



Dear participant,

Thank you for your participation in nutritionDay worldwide in 2018 and for your effort. We are now able to present you your country report of the following sample size:

Number of participated center:	52
Number of participated units:	114
Number of patients who gave consent:	1716
Number of patients completing Sheet 3a:	1661
Number of patients completing Sheet 3b:	1674
Number of cancer patients:	328
Number of patients completing Sheet 2_onco:	93
Number of patients completing Sheet 3_onco:	93
Number of patients with 30-day outcome assessment:	1628

This report compares your country to international reference database based on data from nutritionDay 2016 and 2017.

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 2019. 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

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

	YOUR RESULTS	REFERENCE RESULTS
1. Total number of beds in hospital	353 [263-534]	317 [188-615]
2. Total number of admissions in the hospital last year	15643 [10992-21903]	17520 [8982-34767]
3. Total number of staff in the hospital		
Total medical doctors	180 [123-314]	170 [78-396]
Medical specialists	152 [106-281]	117 [54-244]
Medical non-specialists	21 [9-59]	35 [11-82]
Nurses	544 [316-751]	418 [195-800]
Dieticians	9 [7-15]	5 [2-9]
Nutritionists	0 [0-2]	1 [0-4]
Pharmacists	8 [4-15]	7 [4-22]
Kitchen staff	40 [23-55]	30 [14-55]
Full time equivalent		
Total medical doctors	150 [89-281]	139 [60-368]
Medical specialists	128 [84-246]	98 [48-245]
Medical non-specialists	12 [4-107]	34 [11-87]
Nurses	398 [264-618]	350 [187-778]
Dieticians	7 [5-10]	4 [2-8]
Nutritionists	0 [0-1]	1 [0-3]
Pharmacists	6 [4-12]	6 [3-18]
Kitchen staff	28 [16-47]	27 [14-50]
4. Does the hospital have a nutrition care strategy?	37 (90.2%) Yes	351 (78.7%) Yes
5. Which nutrition-related standards or routine activities exist in your hospital?		
Nutrition training is available	34 (73.9%) Yes	298 (66.8%) Yes
Nutrition steering committee is available	37 (80.4%) Yes	280 (62.8%) Yes
Quality indicators are recorded and reported to national or regional level	33 (71.7%) Yes	193 (43.3%) Yes
Quality indicators are used for internal benchmarking	18 (39.1%) Yes	235 (52.7%) Yes
Patient feedback about food and food service is collected using a questionnaire	37 (80.4%) Yes	337 (75.6%) Yes
None	5 (10.9%) Yes	19 (4.3%) Yes
No answer given	5 (10.9%)	-
6. Which codes are available /routinely used in your hospital for billing and reimbursement purposes?		
Codes available		
Nutrition Support	18 (39.1%) Yes	216 (48.4%) Yes
Oral nutrition supplements	9 (19.6%) Yes	165 (37.0%) Yes

Parenteral nutrition	24 (52.2%)	Yes	255 (57.2%)	Yes
Enteral nutrition	21 (45.7%)	Yes	224 (50.2%)	Yes
Dietary counseling	15 (32.6%)	Yes	166 (37.2%)	Yes
Specific dietary interventions	13 (28.3%)	Yes	119 (26.7%)	Yes
Screening for malnutrition	17 (37.0%)	Yes	119 (26.7%)	Yes
Risk of malnutrition	14 (30.4%)	Yes	103 (23.1%)	Yes
Malnutrition (in general)	21 (45.7%)	Yes	203 (45.5%)	Yes
Severity of malnutrition (i.e. mild, moderate, severe)	23 (50.0%)	Yes	195 (43.7%)	Yes
No information available from billing/finance/controlling	16 (34.8%)	Yes	75 (16.8%)	Yes
No answer given	-		18 (4.0%)	

Codes routinely used

Nutrition Support	16 (34.8%)	Yes	188 (42.2%)	Yes
Oral nutrition supplements	6 (13.0%)	Yes	143 (32.1%)	Yes
Parenteral nutrition	26 (56.5%)	Yes	233 (52.2%)	Yes
Enteral nutrition	23 (50.0%)	Yes	205 (46.0%)	Yes
Dietary counseling	13 (28.3%)	Yes	140 (31.4%)	Yes
Specific dietary interventions	10 (21.7%)	Yes	105 (23.5%)	Yes
Screening for malnutrition	15 (32.6%)	Yes	95 (21.3%)	Yes
Risk of malnutrition	13 (28.3%)	Yes	80 (17.9%)	Yes
Malnutrition (in general)	18 (39.1%)	Yes	176 (39.5%)	Yes
Severity of malnutrition (i.e. mild, moderate, severe)	20 (43.5%)	Yes	169 (37.9%)	Yes
No information available from billing/finance/controlling	15 (32.6%)	Yes	81 (18.2%)	Yes
No answer given	-		29 (6.5%)	

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

	YOUR RESULTS	REFERENCE RESULTS
Internal Medicine / General	11 (9.6%)	19.3%
Internal Medicine / Cardiology	3 (2.6%)	4.5%
Internal Medicine / Gastroenterology & hepatology	11 (9.6%)	6.3%
Internal Medicine / Geriatrics	36 (31.6%)	7.9%
Internal Medicine / Infectious diseases	2 (1.8%)	0.5%
Internal Medicine / Nephrology	1 (0.9%)	1.3%
Internal Medicine / Oncology (incl. radiotherapy)	6 (5.3%)	7.2%
Interdisciplinary	2 (1.8%)	3.3%
Long term care	5 (4.4%)	2.0%
Neurology	3 (2.6%)	3.6%
Surgery / General	11 (9.6%)	13.5%
Surgery/ Cardiac/Vascular/Thoracic	1 (0.9%)	2.1%
Surgery / Neurosurgery	2 (1.8%)	1.0%
Surgery / Orthopedic	2 (1.8%)	4.2%
Trauma	1 (0.9%)	1.4%
Ear Nose Throat (ENT)	1 (0.9%)	1.8%
Gynecology / Obstetrics	-	1.6%
Pediatrics	-	1.3%
Psychiatry	2 (1.8%)	0.9%
Others	14 (12.3%)	16.1%
2. Number of registered inpatients at noon	22 [19-26]	24 [18-31]
3. Total bed capacity of the unit	28 [24-30]	30 [24-38]
4. Number of each type of staff in the unit for TODAY's morning shift		
Fully trained		
Medical doctors	2 [1-3]	3 [2-7]
Nurses	4 [3-5]	5 [3-8]
Nursing aides	1 [0-2]	2 [1-3]
Dieticians	1 [1-1]	1 [0-1]
Nutritionists	0 [0-0]	0 [0-1]
Administrative staff	1 [0-1]	1 [0-1]
Other staff involved in patient care	1 [1-2]	1 [0-2]
In training		
Medical doctors	1 [0-2]	1 [0-3]
Medical students	0 [0-1]	0 [0-2]
Nurses	2 [1-3]	1 [0-3]

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

5. Is there a nutrition support team in your hospital available? 88 (88.0%) Yes 705 (76.4%) Yes

6. Does the unit have a nutrition care strategy? 81 (81.0%) Yes 678 (73.5%) Yes

7. Is there a person in your unit responsible for nutrition care? 69 (69.0%) Yes 644 (69.8%) Yes

8. Is there a dietician, nutritionist or dietetic assistant available for your unit? 104 (95.4%) Yes 831 (90.0%) Yes

9. Is specific staff responsible for providing feeding assistance to patients during meal times? 64 (64.0%) Yes 575 (62.3%) Yes

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

At admission

No routine screening	5 (4.4%) Yes	85 (8.8%) Yes
No fixed criteria	1 (0.88%) Yes	14 (1.4%) Yes
Experience / visual assessment only	-	77 (7.9%) Yes
Weighing / BMI only	14 (12.3%) Yes	141 (14.5%) Yes
Nutritional Risk Screening (NRS) 2002	62 (54.4%) Yes	309 (31.9%) Yes
Malnutrition Universal Screening Tool (MUST)	5 (4.4%) Yes	59 (6.1%) Yes
Malnutrition Screening tool (MST)	-	70 (7.2%) Yes
SNAQ	2 (1.8%) Yes	11 (1.1%) Yes
Other formal tool	19 (16.7%) Yes	148 (15.3%) Yes
I do not know	1 (0.88%) Yes	9 (0.93%) Yes
Missing	5 (4.4%)	47 (4.8%)

During hospital stay

No routine monitoring	6 (5.3%) Yes	88 (9.1%) Yes
No fixed criteria	5 (4.4%) Yes	77 (7.9%) Yes
Experience / visual assessment only	17 (14.9%) Yes	174 (17.9%) Yes
Weighing / BMI only	52 (45.6%) Yes	313 (32.3%) Yes
Other formal tool	27 (23.7%) Yes	251 (25.9%) Yes
I do not know	2 (1.8%) Yes	20 (2.1%) Yes
Missing	5 (4.4%)	47 (4.8%)

11a. Do you routinely use guidelines or standards for nutrition care? 76 (80.0%) Yes 724 (80.0%) Yes

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

International guidelines	27 (35.5%) Yes	186 (25.7%) Yes
National guidelines	2 (2.6%) Yes	105 (14.5%) Yes
Standards on hospital level	26 (34.2%) Yes	249 (34.4%) Yes
Standards on unit level	6 (7.9%) Yes	51 (7.0%) Yes
Individual patient nutrition care plans	14 (18.4%) Yes	116 (16.0%) Yes
Other	-	7 (0.97%) Yes
Missing	1 (1.3%)	10 (1.4%)

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

Watchful waiting	20 (17.5%) Yes	281 (29.0%) Yes
Discuss nutrition care activities during ward rounds	50 (43.9%) Yes	430 (44.3%) Yes
Develop an individual nutrition care plan	58 (50.9%) Yes	509 (52.5%) Yes
Initiate treatment / nutrition intervention	73 (64.0%) Yes	582 (60.0%) Yes
Consult a nutrition expert (dietician, nutritionist, etc.)	61 (53.5%) Yes	592 (61.0%) Yes
Consult a medical professional	31 (27.2%) Yes	383 (39.5%) Yes
Calculate energy requirements	36 (31.6%) Yes	479 (49.4%) Yes
Calculate protein requirements	32 (28.1%) Yes	466 (48.0%) Yes

Malnourished

Watchful waiting	16 (14.0%) Yes	196 (20.2%) Yes
Discuss nutrition care activities during ward rounds	43 (37.7%) Yes	462 (47.6%) Yes
Develop an individual nutrition care plan	59 (51.8%) Yes	541 (55.8%) Yes
Initiate treatment / nutrition intervention	64 (56.1%) Yes	624 (64.3%) Yes
Consult a nutrition expert (dietician, nutritionist, etc.)	53 (46.5%) Yes	581 (59.9%) Yes
Consult a medical professional	42 (36.8%) Yes	411 (42.4%) Yes
Calculate energy requirements	49 (43.0%) Yes	537 (55.4%) Yes
Calculate protein requirements	48 (42.1%) Yes	522 (53.8%) Yes

Every patient

Watchful waiting	81 (71.1%) Yes	483 (49.8%) Yes
Discuss nutrition care activities during ward rounds	32 (28.1%) Yes	258 (26.6%) Yes
Develop an individual nutrition care plan	28 (24.6%) Yes	184 (19.0%) Yes
Initiate treatment / nutrition intervention	22 (19.3%) Yes	135 (13.9%) Yes
Consult a nutrition expert (dietician, nutritionist, etc.)	33 (28.9%) Yes	185 (19.1%) Yes
Consult a medical professional	28 (24.6%) Yes	209 (21.5%) Yes
Calculate energy requirements	18 (15.8%) Yes	123 (12.7%) Yes
Calculate protein requirements	16 (14.0%) Yes	113 (11.6%) Yes

Never

Watchful waiting	3 (2.6%) Yes	76 (7.8%) Yes
Discuss nutrition care activities during ward rounds	5 (4.4%) Yes	62 (6.4%) Yes

Develop an individual nutrition care plan	2 (1.8%) Yes	50 (5.2%) Yes
Initiate treatment / nutrition intervention	1 (0.88%) Yes	13 (1.3%) Yes
Consult a nutrition expert (dietician, nutritionist, etc.)	1 (0.88%) Yes	16 (1.6%) Yes
Consult a medical professional	14 (12.3%) Yes	106 (10.9%) Yes
Calculate energy requirements	18 (15.8%) Yes	103 (10.6%) Yes
Calculate protein requirements	18 (15.8%) Yes	124 (12.8%) Yes

I do not know

Watchful waiting	5 (4.4%) Yes	51 (5.3%) Yes
Discuss nutrition care activities during ward rounds	5 (4.4%) Yes	40 (4.1%) Yes
Develop an individual nutrition care plan	4 (3.5%) Yes	22 (2.3%) Yes
Initiate treatment / nutrition intervention	4 (3.5%) Yes	22 (2.3%) Yes
Consult a nutrition expert (dietician, nutritionist, etc.)	5 (4.4%) Yes	18 (1.9%) Yes
Consult a medical professional	10 (8.8%) Yes	51 (5.3%) Yes
Calculate energy requirements	8 (7.0%) Yes	40 (4.1%) Yes
Calculate protein requirements	11 (9.6%) Yes	42 (4.3%) Yes

13. When do you routinely weigh your patients?

at admission	68 (59.6%) Yes	625 (64.4%) Yes
Within 24 hours	20 (17.5%) Yes	142 (14.6%) Yes
Within 48 hours	10 (8.8%) Yes	54 (5.6%) Yes
Within 72 hours	4 (3.5%) Yes	27 (2.8%) Yes
Every week	69 (60.5%) Yes	393 (40.5%) Yes
Occasionally	9 (7.9%) Yes	109 (11.2%) Yes
When requested	63 (55.3%) Yes	483 (49.8%) Yes
At discharge	2 (1.8%) Yes	52 (5.4%) Yes
Never	3 (2.6%) Yes	13 (1.3%) Yes
I do not know	1 (0.88%) Yes	4 (0.41%) Yes
No answer given	10 (41.7%)	50 (5.2%)

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

Offer additional meals or in between snacks	104 (91.2%) Yes	730 (75.3%) Yes
Offer meal choices	92 (80.7%) Yes	711 (73.3%) Yes
Offer different portion sizes	95 (83.3%) Yes	635 (65.5%) Yes
Consider food presentation	26 (22.8%) Yes	356 (36.7%) Yes
Change food texture/consistency as needed	106 (93.0%) Yes	797 (82.2%) Yes
Consider patient problems with eating and drinking	93 (81.6%) Yes	793 (81.8%) Yes
Ensure that mealtimes are undisturbed/protected mealtime policy	21 (18.4%) Yes	218 (22.5%) Yes
Promote positive eating environment	33 (28.9%) Yes	281 (29.0%) Yes
Consider cultural/religious preferences	100 (87.7%) Yes	559 (57.6%) Yes
Consider patient allergies / intolerances	107 (93.9%) Yes	650 (67.0%) Yes
Other	7 (6.1%) Yes	74 (7.6%) Yes
I do not know	3 (2.6%) Yes	19 (2.0%) Yes
No answer given	5 (4.4%)	48 (4.9%)

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

Nutrition training is available	65 (57.0%) Yes	558 (57.5%) Yes
Reporting of nutrition related information to hospital managers	52 (45.6%) Yes	408 (42.1%) Yes
Quality indicators are recorded and reported to national or regional level	55 (48.2%) Yes	302 (31.1%) Yes
Quality indicators are used for internal benchmarking	19 (16.7%) Yes	358 (36.9%) Yes
Patient feedback about food and food service is collected using a questionnaire	64 (56.1%) Yes	625 (64.4%) Yes
None	1 (0.88%) Yes	32 (3.3%) Yes
I do not know	10 (8.8%) Yes	38 (3.9%) Yes
No answer given	14 (12.3%)	68 (7.0%)

16. At admission what is asked and documented?

Change in weight	81 (71.1%) Yes	775 (79.9%) Yes
Eating habits/difficulties	80 (70.2%) Yes	746 (76.9%) Yes
Nutrition before admission	65 (57.0%) Yes	592 (61.0%) Yes
None	2 (1.8%) Yes	15 (1.5%) Yes
I do not know	5 (4.4%) Yes	20 (2.1%) Yes
No answer given	14 (12.3%)	70 (7.2%)

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	90 (78.9%) Yes	708 (73.0%) Yes
nutrition treatment	70 (61.4%) Yes	582 (60.0%) Yes
None	-	54 (5.6%) Yes
I do not know	7 (6.1%) Yes	26 (2.7%) Yes

b. Discharge Letter ...

summarizes nutrition treatment received during stay	60 (52.6%) Yes	407 (42.0%) Yes
makes future nutrition-related recommendations	61 (53.5%) Yes	572 (59.0%) Yes
None	3 (2.6%) Yes	110 (11.3%) Yes
I do not know	20 (17.5%) Yes	69 (7.1%) Yes

18. Do you provide brochures about malnutrition to at risk/malnourished patients?	55 (60.4%) Yes	356 (44.8%) Yes
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19. Who filled in this sheet?

Head staff	57 (50.0%) Yes	281 (29.0%) Yes
Dietician	62 (54.4%) Yes	517 (53.3%) Yes
Nurse	20 (17.5%) Yes	279 (28.8%) Yes
Physician	6 (5.3%) Yes	128 (13.2%) Yes
Administrative staff	3 (2.6%) Yes	8 (0.82%) Yes

Other	6 (5.3%) Yes	39 (4.0%) Yes
None	-	-
I do not know	2 (1.8%) Yes	7 (0.72%) Yes

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

	YOUR RESULTS	REFERENCE RESULTS
Total	1716	17827
Age	75 [63-85]	67 [53-78]
Female	917 (53.4%)	8951 (50.2%)
Weight	72.9±18.7	70.1±19.2
Height	167±10	165±10
BMI	26.1±6.0	25.5±6.0

1. This hospital admission was...

planned	625 (36.4%)	6798 (38.1%)
an emergency	954 (55.6%)	9562 (53.6%)
I do not know	137 (8.0%)	1467 (8.2%)
No answer given	-	-

2a. Diagnosis at admission

0100 Infectious and parasitic diseases	198 (11.5%)	1555 (8.7%)
0200 Neoplasms	226 (13.2%)	3133 (17.6%)
0300 Blood and bloodforming organs and the immune mechanism	85 (5.0%)	1159 (6.5%)
0400 Endocrine, nutritional and metabolic diseases	192 (11.2%)	2190 (12.3%)
0500 Mental health	127 (7.4%)	851 (4.8%)
0600 Nervous system	168 (9.8%)	1636 (9.2%)
0700 Eye and adnexa	21 (1.2%)	236 (1.3%)
0800 Ear and mastoid process	11 (0.64%)	127 (0.71%)
0900 Circulatory system	349 (20.3%)	3801 (21.3%)
1000 Respiratory system	279 (16.3%)	2810 (15.8%)
1100 Digestive system	409 (23.8%)	4343 (24.4%)
1200 Skin and subcutaneous tissue	77 (4.5%)	786 (4.4%)
1300 Musculoskeletal system and connective tissue	426 (24.8%)	2703 (15.2%)
1400 Genitourinary system	220 (12.8%)	1776 (10.0%)
1500 Pregnancy, childbirth and the puerperium	-	198 (1.1%)
1600 Conditions originating in the perinatal period	-	25 (0.14%)
1700 Congenital/chromosomal abnormalities	1 (0.06%)	31 (0.17%)
1800 Symptoms, signs, abnormal clinical/lab findings	29 (1.7%)	816 (4.6%)
1900 Injury, poisoning	75 (4.4%)	512 (2.9%)
2000 External causes of morbidity and mortality (e.g. transport accidents, assaults)	40 (2.3%)	379 (2.1%)
2100 Factors influencing health status and contact with health services	137 (8.0%)	619 (3.5%)
No answer given	-	-

3. Which conditions/comorbidities does this patient have?

Cardiac insufficiency	382 (23.1%)	3518 (22.5%)
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Myocardial infarction	71 (4.3%)	823 (5.4%)
Chronic lung disease	280 (16.9%)	2299 (14.8%)
Cerebral vascular disease	148 (9.0%)	1523 (9.9%)
Peripheral vascular disease	292 (17.7%)	1931 (12.6%)
Chronic liver disease	103 (6.3%)	992 (6.5%)
Chronic kidney disease	243 (14.8%)	1734 (11.3%)
Diabetes	363 (22.0%)	3888 (24.9%)
Cancer	328 (19.9%)	3763 (24.2%)
Infection	262 (15.9%)	2245 (14.5%)
Dementia	159 (9.6%)	798 (5.2%)
Major depressive disorder	149 (9.1%)	853 (5.6%)
Other chronic mental disorder	130 (7.9%)	815 (5.4%)
Other chronic disease	257 (15.6%)	4031 (25.9%)
None	268 (15.6%)	3008 (16.9%)

4a. Previous operation during this hospital stay

Yes, planned	324 (18.9%)	3584 (20.1%)
Yes, acute	108 (6.3%)	1077 (6.0%)
No	1064 (62.0%)	12545 (70.4%)
I do not know	24 (1.4%)	230 (1.3%)
Missing	196 (11.4%)	391 (2.2%)

Days since operation	6 [2-16]	3 [1-11]
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4b. Planned operation during this hospital stay

Yes, today or tomorrow	42 (2.4%)	1266 (7.1%)
Yes, later	32 (1.9%)	953 (5.3%)
No	1309 (76.3%)	13798 (77.4%)
I do not know	117 (6.8%)	833 (4.7%)
Missing	216 (12.6%)	977 (5.5%)

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

158 (10.1%)	1781 (10.0%)
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6. Is this patient terminally ill?

58 (3.4%)	1122 (6.3%)
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7. Fluid status

Normal	1292 (75.3%)	13668 (76.7%)
Overloaded	122 (7.1%)	1008 (5.7%)
Dehydrated	61 (3.6%)	878 (4.9%)
I do not know	241 (14.0%)	2273 (12.8%)
Missing	-	-

8. Number of different medications planned

Oral	7 [5-10]	5 [2-8]
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Other	2 [1-3]	2 [1-4]
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9. Was this patient identified as malnourished or at risk of malnutrition?

Malnourished	331 (19.3%)	2050 (11.5%)
At risk	406 (23.7%)	3162 (17.7%)
No	831 (48.4%)	11117 (62.4%)
I do not know	148 (8.6%)	1498 (8.4%)
Missing	-	-

10. IV Fluids

Electrolyte solution (NaCl, Ringers lactate, etc)	421 (24.5%)	6470 (36.3%)
5% Glucose solution	199 (11.6%)	1853 (10.4%)

11. Number of ONS drinks planned

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

Regular hospital food	887 (51.7%)	10454 (58.6%)
Fortified/enriched hospital food	563 (32.8%)	1962 (11.0%)
Protein/energy supplement (e.g. ONS drinks)	495 (28.8%)	2469 (13.8%)
Enteral nutrition	34 (2.0%)	882 (4.9%)
Parenteral nutrition	47 (2.7%)	929 (5.2%)
Special diet	572 (33.3%)	5732 (32.2%)
None	42 (2.4%)	895 (5.0%)

13a. All lines and Tubes

Central Venous	154 (9.8%)	1535 (8.6%)
Peripheral venous access	523 (33.4%)	8238 (46.2%)
Nasogastric	13 (0.83%)	462 (2.6%)
Nasojejunal	6 (0.38%)	79 (0.44%)
Nasoduodenal	8 (0.51%)	67 (0.38%)
Enterostoma	2 (0.13%)	82 (0.46%)
Percutaneous endoscopy/surgical gastrostomy	6 (0.38%)	137 (0.77%)
Percutaneous endoscopy/surgical jejunostomy	5 (0.32%)	63 (0.35%)
None	1045 (60.9%)	8032 (45.1%)

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

Yes, previously	21 (1.2%)	247 (1.4%)
Yes, ongoing	4 (0.23%)	173 (0.97%)
No	1131 (65.9%)	14548 (81.6%)
I do not know	246 (14.3%)	1646 (9.2%)
Missing	314 (18.3%)	1213 (6.8%)

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

Energy requirements were determined	612 (39.1%)	6273 (35.2%)
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Protein requirements were determined	538 (34.4%)	5516 (30.9%)
Food/Nutrition intake was recorded in the patient record	767 (49.0%)	7653 (42.9%)
Nutrition treatment plan was developed	650 (41.5%)	6036 (33.9%)
Nutrition expert was consulted	878 (56.1%)	6237 (35.0%)
Malnutrition status is recorded in the patient record	757 (48.4%)	5297 (29.7%)
None	-	-

15a. Energy goal

< 500 kcal	65 (3.8%)	749 (4.2%)
500-999 kcal	3 (0.17%)	194 (1.1%)
1000-1499 kcal	40 (2.3%)	1695 (9.5%)
1500-1999 kcal	565 (32.9%)	5578 (31.3%)
>=2000 kcal	276 (16.1%)	1992 (11.2%)
Not determined	494 (28.8%)	6066 (34.0%)
I do not know	122 (7.1%)	1515 (8.5%)
Missing	151 (8.8%)	38 (0.21%)

15b. Energy intake

< 500 kcal	71 (4.1%)	1264 (7.1%)
500-999 kcal	41 (2.4%)	900 (5.0%)
1000-1499 kcal	123 (7.2%)	2387 (13.4%)
1500-1999 kcal	452 (26.3%)	3954 (22.2%)
>=2000 kcal	107 (6.2%)	1047 (5.9%)
Not determined	606 (35.3%)	6021 (33.8%)
I do not know	165 (9.6%)	2199 (12.3%)
Missing	151 (8.8%)	55 (0.31%)

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

Improved	684 (39.9%)	8831 (49.5%)
Deteriorated	102 (5.9%)	1039 (5.8%)
Remained the same	435 (25.3%)	4935 (27.7%)
This patient has just been admitted	90 (5.2%)	1248 (7.0%)
I do not know	254 (14.8%)	1774 (10.0%)
Missing	151 (8.8%)	-

Length of hospital stay (days)	17 [9-30]	12 [6-24]
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Outcome Code

1= Still in the hospital	205 (11.9%)	1702 (9.5%)
2= Transferred to another hospital	28 (1.6%)	419 (2.4%)
3= Transferred to long term care	186 (10.8%)	780 (4.4%)
4= Rehabilitation	62 (3.6%)	785 (4.4%)
5= Discharged home	1070 (62.4%)	13163 (73.8%)
6= Death	53 (3.1%)	535 (3.0%)

7= Others	24 (1.4%)	310 (1.7%)
Missing	88 (5.1%)	133 (0.75%)
Readmitted since ND		
1= No	1003 (71.7%)	11846 (75.5%)
2= Yes, same hospital planned	114 (8.1%)	1043 (6.7%)
3= Yes, same hospital unplanned	98 (7.0%)	889 (5.7%)
4= Yes, different hospital planned	5 (0.36%)	68 (0.43%)
5= Yes, different hospital unplanned	5 (0.36%)	68 (0.43%)
6= Unknown	15 (1.1%)	646 (4.1%)
Missing	156 (11.2%)	1059 (6.8%)

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

	<i>YOUR RESULTS</i>	<i>REFERENCE RESULTS</i>
1. What are your typical dietary habits?		
No special dietary habits	1108 (66.7%)	12235 (71.0%)
I am vegetarian	23 (1.4%)	370 (2.1%)
I adhere to a vegan diet	1 (0.06%)	132 (0.77%)
I eat gluten-free diet	9 (0.54%)	156 (0.91%)
I avoid added sugars	206 (12.4%)	2604 (15.1%)
I avoid carbohydrates	48 (2.9%)	1038 (6.0%)
I eat a low fat-diet	79 (4.8%)	1930 (11.2%)
I am lactose intolerant	20 (1.2%)	572 (3.3%)
Other special diet due to intolerances/allergies	13 (0.78%)	323 (1.9%)
Other	109 (6.6%)	1219 (7.1%)
No answer given	186 (11.2%)	337 (2.0%)
2. Where did you live before your current hospital admission?		
At home	1290 (77.7%)	15276 (88.7%)
In a nursing home or other live-in facility	94 (5.7%)	609 (3.5%)
I was transferred from another hospital	73 (4.4%)	883 (5.1%)
Other	22 (1.3%)	268 (1.6%)
Missing	182 (11.0%)	185 (1.1%)
3. In general, are you able to walk?		
Yes	824 (49.6%)	11104 (64.5%)
Yes, with someone's help	164 (9.9%)	1762 (10.2%)
Yes, independently using a cane, walker, or crutches	359 (21.6%)	2412 (14.0%)
No, I have a wheelchair	61 (3.7%)	712 (4.1%)
No, I am bedridden	67 (4.0%)	988 (5.7%)
Missing	186 (11.2%)	243 (1.4%)
4. In general, how would you say your health is?		
Very good	113 (6.8%)	1252 (7.3%)
Good	569 (34.3%)	6191 (36.0%)
Fair	561 (33.8%)	6489 (37.7%)
Poor	189 (11.4%)	2490 (14.5%)
Very poor	43 (2.6%)	558 (3.2%)
Missing	186 (11.2%)	241 (1.4%)
5. Over the last 12 months prior to your current hospital admission approximately...		
... how many times have you seen a doctor?	7 [3-12]	5 [2-10]
... how many times have you been admitted to the hospital (Emergency room, any ward)?	1 [0-2]	1 [0-2]
... how many nights in total have you spent in hospital?	6 [0-20]	5 [0-15]

6. How many different medications do you take routinely each day (prior to hospitalisation)?		
1-2	211 (12.7%)	3323 (19.3%)
3-5	370 (22.3%)	4698 (27.3%)
More than 5	730 (43.9%)	5507 (32.0%)
None	107 (6.4%)	2633 (15.3%)
I do not know	55 (3.3%)	778 (4.5%)
Missing	188 (11.3%)	282 (1.6%)

7. Do you have health insurance?		
Yes, private insurance only	376 (22.6%)	2738 (15.9%)
Yes, public insurance only	515 (31.0%)	8466 (49.2%)
Yes, both	194 (11.7%)	2117 (12.3%)
None	152 (9.2%)	2268 (13.2%)
I prefer not to answer	200 (12.0%)	1018 (5.9%)
Missing	224 (13.5%)	614 (3.6%)

8. What was your weight 5 years ago?		
	75 [65-88]	72 [60-85]
I do not know	378 (22.8%)	4280 (24.9%)

9a. Have you lost weight within the last 3 months?		
Yes, intentionally	137 (8.2%)	1639 (9.5%)
Yes, unintentionally	633 (38.1%)	6488 (37.7%)
No, my weight stayed the same	499 (30.0%)	5108 (29.7%)
No, I gained weight	191 (11.5%)	1894 (11.0%)
I do not know	158 (9.5%)	1680 (9.8%)
Missing	43 (2.6%)	412 (2.4%)

9b. If yes, how many kg did you lose?		
	6 [4-12]	6 [4-10]
I do not know	134 (17.4%)	1267 (15.6%)

10. Did you know about your hospitalisation two days before admission? (Yes)		
	482 (34.4%)	6721 (41.1%)

11. Please indicate if you ...		
... were weighed at admission	833 (56.9%)	9728 (57.2%)
... were informed about your nutrition status	500 (34.4%)	5774 (34.3%)
... were informed about nutrition care options	587 (40.5%)	5459 (32.5%)
... received special nutrition care	591 (40.8%)	5054 (30.1%)

12. How well have you eaten in the week before you were admitted to the hospital?		
More than normal	55 (3.3%)	762 (4.5%)
Normal	929 (55.5%)	10449 (61.1%)
About 3/4 of normal	204 (12.2%)	1762 (10.3%)
About half of normal	277 (16.5%)	2122 (12.4%)

About a quarter to nearly nothing	167 (10.0%)	1571 (9.2%)
I do not know	2 (0.12%)	153 (0.89%)
Missing	40 (2.4%)	286 (1.7%)

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

Very satisfied	250 (14.9%)	4212 (24.6%)
Somewhat satisfied	670 (40.0%)	5626 (32.9%)
Neutral	249 (14.9%)	3361 (19.6%)
Dissatisfied	159 (9.5%)	1441 (8.4%)
Very dissatisfied	59 (3.5%)	491 (2.9%)
I do not know	76 (4.5%)	1415 (8.3%)
Missing	211 (12.6%)	559 (3.3%)

14. Did you get any help with eating TODAY?

Yes, from family or friends	34 (2.0%)	1651 (9.7%)
Yes, from hospital staff	125 (7.5%)	1185 (6.9%)
No	1262 (75.4%)	13278 (77.6%)
I do not know	14 (0.84%)	218 (1.3%)
Missing	239 (14.3%)	773 (4.5%)

15. Were you able to eat without interruption TODAY? (Yes)	1124 (79.7%)	11891 (74.2%)
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16a. Please indicate how much hospital food you ate for lunch or dinner TODAY:

About all	705 (42.1%)	7871 (46.0%)
1/2	466 (27.8%)	4261 (24.9%)
1/4	265 (15.8%)	2226 (13.0%)
Nothing	179 (10.7%)	1992 (11.6%)
Missing	59 (3.5%)	755 (4.4%)

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

Standard	1013 (60.5%)	11000 (64.3%)
Smaller	165 (9.9%)	1600 (9.4%)
Larger	90 (5.4%)	763 (4.5%)
I do not know	102 (6.1%)	1701 (9.9%)
Missing	304 (18.2%)	2041 (11.9%)

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

I did not like the type of food offered	177 (19.5%)	1293 (15.2%)
I did not like the smell/taste of the food	96 (10.5%)	996 (11.7%)
The food did not fit my cultural/religious preferences	8 (0.88%)	90 (1.1%)
The food was too hot	6 (0.66%)	38 (0.45%)
The food was too cold	12 (1.3%)	207 (2.4%)
Due to food allergy/intolerance	1 (0.11%)	53 (0.63%)
I was not hungry at that time	202 (22.2%)	1520 (17.9%)

I do not have my usual appetite	198 (21.8%)	2475 (29.2%)
I have problems chewing/swallowing	40 (4.4%)	478 (5.6%)
I normally eat less than what was served	113 (12.4%)	969 (11.4%)
I had nausea/vomiting	50 (5.5%)	637 (7.5%)
I was too tired	78 (8.6%)	506 (6.0%)
I cannot eat without help	3 (0.33%)	141 (1.7%)
I was not allowed to eat	56 (6.2%)	869 (10.2%)
I had an exam, surgery, or test and missed my meal	42 (4.6%)	469 (5.5%)
I did not get requested food	6 (0.66%)	93 (1.1%)
No answer given	200 (22.0%)	1161 (13.7%)

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	1 [0-2]	1 [1-3]
Coffee	2 [2-3]	1 [1-2]
Milk	0 [0-1]	1 [0-1]
Fruit juice	0 [0-1]	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?	414 (30.1%)	4518 (28.8%)
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19b. If yes, what did you eat?

Sweet snacks	217 (52.4%)	1302 (28.8%)
Salty snacks	51 (12.3%)	512 (11.3%)
Homemade food	48 (11.6%)	703 (15.6%)
Fruits	149 (36.0%)	1730 (38.3%)
Dairy products	45 (10.9%)	471 (10.4%)
Food delivered/restaurant	10 (2.4%)	191 (4.2%)
Sandwich	31 (7.5%)	282 (6.2%)
Other	31 (7.5%)	724 (16.0%)

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

Increased	259 (15.5%)	2508 (14.7%)
Decreased	349 (20.8%)	5344 (31.2%)
Stayed the same	723 (43.2%)	7154 (41.8%)
I do not know	96 (5.7%)	1188 (6.9%)
Missing	247 (14.8%)	911 (5.3%)

21. TODAY I feel...

Stronger than at admission	645 (38.5%)	7275 (42.5%)
Weaker than at admission	327 (19.5%)	3158 (18.5%)
Same as at admission	527 (31.5%)	4825 (28.2%)

I was admitted today	33 (2.0%)	465 (2.7%)
I do not know	94 (5.6%)	926 (5.4%)
Missing	48 (2.9%)	456 (2.7%)

22. Can you walk without assistance TODAY?

Yes	825 (49.3%)	10229 (59.8%)
No, only with assistance	570 (34.1%)	4164 (24.3%)
No, I stay in bed	181 (10.8%)	1821 (10.6%)
Missing	98 (5.9%)	891 (5.2%)

23. Did anyone help you complete this questionnaire?	1025 (71.2%)	10837 (65.0%)
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V. Oncology: Unit organisation and structures ("Sheet 1 onco")

	YOUR RESULTS	REFERENCE RESULTS
Number of units with cancer patients:	19	255
Computerized system in hospital:	19 units (100%) YES	243 units (95%) YES
Nutritional treatment of cancer patients is part of overall care plan	19 units (100%) YES	225 units (88%) YES
Nutritional treatment is considered...		
Routinely	17 (89,5%)	153 (60,0%)
When patient asks	7 (36,8%)	62 (24,3%)
When body weight loss > 10%	8 (42,1%)	72 (28,2%)
During palliative phase	4 (21,1%)	62 (24,3%)
Other	2 (10,5%)	14 (5,49%)
Missing	-	26 (10,2%)
Nutritional treatment is not part of the comprehensive approach due to		
Lack of evidence	-	10 (3,92%)
No knowledge of the field	-	9 (3,53%)
No reimbursement	-	8 (3,14%)
It feeds the tumour	-	2 (0,78%)
Other	-	9 (3,53%)
Nutritional therapy used for cancer patients		
Nutrition according to nutrition plan	13 (68,4%)	166 (65,1%)
Calculation of energy needs	18 (94,7%)	181 (71,0%)
Monitoring patients intake and use of oral supplements	19 (100%)	219 (85,9%)
None	-	7 (2,75%)
Other	-	12 (4,71%)
Missing	-	5 (1,96%)
Nutritional therapy is not used due to		
Lack of evidence	-	3 (1,18%)
Lack of experience	-	7 (2,75%)
No reimbursement	-	3 (1,18%)
Lack of dietitians	-	12 (4,71%)
Lack of other experts	-	3 (1,18%)
Other	-	5 (1,96%)
Missing	-	1 (0,39%)

Assessment of parameters in cancer patients & methods used:

Anthropometry/Body composition:

Body weight

Regularly	12 (63,2%)	175 (68,6%)
At chemotherapy	6 (31,6%)	34 (13,3%)
When necessary	1 (5,26%)	36 (14,1%)
Never	-	4 (1,57%)
Unknown	-	3 (1,18%)
Missing	-	3 (1,18%)

Anthropometrics (circumference)

Regularly	-	33 (12,9%)
At chemotherapy	1 (5,26%)	6 (2,35%)
When necessary	2 (10,5%)	95 (37,3%)
Never	15 (78,9%)	106 (41,6%)
Unknown	1 (5,26%)	5 (1,96%)
Missing	-	10 (3,92%)

BIA

Regularly	1 (5,26%)	8 (3,14%)
At chemotherapy	-	3 (1,18%)
When necessary	3 (15,8%)	68 (26,7%)
Never	15 (78,9%)	156 (61,2%)
Unknown	-	9 (3,53%)
Missing	-	11 (4,31%)

CT SCAN

Regularly	-	12 (4,71%)
At chemotherapy	-	2 (0,78%)
When necessary	4 (21,1%)	71 (27,8%)
Never	14 (73,7%)	149 (58,4%)
Unknown	1 (5,26%)	11 (4,31%)
Missing	-	10 (3,92%)

DEXA

Regularly	-	3 (1,18%)
At chemotherapy	-	2 (0,78%)
When necessary	3 (15,8%)	44 (17,3%)
Never	13 (68,4%)	175 (68,6%)
Unknown	3 (15,8%)	17 (6,67%)
Missing	-	14 (5,49%)

Other (body composition)

Regularly	-	5 (1,96%)
At chemotherapy	-	1 (0,39%)
When necessary	1 (5,26%)	34 (13,3%)

Never	5 (26,3%)	84 (32,9%)
Unknown	1 (5,26%)	39 (15,3%)
Missing	12 (63,2%)	92 (36,1%)

Body function:

Handgrip

Regularly	-	12 (4,71%)
At chemotherapy	-	6 (2,35%)
When necessary	2 (10,5%)	77 (30,2%)
Never	15 (78,9%)	136 (53,3%)
Unknown	2 (10,5%)	10 (3,92%)
Missing	-	14 (5,49%)

6-minutes walking test

Regularly	-	7 (2,75%)
At chemotherapy	-	4 (1,57%)
When necessary	5 (26,3%)	65 (25,5%)
Never	12 (63,2%)	149 (58,4%)
Unknown	2 (10,5%)	12 (4,71%)
Missing	-	18 (7,06%)

Other (body function)

Regularly	1 (5,26%)	11 (4,31%)
At chemotherapy	-	1 (0,39%)
When necessary	2 (10,5%)	44 (17,3%)
Never	3 (15,8%)	99 (38,8%)
Unknown	3 (15,8%)	36 (14,1%)
Missing	10 (52,6%)	64 (25,1%)

Nutritional requirements, calculated

Regularly	12 (63,2%)	78 (30,6%)
At chemotherapy	1 (5,26%)	1 (0,39%)
When necessary	6 (31,6%)	127 (49,8%)
Never	-	14 (5,49%)
Unknown	-	3 (1,18%)
Missing	-	32 (12,5%)

Nutritional intake:

Every meal

Regularly	5 (26,3%)	73 (28,6%)
At chemotherapy	1 (5,26%)	2 (0,78%)
When necessary	10 (52,6%)	107 (42,0%)
Never	1 (5,26%)	26 (10,2%)
Unknown	-	13 (5,10%)

Missing	2 (10,5%)	34 (13,3%)
1 meal per day		
Regularly	1 (5,26%)	20 (7,84%)
At chemotherapy	1 (5,26%)	2 (0,78%)
When necessary	7 (36,8%)	82 (32,2%)
Never	3 (15,8%)	49 (19,2%)
Unknown	1 (5,26%)	17 (6,67%)
Missing	6 (31,6%)	85 (33,3%)
2 meals per day		
Regularly	1 (5,26%)	20 (7,84%)
At chemotherapy	1 (5,26%)	-
When necessary	7 (36,8%)	80 (31,4%)
Never	3 (15,8%)	51 (20,0%)
Unknown	1 (5,26%)	16 (6,27%)
Missing	6 (31,6%)	88 (34,5%)
24h recall		
Regularly	3 (15,8%)	53 (20,8%)
At chemotherapy	2 (10,5%)	6 (2,35%)
When necessary	10 (52,6%)	89 (34,9%)
Never	1 (5,26%)	34 (13,3%)
Unknown	-	14 (5,49%)
Missing	3 (15,8%)	59 (23,1%)
Other (nutritional intake)		
Regularly	1 (5,26%)	6 (2,35%)
At chemotherapy	-	1 (0,39%)
When necessary	5 (26,3%)	38 (14,9%)
Never	-	49 (19,2%)
Unknown	-	37 (14,5%)
Missing	13 (68,4%)	124 (48,6%)
Questionnaire completed by		
Dietitian	11 (57,9%)	110 (43,1%)
Nurse	4 (21,1%)	66 (25,9%)
Physician	2 (10,5%)	59 (23,1%)
Nutritional scientist	2 (10,5%)	14 (5,49%)
Other	-	1 (0,39%)
Missing	-	5 (1,96%)

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

	YOUR RESULTS	REFERENCE RESULTS
Number of patients completing Sheet 2_onco:	93	2506
Demographic data:		
Age (years)	67 [30-90]	65 [18-96]
Female gender	50 (53,8%)	1093 (43,6%)
Weight (kg)	70,5 ± 17,2	66,5 ± 17,5
Height (cm)	166,9 ± 8,3	166,0 ± 10,1
BMI (kg/m ²)	25,2 ± 5,4	24,0 ± 5,0
Outpatient (o)/Ward (w)		
Outpatient(o)	1 (1,08%)	142 (5,67%)
Ward (w)	85 (91,4%)	2340 (93,4%)
Missing	7 (7,53%)	24 (0,96%)
Goal of Therapy		
Curative	43 (46,2%)	1449 (57,8%)
Palliative	36 (38,7%)	849 (33,9%)
Terminal	1 (1,08%)	122 (4,87%)
Missing	13 (14,0%)	86 (3,43%)
Reason for admission		
Clinical diagnostics	24 (25,8%)	295 (11,8%)
Therapy	18 (19,4%)	1236 (49,3%)
Surgery related	18 (19,4%)	492 (19,6%)
Treatment complications	10 (10,8%)	267 (10,7%)
Poor health status	24 (25,8%)	334 (13,3%)
Independent care difficult	2 (2,15%)	22 (0,88%)
Missing	-	-
Present cancer diagnosis		
Breast	9 (9,68%)	162 (6,46%)
Colon, rectum	14 (15,1%)	417 (16,6%)
Prostate	3 (3,23%)	65 (2,59%)
Lung	12 (12,9%)	237 (9,46%)
Skin	-	19 (0,76%)
Kidney/bladder	7 (7,53%)	94 (3,75%)
Gastric/oesophageal	5 (5,38%)	291 (11,6%)
Pancreas	5 (5,38%)	123 (4,91%)
Lymphoma	2 (2,15%)	246 (9,82%)
Ears nose throat (ENT)	5 (5,38%)	109 (4,35%)
Leukaemia	3 (3,23%)	205 (8,18%)
Genital tract	4 (4,30%)	107 (4,27%)

Liver	3 (3,23%)	189 (7,54%)
Sarcoma	2 (2,15%)	27 (1,08%)
Brain	1 (1,08%)	37 (1,48%)
Testicular	-	9 (0,36%)
Other	6 (6,45%)	229 (9,14%)
Missing	14 (15,1%)	51 (2,04%)

Time since diagnosis

0-2 months	18 (19,4%)	811 (32,4%)
3-5 months	12 (12,9%)	426 (17,0%)
6-12 months	13 (14,0%)	398 (15,9%)
1-2 years	12 (12,9%)	333 (13,3%)
2-4 years	12 (12,9%)	214 (8,54%)
> 4 years	11 (11,8%)	208 (8,30%)
Missing	13 (14,0%)	86 (3,43%)

Cancer staging

0=Carcinoma in situ	2 (2,15%)	103 (4,11%)
I=Localized	9 (9,68%)	503 (20,1%)
II=Early locally advanced	4 (4,30%)	487 (19,4%)
III=Late locally advanced	10 (10,8%)	370 (14,8%)
IV=Metastasised	50 (53,8%)	704 (28,1%)
Missing	18 (19,4%)	339 (13,5%)

Time since first therapy start

No therapy	4 (4,30%)	238 (9,50%)
Tumour staging/diagnosis	7 (7,53%)	221 (8,82%)
0-2 months	17 (18,3%)	747 (29,8%)
3-5 months	14 (15,1%)	342 (13,6%)
6-12 months	9 (9,68%)	360 (14,4%)
1-2 years	9 (9,68%)	265 (10,6%)
2-4 years	13 (14,0%)	166 (6,62%)
> 4 years	9 (9,68%)	191 (7,62%)
Missing	13 (14,0%)	69 (2,75%)

Therapy situation

Diagnosis	6 (6,45%)	248 (9,90%)
Chemotherapy 1st line	15 (16,1%)	541 (21,6%)
Chemotherapy > 1st line	15 (16,1%)	420 (16,8%)
Radiotherapy	4 (4,30%)	229 (9,14%)
Target therapy	3 (3,23%)	77 (3,07%)
Hormone therapy	4 (4,30%)	22 (0,88%)
Palliative	14 (15,1%)	249 (9,94%)
Surgery	17 (18,3%)	681 (27,2%)

Cancer related complications	5 (5,38%)	187 (7,46%)
Therapy related complications	1 (1,08%)	101 (4,03%)
Missing	13 (14,0%)	71 (2,83%)

Infections

None	50 (53,8%)	1857 (74,1%)
Local	17 (18,3%)	352 (14,0%)
General	11 (11,8%)	215 (8,58%)
Missing	15 (16,1%)	82 (3,27%)

Nutrition Treatment

No special diet	21 (22,6%)	1058 (42,2%)
Individualized diet plan	29 (31,2%)	709 (28,3%)
Energy rich/protein rich ONS	32 (34,4%)	443 (17,7%)
Enteral nutrition (via NGT/PEG)	7 (7,53%)	131 (5,23%)
Parenteral nutrition	4 (4,30%)	279 (11,1%)
ONS enriched with special nutrients	1 (1,08%)	72 (2,87%)
Special nutrients (EPA, branched chained amino acids, glutamine, arginine, carnitine)	1 (1,08%)	39 (1,56%)
Personal preferences	14 (15,1%)	208 (8,30%)
Counselling	11 (11,8%)	237 (9,46%)
Other	12 (12,9%)	129 (5,15%)
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:	93	2484
Body weight prior to becoming ill	78 [47-125]	70 [22-180]
Actual body weight	70 [33-115]	64 [21-175]
Change in weight was		
Intentional	4 (4,30%)	99 (3,95%)
Unintentional	66 (71,0%)	1609 (64,2%)
Weight is stable	9 (9,68%)	389 (15,5%)
Missing	6 (6,45%)	84 (3,35%)
During the last week		
Patients who have had pain:		
Not at all	28 (30,1%)	828 (33,0%)
A little	11 (11,8%)	711 (28,4%)
Quite a bit	17 (18,3%)	469 (18,7%)
Very much	27 (29,0%)	265 (10,6%)
Missing	10 (10,8%)	198 (7,90%)
Patients who needed a rest:		
Not at all	8 (8,60%)	560 (22,3%)
A little	14 (15,1%)	694 (27,7%)
Quite a bit	23 (24,7%)	606 (24,2%)
Very much	36 (38,7%)	394 (15,7%)
Missing	10 (10,8%)	212 (8,46%)
Patients who felt weak:		
Not at all	13 (14,0%)	543 (21,7%)
A little	25 (26,9%)	715 (28,5%)
Quite a bit	19 (20,4%)	605 (24,1%)
Very much	28 (30,1%)	407 (16,2%)
Missing	8 (8,60%)	203 (8,10%)
Patients who felt depressed:		
Not at all	42 (45,2%)	900 (35,9%)
A little	18 (19,4%)	776 (31,0%)
Quite a bit	14 (15,1%)	359 (14,3%)
Very much	9 (9,68%)	208 (8,30%)
Missing	9 (9,68%)	207 (8,26%)
Patients who were tired:		

Not at all	8 (8,60%)	558 (22,3%)
A little	22 (23,7%)	769 (30,7%)
Quite a bit	24 (25,8%)	563 (22,5%)
Very much	31 (33,3%)	376 (15,0%)
Missing	7 (7,53%)	204 (8,14%)

Patients whose pain interfered with their daily activities:

Not at all	32 (34,4%)	953 (38,0%)
A little	9 (9,68%)	567 (22,6%)
Quite a bit	17 (18,3%)	418 (16,7%)
Very much	25 (26,9%)	300 (12,0%)
Missing	10 (10,8%)	221 (8,82%)

Patients who lacked appetite:

Not at all	27 (29,0%)	881 (35,2%)
A little	20 (21,5%)	617 (24,6%)
Quite a bit	14 (15,1%)	431 (17,2%)
Very much	22 (23,7%)	322 (12,8%)
Missing	9 (9,68%)	218 (8,70%)

Just now

Patients who have pain:

Not at all	31 (33,3%)	993 (39,6%)
A little	23 (24,7%)	814 (32,5%)
Quite a bit	18 (19,4%)	359 (14,3%)
Very much	12 (12,9%)	106 (4,23%)
Missing	8 (8,60%)	205 (8,18%)

Patients who need a rest:

Not at all	13 (14,0%)	513 (20,5%)
A little	21 (22,6%)	832 (33,2%)
Quite a bit	20 (21,5%)	605 (24,1%)
Very much	28 (30,1%)	307 (12,3%)
Missing	8 (8,60%)	210 (8,38%)

Patients who feel weak:

Not at all	23 (24,7%)	562 (22,4%)
A little	26 (28,0%)	807 (32,2%)
Quite a bit	20 (21,5%)	594 (23,7%)
Very much	16 (17,2%)	296 (11,8%)
Missing	7 (7,53%)	210 (8,38%)

Patients who are depressed:

Not at all	43 (46,2%)	1027 (41,0%)
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A little	23 (24,7%)	763 (30,4%)
Quite a bit	8 (8,60%)	321 (12,8%)
Very much	9 (9,68%)	140 (5,59%)
Missing	7 (7,53%)	209 (8,34%)

Patients who are tired:

Not at all	14 (15,1%)	606 (24,2%)
A little	26 (28,0%)	871 (34,8%)
Quite a bit	26 (28,0%)	496 (19,8%)
Very much	19 (20,4%)	280 (11,2%)
Missing	6 (6,45%)	215 (8,58%)

Patients whose pain interferes with their daily activities:

Not at all	31 (33,3%)	961 (38,3%)
A little	17 (18,3%)	631 (25,2%)
Quite a bit	21 (22,6%)	418 (16,7%)
Very much	14 (15,1%)	233 (9,30%)
Missing	8 (8,60%)	221 (8,82%)

Patients who lack appetite:

Not at all	35 (37,6%)	907 (36,2%)
A little	20 (21,5%)	637 (25,4%)
Quite a bit	14 (15,1%)	430 (17,2%)
Very much	14 (15,1%)	278 (11,1%)
Missing	7 (7,53%)	217 (8,66%)

Reasons for change in appetite/food intake

Nausea/Vomiting	10 (10,8%)	434 (17,3%)
Inflammation in mouth	5 (5,38%)	145 (5,79%)
Pain	16 (17,2%)	332 (13,2%)
Constipation	2 (2,15%)	197 (7,86%)
Diarrhea	6 (6,45%)	129 (5,15%)
Change in taste/smell	11 (11,8%)	326 (13,0%)
Early satiation/Loss of appetite	18 (19,4%)	604 (24,1%)
Other	14 (15,1%)	427 (17,0%)
Missing	4 (4,30%)	93 (3,71%)

Maximum activity performed by patients

Able to do sports	2 (2,15%)	96 (3,83%)
Fully active	16 (17,2%)	356 (14,2%)
Able to carry out light activities	19 (20,4%)	508 (20,3%)
Able to carry out self care	21 (22,6%)	623 (24,9%)
Able to carry out limited self care	17 (18,3%)	371 (14,8%)
Confined to bed or chair	13 (14,0%)	333 (13,3%)

Missing	5 (5,38%)	196 (7,82%)
Patient takes additional (without prescription)		
Nothing	54 (58,1%)	1595 (63,6%)
Herbal tea	5 (5,38%)	237 (9,46%)
Nutritional supplements	10 (10,8%)	214 (8,54%)
Multivitamin	11 (11,8%)	81 (3,23%)
Other medication	3 (3,23%)	92 (3,67%)
Other	1 (1,08%)	127 (5,07%)
Missing	10 (10,8%)	253 (10,1%)
Additional activities performed		
Nothing	61 (65,6%)	1750 (69,8%)
Psychotherapy	-	53 (2,11%)
Yoga	3 (3,23%)	25 (1,00%)
Meditation	2 (2,15%)	103 (4,11%)
Progressive muscle relaxation	-	40 (1,60%)
Qigong	-	8 (0,32%)
Other	21 (22,6%)	261 (10,4%)
Missing	7 (7,53%)	300 (12,0%)
Patients having difficulties in complying with treatment		
	24 (25,8%)	542 (21,6%)
Patients needing help to complete questionnaire		
	52 (55,9%)	1313 (52,4%)
Patients believing that including nutrition in their therapeutic approach could provide relevant benefit to them:		
	43 (46,2%)	1505 (60,1%)