionist, etc.)	7 (22,6%) Yes	33 (2,3%)
Consult a medical professional	10 (32,3%) Yes	86 (6,0%)
Calculate energy requirements	7 (22,6%) Yes	65 (4,5%)
Calculate protein requirements	6 (19,4%) Yes	71 (5,0%)

13. When do you routinely weigh your patients?

at admission	15 (48,4%) Yes	928 (64,9%)
Within 24 hours	4 (12,9%) Yes	210 (14,7%)
Within 48 hours	1 (3,2%) Yes	79 (5,5%)
Within 72 hours	-	39 (2,7%)
Every week	11 (35,5%) Yes	627 (43,8%)
Occasionally	3 (9,7%) Yes	158 (11,0%)
When requested	19 (61,3%) Yes	728 (50,9%)
At discharge	4 (12,9%) Yes	67 (4,7%)
Never	-	17 (1,2%)
I do not know	1 (3,2%) 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	16 (51,6%) Yes	1096 (76,6%)
Offer meal choices	23 (74,2%) Yes	1055 (73,8%)
Offer different portion sizes	13 (41,9%) Yes	934 (65,3%)
Consider food presentation	11 (35,5%) Yes	502 (35,1%)
Change food texture/consistency as needed	21 (67,7%) Yes	1175 (82,2%)
Consider patient problems with eating and drinking	24 (77,4%) Yes	1166 (81,5%)
Ensure that mealtimes are undisturbed/protected mealtime policy	9 (29,0%) Yes	324 (22,7%)
Promote positive eating environment	6 (19,4%) Yes	419 (29,3%)
Consider cultural/religious preferences	21 (67,7%) Yes	903 (63,1%)
Consider patient allergies / intolerances	27 (87,1%) Yes	1045 (73,1%)
Other	2 (6,5%) Yes	103 (7,2%)

I do not know	-	26 (1,8%)
No answer given	2 (6,5%)	67 (4,7%)

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

Nutrition training is available	18 (58,1%)	Yes	821 (57,4%)
Reporting of nutrition related information to hospital managers	3 (9,7%)	Yes	608 (42,5%)
Quality indicators are recorded and reported to national or regional level	1 (3,2%)	Yes	448 (31,3%)
Quality indicators are used for internal benchmarking	5 (16,1%)	Yes	513 (35,9%)
Patient feedback about food and food service is collected using a questionnaire	9 (29,0%)	Yes	884 (61,8%)
None	1 (3,2%)	Yes	41 (2,9%)
I do not know	2 (6,5%)	Yes	61 (4,3%)
No answer given	5 (16,1%)		151 (10,6%)

16. At admission what is asked and documented?

Change in weight	20 (64,5%)	Yes	1104 (77,2%)
Eating habits/difficulties	20 (64,5%)	Yes	1041 (72,8%)
Nutrition before admission	17 (54,8%)	Yes	823 (57,6%)
None	2 (6,5%)	Yes	18 (1,3%)
I do not know	-		33 (2,3%)
No answer given	5 (16,1%)		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	20 (64,5%)	Yes	1037 (72,5%)
nutrition treatment	7 (22,6%)	Yes	837 (58,5%)
None	2 (6,5%)	Yes	65 (4,5%)
I do not know	2 (6,5%)	Yes	42 (2,9%)

b. Discharge Letter ...

summarizes nutrition treatment received during stay	12 (38,7%)	Yes	592 (41,4%)
makes future nutrition-related recommendations	12 (38,7%)	Yes	816 (57,1%)
None	5 (16,1%)	Yes	137 (9,6%)
I do not know	5 (16,1%)	Yes	128 (9,0%)

18. Do you provide brochures about malnutrition to at risk/malnourished patients?	12 (48,0%)	Yes	519 (45,2%)	Yes
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19. Who filled in this sheet?

Head staff	9 (29,0%)	Yes	411 (28,7%)
Dietician	4 (12,9%)	Yes	717 (50,1%)
Nurse	15 (48,4%)	Yes	388 (27,1%)

Physician	2 (6,5%) Yes	175 (12,2%)
Administrative staff	1 (3,2%) Yes	13 (0,91%)
Other	4 (12,9%) Yes	71 (5,0%)
None	-	-
I do not know	-	15 (1,0%)

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

	YOUR RESULTS	REFERENCE RESULTS
Total	492	27195
Age	70 [57-80]	67 [53-78]
Female	242 (49,2%)	13525 (49,7%)
Weight	76,9±21,1	69,9±18,9
Height	170±10	165±10
BMI	26,5±6,5	25,5±5,9

1. This hospital admission was...

planned	197 (40,0%)	9881 (36,3%)
an emergency	248 (50,4%)	14977 (55,1%)
I do not know	47 (9,6%)	2337 (8,6%)
No answer given	-	-

2a. Diagnosis at admission

0100 Infectious and parasitic diseases	64 (13,0%)	2442 (9,0%)
0200 Neoplasms	112 (22,8%)	4873 (17,9%)
0300 Blood and bloodforming organs and the immune mechanism	91 (18,5%)	1724 (6,3%)
0400 Endocrine, nutritional and metabolic diseases	160 (32,5%)	3266 (12,0%)
0500 Mental health	48 (9,8%)	1218 (4,5%)
0600 Nervous system	115 (23,4%)	2493 (9,2%)
0700 Eye and adnexa	15 (3,0%)	339 (1,2%)
0800 Ear and mastoid process	3 (0,61%)	172 (0,63%)
0900 Circulatory system	225 (45,7%)	5629 (20,7%)
1000 Respiratory system	97 (19,7%)	4217 (15,5%)
1100 Digestive system	207 (42,1%)	6840 (25,2%)
1200 Skin and subcutaneous tissue	49 (10,0%)	1244 (4,6%)
1300 Musculoskeletal system and connective tissue	119 (24,2%)	4246 (15,6%)
1400 Genitourinary system	112 (22,8%)	2809 (10,3%)
1500 Pregnancy, childbirth and the puerperium	1 (0,20%)	222 (0,82%)
1600 Conditions originating in the perinatal period	2 (0,41%)	36 (0,13%)
1700 Congenital/chromosomal abnormalities	2 (0,41%)	52 (0,19%)
1800 Symptoms, signs, abnormal clinical/lab findings	124 (25,2%)	1319 (4,9%)
1900 Injury, poisoning	15 (3,0%)	724 (2,7%)
2000 External causes of morbidity and mortality (e.g. transport accidents, assaults)	1 (0,20%)	671 (2,5%)
2100 Factors influencing health status and contact with health services	106 (21,5%)	990 (3,6%)
No answer given	-	-

3. Which conditions/comorbidities does this patient have?

Cardiac insufficiency	106 (22,3%)	5264 (21,3%)
Myocardial infarction	15 (3,2%)	1338 (5,5%)
Chronic lung disease	46 (9,8%)	3466 (14,1%)
Cerebral vascular disease	67 (14,2%)	2274 (9,3%)
Peripheral vascular disease	63 (13,2%)	2842 (11,6%)
Chronic liver disease	40 (8,5%)	1477 (6,1%)
Chronic kidney disease	83 (17,6%)	2817 (11,6%)
Diabetes	88 (18,9%)	5968 (24,2%)
Cancer	139 (28,8%)	5709 (23,2%)
Infection	76 (16,1%)	3578 (14,6%)
Dementia	20 (4,2%)	1229 (5,1%)
Major depressive disorder	16 (3,4%)	1233 (5,1%)
Other chronic mental disorder	27 (5,7%)	1229 (5,1%)
Other chronic disease	160 (33,5%)	6369 (25,9%)
None	78 (15,9%)	4869 (17,9%)

4a. Previous operation during this hospital stay

Yes, planned	83 (16,9%)	5304 (19,5%)
Yes, acute	18 (3,7%)	1634 (6,0%)
No	336 (68,3%)	17917 (65,9%)
I do not know	5 (1,0%)	313 (1,2%)
Missing	50 (10,2%)	2027 (7,5%)

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

Yes, today or tomorrow	19 (3,9%)	1998 (7,3%)
Yes, later	14 (2,8%)	1411 (5,2%)
No	380 (77,2%)	19908 (73,2%)
I do not know	10 (2,0%)	1082 (4,0%)
Missing	69 (14,0%)	2796 (10,3%)

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

47 (10,5%)	2731 (10,6%)
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6. Is this patient terminally ill?

52 (10,6%)	1729 (6,4%)
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7. Fluid status

Normal	291 (59,1%)	20820 (76,6%)
Overloaded	22 (4,5%)	1466 (5,4%)
Dehydrated	30 (6,1%)	1298 (4,8%)
I do not know	149 (30,3%)	3611 (13,3%)
Missing	-	-

8. Number of different medications planned

Oral	6 [3-9]	5 [2-8]
Other	1 [1-2]	2 [1-4]

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

Malnourished	30 (6,1%)	3264 (12,0%)
At risk	64 (13,0%)	4856 (17,9%)
No	340 (69,1%)	16820 (61,8%)
I do not know	58 (11,8%)	2255 (8,3%)
Missing	-	-

10. IV Fluids

Electrolyte solution (NaCl, Ringers lactate, etc)	99 (20,1%)	9496 (34,9%)
5% Glucose solution	4 (0,81%)	2615 (9,6%)

11. Number of ONS drinks planned

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

Regular hospital food	345 (70,1%)	15788 (58,1%)
Fortified/enriched hospital food	15 (3,0%)	3133 (11,5%)
Protein/energy supplement (e.g. ONS drinks)	39 (7,9%)	4012 (14,8%)
Enteral nutrition	15 (3,0%)	1315 (4,8%)
Parenteral nutrition	20 (4,1%)	1286 (4,7%)
Special diet	96 (19,5%)	8834 (32,5%)
None	24 (4,9%)	1283 (4,7%)

13a. All lines and Tubes

Central Venous	42 (9,4%)	2360 (9,2%)
Peripheral venous access	260 (58,0%)	12501 (48,7%)
Nasogastric	7 (1,6%)	680 (2,6%)
Nasojejunal	1 (0,22%)	135 (0,53%)
Nasoduodenal	-	99 (0,39%)
Enterostoma	5 (1,1%)	126 (0,49%)
Percutaneous endoscopy/surgical gastrostomy	6 (1,3%)	234 (0,91%)
Percutaneous endoscopy/surgical jejunostomy	1 (0,22%)	95 (0,37%)
None	198 (40,2%)	12303 (45,2%)

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

Yes, previously	2 (0,41%)	362 (1,3%)
Yes, ongoing	2 (0,41%)	227 (0,83%)
No	343 (69,7%)	21227 (78,1%)
I do not know	89 (18,1%)	2312 (8,5%)
Missing	56 (11,4%)	3067 (11,3%)

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

Energy requirements were determined	23 (5,1%)	9593 (37,3%)
Protein requirements were determined	15 (3,3%)	8543 (33,3%)
Food/Nutrition intake was recorded in the patient record	97 (21,7%)	11079 (43,1%)
Nutrition treatment plan was developed	12 (2,7%)	9042 (35,2%)
Nutrition expert was consulted	45 (10,0%)	9313 (36,3%)
Malnutrition status is recorded in the patient record	41 (9,2%)	8238 (32,1%)
None	-	-

15a. Energy goal

< 500 kcal	11 (2,2%)	1046 (3,8%)
500-999 kcal	8 (1,6%)	269 (0,99%)
1000-1499 kcal	19 (3,9%)	2400 (8,8%)
1500-1999 kcal	37 (7,5%)	8218 (30,2%)
>=2000 kcal	79 (16,1%)	2704 (9,9%)
Not determined	232 (47,2%)	8749 (32,2%)
I do not know	62 (12,6%)	2265 (8,3%)
Missing	44 (8,9%)	1544 (5,7%)

15b. Energy intake

< 500 kcal	18 (3,7%)	1697 (6,2%)
500-999 kcal	12 (2,4%)	1257 (4,6%)
1000-1499 kcal	27 (5,5%)	3424 (12,6%)
1500-1999 kcal	25 (5,1%)	5999 (22,1%)
>=2000 kcal	44 (8,9%)	1448 (5,3%)
Not determined	152 (30,9%)	8533 (31,4%)
I do not know	170 (34,6%)	3276 (12,0%)
Missing	44 (8,9%)	1561 (5,7%)

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

Improved	163 (33,1%)	12837 (47,2%)
Deteriorated	31 (6,3%)	1433 (5,3%)
Remained the same	139 (28,3%)	7057 (25,9%)
This patient has just been admitted	27 (5,5%)	1699 (6,2%)
I do not know	88 (17,9%)	2663 (9,8%)
Missing	44 (8,9%)	1506 (5,5%)

Length of hospital stay (days)	15 [7-23]	12 [6-23]
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Outcome Code

1= Still in the hospital	30 (6,1%)	2601 (9,6%)
2= Transferred to another hospital	21 (4,3%)	571 (2,1%)
3= Transferred to long term care	25 (5,1%)	1107 (4,1%)

4= Rehabilitation	17 (3,5%)	1222 (4,5%)
5= Discharged home	333 (67,7%)	20149 (74,1%)
6= Death	12 (2,4%)	845 (3,1%)
7= Others	7 (1,4%)	507 (1,9%)
Missing	47 (9,6%)	193 (0,71%)

Readmitted since ND

1= No	289 (70,8%)	18115 (75,8%)
2= Yes, same hospital planned	37 (9,1%)	1637 (6,9%)
3= Yes, same hospital unplanned	26 (6,4%)	1465 (6,1%)
4= Yes, different hospital planned	4 (0,98%)	112 (0,47%)
5= Yes, different hospital unplanned	4 (0,98%)	112 (0,47%)
6= Unknown	13 (3,2%)	796 (3,3%)
Missing	29 (7,1%)	1597 (6,7%)

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

	YOUR RESULTS	REFERENCE RESULTS
1. What are your typical dietary habits?		
No special dietary habits	323 (70,2%)	17526 (66,5%)
I am vegetarian	12 (2,6%)	510 (1,9%)
I adhere to a vegan diet	-	193 (0,73%)
I eat gluten-free diet	2 (0,43%)	244 (0,93%)
I avoid added sugars	47 (10,2%)	3934 (14,9%)
I avoid carbohydrates	17 (3,7%)	1502 (5,7%)
I eat a low fat-diet	39 (8,5%)	2899 (11,0%)
I am lactose intolerant	11 (2,4%)	946 (3,6%)
Other special diet due to intolerances/allergies	11 (2,4%)	469 (1,8%)
Other	30 (6,5%)	1854 (7,0%)
No answer given	48 (10,4%)	1891 (7,2%)
2. Where did you live before your current hospital admission?		
At home	375 (81,5%)	22025 (83,6%)
In a nursing home or other live-in facility	14 (3,0%)	836 (3,2%)
I was transferred from another hospital	21 (4,6%)	1411 (5,4%)
Other	3 (0,65%)	374 (1,4%)
Missing	47 (10,2%)	1694 (6,4%)
3. In general, are you able to walk?		
Yes	238 (51,7%)	16014 (60,8%)
Yes, with someone's help	44 (9,6%)	2580 (9,8%)
Yes, independently using a cane, walker, or crutches	86 (18,7%)	3466 (13,2%)
No, I have a wheelchair	29 (6,3%)	1033 (3,9%)
No, I am bedridden	18 (3,9%)	1462 (5,6%)
Missing	45 (9,8%)	1785 (6,8%)
4. In general, how would you say your health is?		
Very good	10 (2,2%)	1854 (7,0%)
Good	104 (22,6%)	8966 (34,0%)
Fair	160 (34,8%)	9409 (35,7%)
Poor	118 (25,7%)	3513 (13,3%)
Very poor	22 (4,8%)	824 (3,1%)
Missing	46 (10,0%)	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 [3-10]	5 [2-10]
... how many times have you been admitted to the hospital (Emergency room, any ward)?	1 [0-3]	1 [0-2]

... how many nights in total have you spent in hospital?	9 [0-28]	5 [0-15]
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6. How many different medications do you take routinely each day (prior to hospitalisation)?

1-2	91 (19,8%)	4936 (18,7%)
3-5	102 (22,2%)	6672 (25,3%)
More than 5	144 (31,3%)	7906 (30,0%)
None	59 (12,8%)	3926 (14,9%)
I do not know	18 (3,9%)	1077 (4,1%)
Missing	46 (10,0%)	1823 (6,9%)

7. Do you have health insurance?

Yes, private insurance only	40 (8,7%)	4253 (16,1%)
Yes, public insurance only	335 (72,8%)	12350 (46,9%)
Yes, both	25 (5,4%)	3229 (12,3%)
None	-	2938 (11,2%)
I prefer not to answer	7 (1,5%)	1314 (5,0%)
Missing	53 (11,5%)	2256 (8,6%)

8. What was your weight 5 years ago?

	80 [68-90]	72 [60-85]
--	------------	------------

I do not know	71 (15,4%)	6267 (23,8%)
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9a. Have you lost weight within the last 3 months?

Yes, intentionally	46 (10,0%)	2468 (9,4%)
Yes, unintentionally	204 (44,3%)	10065 (38,2%)
No, my weight stayed the same	140 (30,4%)	7869 (29,9%)
No, I gained weight	46 (10,0%)	2857 (10,8%)
I do not know	22 (4,8%)	2512 (9,5%)
Missing	2 (0,43%)	569 (2,2%)

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

	7 [4-12]	6 [4-10]
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I do not know	39 (15,6%)	1997 (15,9%)
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10. Did you know about your hospitalisation two days before admission? (Yes)

	169 (42,1%)	9602 (40,6%)
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11. Please indicate if you ...

... were weighed at admission	141 (34,0%)	14112 (57,4%)
... were informed about your nutrition status	88 (21,5%)	8364 (34,3%)
... were informed about nutrition care options	64 (15,6%)	7769 (31,9%)
... received special nutrition care	59 (14,4%)	7463 (30,7%)

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

More than normal	10 (2,2%)	1163 (4,4%)
Normal	296 (64,5%)	15832 (60,4%)

About 3/4 of normal	42 (9,2%)	2728 (10,4%)
About half of normal	55 (12,0%)	3287 (12,5%)
About a quarter to nearly nothing	47 (10,2%)	2496 (9,5%)
I do not know	5 (1,1%)	264 (1,0%)
Missing	4 (0,87%)	443 (1,7%)

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

Very satisfied	70 (15,3%)	6066 (23,1%)
Somewhat satisfied	145 (31,6%)	8166 (31,2%)
Neutral	96 (20,9%)	4867 (18,6%)
Dissatisfied	51 (11,1%)	2103 (8,0%)
Very dissatisfied	16 (3,5%)	726 (2,8%)
I do not know	30 (6,5%)	2021 (7,7%)
Missing	51 (11,1%)	2264 (8,6%)

14. Did you get any help with eating TODAY?

Yes, from family or friends	12 (2,6%)	2448 (9,3%)
Yes, from hospital staff	38 (8,3%)	1670 (6,4%)
No	341 (74,3%)	19193 (73,2%)
I do not know	3 (0,65%)	302 (1,2%)
Missing	65 (14,2%)	2600 (9,9%)

15. Were you able to eat without interruption TODAY? (Yes)	290 (74,6%)	17231 (74,2%)
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16a. Please indicate how much hospital food you ate for lunch or dinner TODAY:

About all	198 (43,1%)	12095 (46,1%)
1/2	120 (26,1%)	6486 (24,7%)
1/4	79 (17,2%)	3353 (12,8%)
Nothing	34 (7,4%)	3130 (11,9%)
Missing	28 (6,1%)	1149 (4,4%)

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

Standard	292 (63,6%)	15979 (61,0%)
Smaller	17 (3,7%)	2367 (9,0%)
Larger	2 (0,44%)	1119 (4,3%)
I do not know	57 (12,4%)	2429 (9,3%)
Missing	91 (19,8%)	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	35 (15,0%)	2061 (15,9%)
I did not like the smell/taste of the food	22 (9,4%)	1569 (12,1%)
The food did not fit my cultural/religious preferences	-	143 (1,1%)
The food was too hot	1 (0,43%)	59 (0,45%)

The food was too cold	5 (2,1%)	296 (2,3%)
Due to food allergy/intolerance	3 (1,3%)	96 (0,74%)
I was not hungry at that time	40 (17,2%)	2205 (17,0%)
I do not have my usual appetite	76 (32,6%)	3830 (29,5%)
I have problems chewing/swallowing	6 (2,6%)	761 (5,9%)
I normally eat less than what was served	40 (17,2%)	1427 (11,0%)
I had nausea/vomiting	30 (12,9%)	1029 (7,9%)
I was too tired	18 (7,7%)	789 (6,1%)
I cannot eat without help	4 (1,7%)	208 (1,6%)
I was not allowed to eat	19 (8,2%)	1289 (9,9%)
I had an exam, surgery, or test and missed my meal	11 (4,7%)	766 (5,9%)
I did not get requested food	5 (2,1%)	139 (1,1%)
No answer given	28 (12,0%)	1829 (14,1%)

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

Water	5 [3-8]	3 [2-5]
Tea	2 [1-2]	1 [0-2]
Coffee	1 [1-2]	1 [1-2]
Milk	0 [0-1]	1 [0-1]
Fruit juice	1 [0-2]	1 [0-2]
Soft drinks	0 [0-2]	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? 103 (26,6%) 6580 (28,9%)

19b. If yes, what did you eat?

Sweet snacks	50 (48,5%)	1928 (29,3%)
Salty snacks	13 (12,6%)	749 (11,4%)
Homemade food	8 (7,8%)	963 (14,6%)
Fruits	35 (34,0%)	2551 (38,8%)
Dairy products	5 (4,9%)	724 (11,0%)
Food delivered/restaurant	1 (0,97%)	293 (4,5%)
Sandwich	3 (2,9%)	421 (6,4%)
Other	10 (9,7%)	1042 (15,8%)

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

Increased	35 (7,6%)	3706 (14,1%)
Decreased	162 (35,3%)	7774 (29,7%)
Stayed the same	141 (30,7%)	10331 (39,4%)
I do not know	47 (10,2%)	1690 (6,4%)
Missing	74 (16,1%)	2712 (10,3%)

21. TODAY I feel...

Stronger than at admission	150 (32,7%)	11240 (42,9%)
Weaker than at admission	118 (25,7%)	4893 (18,7%)
Same as at admission	134 (29,2%)	7428 (28,3%)
I was admitted today	16 (3,5%)	662 (2,5%)
I do not know	28 (6,1%)	1384 (5,3%)
Missing	13 (2,8%)	606 (2,3%)

22. Can you walk without assistance TODAY?

Yes	260 (56,6%)	15438 (58,9%)
No, only with assistance	128 (27,9%)	6458 (24,6%)
No, I stay in bed	46 (10,0%)	3018 (11,5%)
Missing	25 (5,4%)	1299 (5,0%)

23. Did anyone help you complete this questionnaire?	240 (59,3%)	15731 (65,1%)
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V. Oncology: Unit organisation and structures ("Sheet 1 onco")

	YOUR RESULTS	REFERENCE RESULTS
Number of units with cancer patients:	7	331
Computerized system in hospital:	7 units (100%) YES	312 units (94%) YES
Nutritional treatment of cancer patients is part of overall care plan	6 units (86%) 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	6 (85,7%)	224 (67,7%)
At chemotherapy	-	53 (16,0%)
When necessary	1 (14,3%)	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	-	118 (35,6%)
Never	5 (71,4%)	143 (43,2%)
Unknown	2 (28,6%)	10 (3,02%)
Missing	-	15 (4,53%)

BIA

Regularly	-	12 (3,63%)
At chemotherapy	-	4 (1,21%)
When necessary	3 (42,9%)	102 (30,8%)
Never	2 (28,6%)	187 (56,5%)
Unknown	2 (28,6%)	12 (3,63%)
Missing	-	14 (4,23%)

CT SCAN

Regularly	-	13 (3,93%)
At chemotherapy	-	4 (1,21%)
When necessary	-	84 (25,4%)
Never	5 (71,4%)	199 (60,1%)
Unknown	2 (28,6%)	18 (5,44%)
Missing	-	13 (3,93%)

DEXA

Regularly	-	6 (1,81%)
At chemotherapy	-	1 (0,30%)
When necessary	-	55 (16,6%)
Never	5 (71,4%)	227 (68,6%)
Unknown	2 (28,6%)	27 (8,16%)
Missing	-	15 (4,53%)

Other (body composition)

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

When necessary	-	47 (14,2%)
Never	3 (42,9%)	113 (34,1%)
Unknown	3 (42,9%)	47 (14,2%)
Missing	1 (14,3%)	117 (35,3%)

Body function:

Handgrip

Regularly	2 (28,6%)	16 (4,83%)
At chemotherapy	-	9 (2,72%)
When necessary	-	98 (29,6%)
Never	4 (57,1%)	176 (53,2%)
Unknown	1 (14,3%)	16 (4,83%)
Missing	-	16 (4,83%)

6-minutes walking test

Regularly	-	12 (3,63%)
At chemotherapy	-	7 (2,11%)
When necessary	1 (14,3%)	76 (23,0%)
Never	4 (57,1%)	193 (58,3%)
Unknown	2 (28,6%)	21 (6,34%)
Missing	-	22 (6,65%)

Other (body function)

Regularly	-	16 (4,83%)
At chemotherapy	-	1 (0,30%)
When necessary	-	60 (18,1%)
Never	3 (42,9%)	120 (36,3%)
Unknown	3 (42,9%)	45 (13,6%)
Missing	1 (14,3%)	89 (26,9%)

Nutritional requirements, calculated

Regularly	-	107 (32,3%)
At chemotherapy	1 (14,3%)	3 (0,91%)
When necessary	3 (42,9%)	160 (48,3%)
Never	1 (14,3%)	15 (4,53%)
Unknown	2 (28,6%)	5 (1,51%)
Missing	-	41 (12,4%)

Nutritional intake:

Every meal

Regularly	1 (14,3%)	84 (25,4%)
At chemotherapy	-	3 (0,91%)
When necessary	3 (42,9%)	143 (43,2%)
Never	-	39 (11,8%)

Unknown	2 (28,6%)	17 (5,14%)
Missing	1 (14,3%)	45 (13,6%)
1 meal per day		
Regularly	-	26 (7,85%)
At chemotherapy	-	3 (0,91%)
When necessary	3 (42,9%)	112 (33,8%)
Never	1 (14,3%)	67 (20,2%)
Unknown	2 (28,6%)	21 (6,34%)
Missing	1 (14,3%)	102 (30,8%)
2 meals per day		
Regularly	-	26 (7,85%)
At chemotherapy	-	1 (0,30%)
When necessary	3 (42,9%)	109 (32,9%)
Never	1 (14,3%)	69 (20,8%)
Unknown	2 (28,6%)	20 (6,04%)
Missing	1 (14,3%)	106 (32,0%)
24h recall		
Regularly	-	67 (20,2%)
At chemotherapy	-	8 (2,42%)
When necessary	4 (57,1%)	130 (39,3%)
Never	1 (14,3%)	43 (13,0%)
Unknown	2 (28,6%)	16 (4,83%)
Missing	-	67 (20,2%)
Other (nutritional intake)		
Regularly	-	12 (3,63%)
At chemotherapy	-	1 (0,30%)
When necessary	-	61 (18,4%)
Never	1 (14,3%)	55 (16,6%)
Unknown	5 (71,4%)	43 (13,0%)
Missing	1 (14,3%)	159 (48,0%)
Questionnaire completed by		
Dietitian	-	142 (42,9%)
Nurse	6 (85,7%)	83 (25,1%)
Physician	-	75 (22,7%)
Nutritional scientist	1 (14,3%)	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:	63	3278
Demographic data:		
Age (years)	67 [22-87]	64 [18-102]
Female gender	20 (31,7%)	1437 (43,8%)
Weight (kg)	78,9 ± 19,4	65,7 ± 16,5
Height (cm)	173,7 ± 9,5	165,3 ± 9,9
BMI (kg/m ²)	26,2 ± 5,2	23,9 ± 4,9
Outpatient (o)/Ward (w)		
Outpatient(o)	1 (1,59%)	166 (5,06%)
Ward (w)	62 (98,4%)	3101 (94,6%)
Missing	-	11 (0,34%)
Goal of Therapy		
Curative	35 (55,6%)	1959 (59,8%)
Palliative	26 (41,3%)	1091 (33,3%)
Terminal	-	153 (4,67%)
Missing	2 (3,17%)	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	22 (34,9%)	1019 (31,1%)
3-5 months	12 (19,0%)	544 (16,6%)
6-12 months	11 (17,5%)	551 (16,8%)
1-2 years	4 (6,35%)	436 (13,3%)
2-4 years	5 (7,94%)	308 (9,40%)
> 4 years	6 (9,52%)	319 (9,73%)
Missing	-	66 (2,01%)

Cancer staging

0=Carcinoma in situ	1 (1,59%)	152 (4,64%)
I=Localized	4 (6,35%)	654 (20,0%)
II=Early locally advanced	20 (31,7%)	584 (17,8%)
III=Late locally advanced	18 (28,6%)	523 (16,0%)
IV=Metastasised	13 (20,6%)	993 (30,3%)
Missing	7 (11,1%)	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	45 (71,4%)	2414 (73,6%)
Local	3 (4,76%)	506 (15,4%)
General	8 (12,7%)	274 (8,36%)
Missing	7 (11,1%)	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:	55	3248
Body weight prior to becoming ill	80 [47-130]	70 [20-180]
Actual body weight	74 [44-158]	64 [11-175]
Change in weight was		
Intentional	5 (7,94%)	130 (3,97%)
Unintentional	32 (50,8%)	2109 (64,3%)
Weight is stable	6 (9,52%)	524 (16,0%)
Missing	3 (4,76%)	99 (3,02%)
During the last week		
Patients who have had pain:		
Not at all	21 (33,3%)	1075 (32,8%)
A little	7 (11,1%)	966 (29,5%)
Quite a bit	13 (20,6%)	585 (17,8%)
Very much	7 (11,1%)	379 (11,6%)
Missing	15 (23,8%)	242 (7,38%)
Patients who needed a rest:		
Not at all	11 (17,5%)	676 (20,6%)
A little	7 (11,1%)	995 (30,4%)
Quite a bit	13 (20,6%)	774 (23,6%)
Very much	18 (28,6%)	535 (16,3%)
Missing	14 (22,2%)	256 (7,81%)
Patients who felt weak:		
Not at all	12 (19,0%)	688 (21,0%)
A little	7 (11,1%)	995 (30,4%)
Quite a bit	11 (17,5%)	783 (23,9%)
Very much	19 (30,2%)	535 (16,3%)
Missing	14 (22,2%)	244 (7,44%)
Patients who felt depressed:		
Not at all	16 (25,4%)	1154 (35,2%)
A little	5 (7,94%)	1026 (31,3%)
Quite a bit	8 (12,7%)	499 (15,2%)
Very much	18 (28,6%)	282 (8,60%)
Missing	15 (23,8%)	255 (7,78%)

Patients who were tired:

Not at all	9 (14,3%)	700 (21,4%)
A little	11 (17,5%)	1048 (32,0%)
Quite a bit	13 (20,6%)	755 (23,0%)
Very much	16 (25,4%)	494 (15,1%)
Missing	14 (22,2%)	243 (7,41%)

Patients whose pain interfered with their daily activities:

Not at all	20 (31,7%)	1203 (36,7%)
A little	8 (12,7%)	789 (24,1%)
Quite a bit	9 (14,3%)	548 (16,7%)
Very much	10 (15,9%)	421 (12,8%)
Missing	14 (22,2%)	267 (8,15%)

Patients who lacked appetite:

Not at all	22 (34,9%)	1102 (33,6%)
A little	10 (15,9%)	840 (25,6%)
Quite a bit	9 (14,3%)	567 (17,3%)
Very much	7 (11,1%)	465 (14,2%)
Missing	14 (22,2%)	261 (7,96%)

Just now**Patients who have pain:**

Not at all	26 (41,3%)	1281 (39,1%)
A little	9 (14,3%)	1090 (33,3%)
Quite a bit	11 (17,5%)	444 (13,5%)
Very much	3 (4,76%)	167 (5,09%)
Missing	14 (22,2%)	258 (7,87%)

Patients who need a rest:

Not at all	10 (15,9%)	671 (20,5%)
A little	8 (12,7%)	1142 (34,8%)
Quite a bit	18 (28,6%)	759 (23,2%)
Very much	12 (19,0%)	393 (12,0%)
Missing	14 (22,2%)	266 (8,11%)

Patients who feel weak:

Not at all	12 (19,0%)	760 (23,2%)
A little	11 (17,5%)	1079 (32,9%)
Quite a bit	14 (22,2%)	740 (22,6%)
Very much	12 (19,0%)	386 (11,8%)
Missing	14 (22,2%)	265 (8,08%)

Patients who are depressed:

Not at all	19 (30,2%)	1318 (40,2%)
A little	9 (14,3%)	1001 (30,5%)
Quite a bit	12 (19,0%)	431 (13,1%)
Very much	9 (14,3%)	199 (6,07%)
Missing	14 (22,2%)	270 (8,24%)

Patients who are tired:

Not at all	17 (27,0%)	799 (24,4%)
A little	6 (9,52%)	1157 (35,3%)
Quite a bit	17 (27,0%)	651 (19,9%)
Very much	9 (14,3%)	352 (10,7%)
Missing	14 (22,2%)	270 (8,24%)

Patients whose pain interferes with their daily activities:

Not at all	16 (25,4%)	1232 (37,6%)
A little	16 (25,4%)	858 (26,2%)
Quite a bit	6 (9,52%)	531 (16,2%)
Very much	8 (12,7%)	318 (9,70%)
Missing	14 (22,2%)	288 (8,79%)

Patients who lack appetite:

Not at all	21 (33,3%)	1159 (35,4%)
A little	10 (15,9%)	880 (26,8%)
Quite a bit	8 (12,7%)	550 (16,8%)
Very much	9 (14,3%)	355 (10,8%)
Missing	15 (23,8%)	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	27 (42,9%)	121 (3,69%)

Maximum activity performed by patients

Able to do sports	2 (3,17%)	135 (4,12%)
Fully active	5 (7,94%)	462 (14,1%)
Able to carry out light activities	22 (34,9%)	675 (20,6%)
Able to carry out self care	11 (17,5%)	777 (23,7%)
Able to carry out limited self care	8 (12,7%)	487 (14,9%)

Confined to bed or chair	1 (1,59%)	463 (14,1%)
Missing	14 (22,2%)	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	5 (7,94%)	701 (21,4%)
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Patients needing help to complete questionnaire	16 (25,4%)	1819 (55,5%)
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Patients believing that including nutrition in their therapeutic approach could provide relevant benefit to them:	12 (19,0%)	2090 (63,8%)
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