



## LIST OF TABLES

	TABLES	
		Page
Table 1.1.1	Sociodemographic characteristics of the patient cohort (N=5,393)	22
Table 1.2.1	Dietary habits, exercise habits and stress levels at the time of diagnosis (N=5,393)	24
Table 1.2.2	Dietary habits, lack of exercise and high stress levels at the time of diagnosis by age group	25
Table 1.2.3	High stress level at the time of diagnosis by occupation and age group	25
Table 1.3.1	Body mass index, bra size and cup size at the time of diagnosis (N=5,393)	26
Table 1.3.2	Family history, personal history of tumours and history of breast diseases at the time of diagnosis (N=5,393)	28
Table 1.3.3	Early menarche, late menopause and reproductive history at the time of diagnosis	29
Table 1.3.4	Use of exogenous hormones at the time of diagnosis (N=5,393)	30
Table 1.3.5	The ten most common risk factors in the patient cohort	32
Table 1.4.1	Breast screening habits in the two age groups	33
Table 1.4.2	Breast screening habits by geographical location	34
Table 2.1.1	Mode of first breast cancer detection by type of medical services attended	45
Table 2.2.1	Sensitivity and diagnostic results of mammography, breast ultrasound and magnetic resonance imaging (MRI)	48
Table 2.2.2	Sensitivity and diagnostic results of fine needle aspiration (FNA), core needle biopsy (CNB) and excisional biopsy	48
Table 2.2.3	Types of cancer staging methods in 2,682 breast cancer patients	50
Table 2.3.1	Histological type, grading, multifocality and multicentricity of invasive breast cancer (N=2,956)	54
Table 2.3.2	Molecular characteristics of invasive breast cancer	55
Table 2.3.3	Molecular subtypes of estrogen receptors, progesterone receptors and HER2 receptors in 2,956 invasive breast cancer cases	55
Table 2.3.4	Histological type, grade, multifocality and multicentricity of in situ breast cancer	56
Table 2.3.5	Molecular characteristics of in situ breast cancer	57
Table 2.4.1	Types of surgical operations in the patient cohort (N=3,467)	58
Table 2.4.2	Radiotherapy rates in different cancer stages among patients with mastectomy (N=952)	65
Table 2.5.1	Follow-up of 3,375 subjects	69
Table 2.5.2	Characteristics of breast cancer-specific deaths	70
Table 3.2.1	Psychosocial impacts of breast cancer on patients	79
Table 3.2.2	Psychosocial adjustments and coping strategies for survival	84



## **LIST OF FIGURES**

		Page
Figure 1	Distribution of year of diagnosis of 5,393 patients	8
Figure 1.1.1	Age distribution of the patient cohort (N=5,393)	21
Figure 1.2.1	Distribution of smokers and alcohol drinkers at the time of diagnosis by age (N=5,231)	23
Figure 1.3.1	Body mass index at the time of diagnosis by age group (N=5,271)	27
Figure 1.3.2	Use of oral contraceptives at the time of diagnosis by age group	31
Figure 1.3.3	Use of hormone replacement therapy at the time of diagnosis by age group	31
Figure 1.3.4	Distribution of patient cohort bearing different number of risk factors at the time of diagnosis (N=5,393)	32
Figure 1.4.1	Habits of breast self-examination at the time of diagnosis by educational level (N=5,047)	35
Figure 1.4.2	Habits of breast self-examination at the time of diagnosis by occupation (N=4,953)	36
Figure 1.4.3	Habits of clinical breast examination at the time of diagnosis by educational level (N=5,080)	37
Figure 1.4.4	Habits of clinical breast examination at the time of diagnosis by occupation (N=4,978)	37
Figure 1.4.5	Habits of mammography screening at the time of diagnosis by educational level (N=5,197)	38
Figure 1.4.6	Habits of mammography screening at the time of diagnosis by occupation (N=4,959)	39
Figure 1.4.7	Habits of breast ultrasound screening at the time of diagnosis by educational level (N=4,769)	40
Figure 1.4.8	Habits of breast ultrasound screening at the time of diagnosis by occupation (N=4,693)	40
Figure 2.1.1	Mode of first breast cancer detection in the patient cohort (N=3,467)	44
Figure 2.1.2	Major presenting symptoms of self-detected breast cancers (N=2,607)	45
Figure 2.2.1	Laterality of 3,467 breast cancer cases	46
Figure 2.2.2	Locations of breast cancer (N=3,467)	47
Figure 2.2.3	Breast density on mammography (N=2,866)	49
Figure 2.2.4	Cancer stage at diagnosis in breast cancer patients (N=3,467)	50
Figure 2.2.5	Distribution of tumour size of invasive breast cancer	51
Figure 2.2.6	Number of positive lymph nodes in invasive breast cancer	52
Figure 2.2.7	Distribution of tumour size of in situ breast cancer (N=422)	53
Figure 2.4.1	Type of surgery by age group (N=3,400)	59
Figure 2.4.2	Type of surgery by cancer stage (N=3,411)	60
Figure 2.4.3	Type of surgery by type of medical service (N=3,411)	60
Figure 2.4.4	Reconstruction rate by type of medical service (N=1,966)	61



		Page
Figure 2.4.5	Type of nodal surgery in invasive cancer (N=2,926)	61
Figure 2.4.6	Chemotherapy rate in patients at different cancer stages (N=3,419)	62
Figure 2.4.7	Type of chemotherapy regimens used in the patients (N=2,190)	63
Figure 2.4.8	Type of chemotherapy regimens in patients by cancer stage (N=2,013)	64
Figure 2.4.9	Endocrine therapy rates in patients by cancer stage (N=3,411)	65
Figure 2.4.10	Forms of endocrine therapy used in patients (N=2,295)	66
Figure 2.4.11	Targeted therapy rate in patients by cancer stage (N=3,416)	67
Figure 2.4.12	Type of drugs used for targeted therapy in the patients (N=211)	67
Figure 2.4.13	Type of alternative therapies used in 1,162 patients	68
Figure 3.1.1	Level of physical discomfort after surgical operations (N=3,415)	73
Figure 3.1.2	Level of post-surgical physical discomfort by type of surgery (N=3,411)	74
Figure 3.1.3	Level of physical discomfort after radiotherapy (N=2,209)	74
Figure 3.1.4	Level of physical discomfort after chemotherapy (N=2,190)	75
Figure 3.1.5	Level of physical discomfort by chemotherapy regimen (N=2,190)	76
Figure 3.1.6	Level of physical discomfort after endocrine therapy (N=2,295)	77
Figure 3.1.7	Level of physical discomfort after targeted therapy (N=211)	77
Figure 3.1.8	Level of physical discomfort after complementary and alternative therapies (N=1,162)	78
Figure 3.2.1	Change in outlook by age group (N=3,310)	80
Figure 3.2.2	Change in outlook by cancer stage (N=3,347)	80
Figure 3.2.3	Change in outlook by types of surgical treatment (N=3,347)	81
Figure 3.2.4	Change in self-image by age group (N=3,314)	82
Figure 3.2.5	Change in self-image by cancer stage (N=3,413)	83
Figure 3.2.6	Change in self-image by types of surgical treatment (N=3,349)	83
Figure 3.2.7	Level of worry about recurrence by age group (N=3,310)	85
Figure 3.2.8	Level of worry about recurrence by cancer stage (N=3,410)	86