

Te Rēhita Mate Ūtaetae – Breast Cancer Foundation National Register

Data Request Fields



NOTES:

Auckland register started in June 2000, including Auckland, Waitemata and Counties Manukau DHBs. Northland DHB joined 2020. Hub = Northern
 Waikato DHB register started 2005, but was back-populated to 1991. BOP, Lakes, Tairāwhiti and Taranaki DHBs joined 2020. Hub = Midland
 Wellington register started in 2010, including Capital & Coast, Hutt Valley and Wairarapa DHBs. MidCentral, Hawkes Bay, Whanganui DHBs joined 2020. Hub = Central
 Christchurch (Canterbury) register started in June 2009 and included West Coast DHB. Nelson-Malborough, South Canterbury, Southern DHBs joined 2020. Hub = Southern

Section	Priority (P) Field, Mandatory (M) Field	Field Name	Field options	Regional data only	New field added	Northern	Midland	Central	Southern	Sources	Notes	✓ Please tick if field is required
						Year started collecting (Auckland)	Year started collecting (Waikato)	Year started collecting (Wellington)	Year started collecting (Christchurch)			
Patient demographics	M	NHI	AAA####			2000	1991	2010	2009	MOH NHI database		
	P	Gender	Male / Female / Unknown			2000	1991	2010	2009	MOH NHI database		
	P	Age at diagnosis	Auto-calculated from diagnosis date and birth date. Read-only.		2017	2017	2017	2017	2017	MOH NHI database		
	P	Ethnicity (Level 1)	Auto-populated based on NHI			2000	1991	2010	2009	MOH NHI database		
	P	Ethnicity (Level 2)	Auto-populated based on NHI			2000	1991	2010	2009	MOH NHI database		
	P	Current patient status	Alive / Deceased			2000	1991	2010	2009	MOH NHI database		
	P	Date of death	Auto-populated based on NHI			2000	1991	2017	2009	MOH NHI database, NZCR		
	P	Cause of death	Breast cancer / Other / Unknown			2000	1991	2017	2009	MOH NHI database, NZCR		
	P	Cause of death verified by MOH	No / Yes			2000	1991	2010	2009	MOH NHI database, NZCR	Verified approximately every 2-3 years by MOH mortality collection	
		ICD code of the cause of death			2017	2017	2017	2017	2017	MOH NHI database, NZCR	Verified approximately every 2-3 years by MOH mortality collection	
	P	Regional Hub	Northern / Midland / Central / Southern. Auto-populated based on DHB of domicile		2022	2022	2022	2022	2022	Auto-populated from domicile code		
	P	Data Entry Region	Northern / Midland / Central / Southern. Auto-populated based on DE UserID		2017	2017	2017	2017	2017	Auto-populated from region DE person located		
		DHB region code	Northland, Waitemata, Auckland, Counties-Manukau, Waikato, Bay of Plenty, Tairāwhiti, Lakes, Taranaki, Whanganui, MidCentral, Hawkes Bay, Wairarapa, Hutt Valley, Capital and Coast, Nelson-Malborough, West Coast, Canterbury, South Canterbury, Southern. Auto-populated based on DHB of domicile		2022	2022	2022	2022	2022	Auto-populated from domicile code		
		Postcode (current)	Auto-calculated from NHI, complete from 2017 onwards		2017	2017	2017	2017	2017	MOH NHI database		
		Genetic test result (BRCA1)	Negative for specific known mutation / positive / variant of unknown clinical / significance / Uninformative result / Referred - not tested / Referred - result unknown		2017	2000	1991	2010	2009	Clinical letter		
		Genetic test result (BRCA2)	Negative for specific known mutation / positive / variant of unknown clinical / significance / Uninformative result / Referred - not tested / Referred - result unknown		2017	2000	1991	2010	2009	Clinical letter		
		Relative	Aunt/ Brother/ Daughter/ Father/ Grandfather/ Grandmother/ Mother/ Nephew/ Niece/ Sister/ Son/ Uncle/ None/ Unknown first degree/ Unknown second degree/ Unknown relative/ Unknown family history			2000	1991	2017	2009	Clinical letter. Midlands-Patient History form (paper)		

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Relative with cancer		Type of cancer	Breast/ Ovarian/ Brain/ Cervix/ Colorectal/ Leukaemia/ Liver/ Lung/ Pancreas/ Prostate / Stomach/ Other/ Unknown	Waikato	2017	2000	1991	2017	2017	Clinical letter. Midlands- Patient History form (paper)	Auckland only collected Breast and Ovarian until 2018	
		Age at diagnosis		Waikato	2017	2017	1991	2017	2017	Clinical letter. Midlands- Patient History form (paper)		
		Number of female siblings		Waikato	2017		1991			Clinical letter. Midlands- Patient History form (paper)		
		Number of male siblings		Waikato	2017		1991			Clinical letter. Midlands- Patient History form (paper)		
Workup- Workup	M	Date of tissue diagnosis				2000	1991	2010	2009	Core biopsy report		
	P	Surgeon	Lead Clinician responsible for patient. Surgeon lookup table.			2000	1991	2010	2009	Operation report		
	P	Clinic	Health facility name. HFC lookup table			2000	1991	2010	2009	Clinical letter, MDM		
	P	Lead Medical Oncologist			2017	2017	2017	2017	2017	Clinical letter, MDM		
		Lead Radiation Oncologist			2020	2020	2020	2020	2020	Clinical letter, MDM		
	P	Eligibility Status	Eligible and written consent provided / Eligible and consent not required (pre 2017) / Eligible but opted out / Eligible (diagnosed after 2017) / Ineligible / Pending			2000	1991	2010	2009	Derived from address		
		Notes				2000	1991	2010	2009	Clinical letter		
	P	Diagnosis type	Invasive / In situ / Invasive and insitu / Other breast lesion / Unknown		2017	2017	2017	2017	2017	Histopathology reports		
	P	Metastatic disease	Yes / No			2000	1991	2010	2009	Clinical letter, MDM		
	P	Postcode at diagnosis	Auto-calculated from NHI, complete from 2017 onwards		2017	2000	1991	2010	2009	MOH NHI database		
	P	Domicile code at diagnosis	Auto-calculated from NHI, complete from 2017 onwards		2017	2000	2017	2017	2009	MOH NHI database	Stats NZ domicile code V3 2013	
	P	Date of receipt of referral			2017	2016	1991	2017	2017	BPAC, HealthLink, MDM, Referral form		
		DHB of receipt of referral	Northland, Waitemata, Auckland, Counties-Manukau, Waikato, Bay of Plenty, Tairāwhiti, Lakes, Taranaki, Whanganui, MidCentral, Hawkes Bay, Wairarapa, Hutt Valley, Capital and Coast, Nelson-Malborough, West Coast, Canterbury, South Canterbury, Southern.		2017	2016	1991	2017	2017	BPAC, HealthLink, MDM, Referral form		
		DHB of domicile at referral	DHB lookup table. Derived from Domicile code at diagnosis		2017	2000	1991	2010	2009	BPAC, HealthLink, MDM, Referral form		
	P	Urgency of referral	Urgent / Semi-urgent / Low / Unknown		2017	2017	2016	2017	2016	BPAC, HealthLink, MDM, Referral form		
	P	Source of referral	GP (symptomatic)/ Emergency department/ Screen-detected BSA/ Screen-detected-non BSA/ A&E after hours/ Other hospital/ other department, same hospital/ Private specialist/ Private hospital/ Other/ Unknown			2000	1991	2010	2009	BPAC, HealthLink, MDM, Referral form, clinical letter		
	P	Did the patient present with symptoms at time of referral?	No / Yes			2000	1991	2010	2009	BPAC, HealthLink, MDM, Referral form, clinical letter		

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Workup- Referral details		Date of first presentation with symptoms		Waikato	2017	2017	1991	2017	2016	BPAC, HealthLink, MDM, Referral form, clinical letter		
		Side of lump	None / Left only / Right only / Bilateral / Unknown	Waikato & Christchurch	2017	2017	1991	2017	2009	BPAC, HealthLink, MDM, Referral form, clinical letter		
		Lump duration	weeks	Waikato & Christchurch	2017	2017	1991	2017	2009	BPAC, HealthLink, MDM, Referral form, clinical letter		
		Side of breast pain	None / Left only / Right only / Bilateral / Unknown	Waikato & Christchurch	2017	2017	1991	2017	2009	BPAC, HealthLink, MDM, Referral form, clinical letter		
		Pain duration	weeks	Waikato & Christchurch	2017	2017	1991	2017	2009	BPAC, HealthLink, MDM, Referral form, clinical letter		
		Pain severity	Mild / Moderate / Severe / Unknown	Waikato & Christchurch	2017	2017	1991	2017	2009	BPAC, HealthLink, MDM, Referral form, clinical letter		
		Pain related to menstrual cycle		Waikato & Christchurch	2017	2017	1991	2017	2009	BPAC, HealthLink, MDM, Referral form, clinical letter		
		Side of nipple change	None / Left only / Right only / Bilateral / Unknown	Waikato & Christchurch	2017	2017	1991	2017	2009	BPAC, HealthLink, MDM, Referral form, clinical letter		
		Nipple change duration	weeks	Waikato & Christchurch	2017	2017	2017	2017	2009	BPAC, HealthLink, MDM, Referral form, clinical letter		
		Nipple change	Inversion / Scaliness / Ulceration / Discharge / Other	Waikato & Christchurch	2017	2017	1991	2017	2009	BPAC, HealthLink, MDM, Referral form, clinical letter		
		Side of skin change	None / Left only / Right only / Bilateral / Unknown	Waikato & Christchurch	2017	2017	1991	2017	2009	BPAC, HealthLink, MDM, Referral form, clinical letter		
		Skin change duration	weeks	Waikato & Christchurch	2017	2017	1991	2017	2009	BPAC, HealthLink, MDM, Referral form, clinical letter		
		Skin change	Dimpling / Swelling / Redness	Waikato & Christchurch	2017	2017	1991	2017	2009	BPAC, HealthLink, MDM, Referral form, clinical letter		
		Description of other symptoms		Waikato & Christchurch	2017	2017	1991	2017	2009	BPAC, HealthLink, MDM, Referral form, clinical letter		
		Duration of other presenting complaints	weeks	Waikato & Christchurch	2017	2017	1991	2017	2009	BPAC, HealthLink, MDM, Referral form, clinical letter		
	P	Date patient informed of diagnosis			2017	2017	2017	2017	2017	Clinical letter, FCT record		
	P	Date of most valid diagnosis	Auto-calculated from diagnosis date		2017	2000	1991	2010	2009	Core, FNA, Surgical histopathology		
	P	Date of first specialist assessment (FSA)			2017	2000	1991	2017	2009	Clinical letter, FCT record, MDM summary		
	P	Site/Health facility of FSA	HFC lookup table		2017	2017	2017	2017	2017	Clinical letter, FCT record, MDM summary		
	P	Diagnosis pathology procedure	FNA / Core biopsy / Excision biopsy / Incisional biopsy / Punch biopsy / Vacuum assisted biopsy / Other / Unknown		2017	2017	2017	2017	2017	Clinical letter, FCT record, MDM summary		
	P	Date of first MDM			2017	2017	2017	2017	2017	Clinical letter, FCT record, MDM summary		
	P	MDM/ cancer plan intent	No active treatment / Curative / Non-curative / Prophylactic (insitu) / Unknown		2017	2017	2017	2017	2017	Clinical letter, FCT record, MDM summary		

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Workup- Faster cancer treatment	P	MDT agreed planned cancer treatment	No active treatment / Biological therapy / Chemotherapy / Hormone therapy / Other treatment / Radiation therapy / Surgery / Unknown		2017	2017	2017	2017	2017	Clinical letter, FCT record, MDM summary		
	P	Date of decision to treat			2017	2017	2017	2017	2017	Clinical letter, FCT record, MDM summary		
	P	Type of first cancer treatment	Surgery / Radiation therapy / Chemotherapy / Hormone or targeted therapy / Active management (watch and wait) / Palliative care / Declined treatment / Died before treatment started / Trial / Unknown		2017	2017	2017	2017	2017	Clinical letter, FCT record, MDM summary		
	P	Date of first cancer treatment			2017	2017	2017	2017	2017	Clinical letter, FCT record, MDM summary		
	P	Site/Health facility of first cancer treatment	HFC lookup table		2017	2017	2017	2017	2017	Clinical letter, FCT record, MDM summary		
	P	DHB of first cancer treatment	DHB lookup table. Auto-calculated from health facility		2017	2017	2017	2017	2017	Clinical letter, FCT record, MDM summary		
	P	Breast care nurse involved	Yes / No / Unknown		2017	2017	2017	2017	2017	Auto-populated to Yes for public patients		
Workup- Risk factors	P	DHB of diagnosis	DHB lookup table. Auto-calculated from domicile code		2017	2017	2017	2017	2017	Auto-calculated from domicile code		
	P	Previous breast cancer surgery	None / Same breast / Contralateral breast / Both breasts / Unknown		2017	2000	1991	2017	2009	Clinical letter. Midlands-Patient History form (paper)		
		Diagnosis date of previous breast cancer			2017	2000	1991	2010	2017	Clinical letter. Midlands-Patient History form (paper)		
		Previous breast cancer surgery date			2017	2000	1991	2010	2017	Clinical letter. Midlands-Patient History form (paper)		
	P	Height at diagnosis	cm		2017	2000	1991	2010	2009	Anaesthetic report, Patient history form, clinical letter		
	P	Weight at diagnosis	kg		2017	2000	1991	2010	2009	Anaesthetic report, Patient history form, clinical letter		
		BMI	Auto-calculated from height and weight, can be manually entered if height or weight is missing		2017	2017	2017	2017	2017	Anaesthetic report, Patient history form, clinical letter	If Height or Weight entered as 999 (unknown) then BMI invalid	
	P	Menopausal status	Pre / Peri / Post / Unknown			2000	1991	2010	2009	Clinical letter. Midlands-Patient History form (paper)		
		Gestational status at diagnosis	Not pregnant (now or in last 12months) / Recently pregnant (within the last 12months) / Currently pregnant / Unknown			2000	1991	2010	2009	Clinical letter. Midlands-Patient History form (paper)		
		Date of last period		Waikato	2017	2017	1991	2017	2017	Clinical letter. Midlands-Patient History form (paper)		
		Date of menopause		Waikato	2017	2017	1991	2017	2017	Clinical letter. Midlands-Patient History form (paper)		
		Previous hysterectomy	No / Yes	Waikato	2017	2016	1991	2017	2012	Clinical letter. Midlands-Patient History form (paper)		
		Previous oophorectomy	No / Unilateral / Bilateral / Unknown	Waikato	2017	2016	1991	2017	2012	Clinical letter. Midlands-Patient History form (paper)		
		Date of previous oophorectomy		Waikato	2017	2017	1991	2017	2017	Clinical letter. Midlands-Patient History form (paper)		

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Workup- Other risk factors		Hormone replacement therapy	None / Current / Previous / Unknown			2000	1991	2010	2009	Clinical letter. Midlands-Patient History form (paper)		
		Duration of HRT	years	Waikato	2017	2017	1991	2017	2017	Clinical letter. Midlands-Patient History form (paper)		
		Date HRT stopped		Waikato	2017	2017	1991	2017	2017	Clinical letter. Midlands-Patient History form (paper)		
		OCP or other hormonal contraception in the last 3 months	No / Yes	Waikato	2017	2015	1991	2017	2017	Clinical letter. Midlands-Patient History form (paper)		
		Name of OCP / hormonal contraception		Waikato	2017	2017	1991	2017	2009	Clinical letter. Midlands-Patient History form (paper)		
		Total years OCP used	years	Waikato	2017	2017	1991	2017	2009	Clinical letter. Midlands-Patient History form (paper)		
		Age at first period	years	Waikato	2017	2017	1991	2017	2012	Clinical letter. Midlands-Patient History form (paper)		
		Number of births	births	Waikato	2017	2017	1991	2017	2012	Clinical letter. Midlands-Patient History form (paper)		
		Age at first birth	years	Waikato	2017	2017	1991	2017	2012	Clinical letter. Midlands-Patient History form (paper)		
		Breast feeding duration	months	Waikato	2017	2017	1991	2017	2012	Clinical letter. Midlands-Patient History form (paper)		
		Exercise hours per week	hours	Waikato	2017	2017	1991	2017	2012	Clinical letter. Midlands-Patient History form (paper)		
		Alcohol consumption per week	units	Waikato	2017	2017	1991	2017	2016	Clinical letter. Midlands-Patient History form (paper)		
		Smoking status	Never smoked / Non-smoker exposed to tobacco smoke / Ex-smoker > 12 months / Ex-smoker < 12 months / Current smoker / Unknown			2000	1991	2010	2009	Clinical letter. Midlands-Patient History form (paper)		
		Number of cigarettes per day		Waikato	2017	2017	1991	2017	2009	Clinical letter. Midlands-Patient History form (paper)		
		Years smoked	years	Waikato & Christchurch	2017	2017	1991	2017	2009	Clinical letter. Midlands-Patient History form (paper)		
		ECOG status	0 - Fully active / 1 - Restricted in strenuous activity / 2 - Ambulatory and capable of self care / 3 - Limited self care / 4 - Completely disabled / 99 -Not stated			2000	1991	2010	2009	Clinical letter. Midlands-Patient History form (paper)		

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	P	Charlson comorbidities	Nil / Peripheral vascular disease/ Chronic lung disease/ Chronic liver disease/ Moderate or severe kidney disease/ Leukaemia/ Malignant tumour; metastasis/ Myocardial infarction/ Dementia/ Connective tissue disease/ Diabetes; uncomplicated/ Diabetes with end organ damage/ Lymphoma/ AIDS/ Congestive heart failure/ Cerebro- vascular disease/ Peptic ulcer disease/ Hemiplegia/ Solid tumour/ Moderate or severe liver disease/ Unknown			2017	1991	2018	2016	Clinical letter. Midlands- Patient History form (paper)		
		Charlson comorbidity score	Auto-calculated from Charlson comorbidities			2000	1991	2010	2009	Clinical letter. Midlands- Patient History form (paper)		
Workup- Previous history		Breast reconstruction	No / Left / Right / Bilateral / Yes; side unknown / Unknown	Waikato & Christchurch	2017	2017	1991	2017	2016	Clinical letter. Midlands- Patient History form (paper)		
		Date of breast reconstruction		Waikato & Christchurch	2017	2017	1991	2017	2016	Clinical letter. Midlands- Patient History form (paper)		
		Breast implant	No / Left / Right / Bilateral / Yes; side unknown / Unknown	Waikato & Christchurch	2017	2017	1991	2017	2016	Clinical letter. Midlands- Patient History form (paper)		
		Date of breast implant		Waikato & Christchurch	2017	2017	1991	2017	2016	Clinical letter. Midlands- Patient History form (paper)		
		Needle biopsy	No / Left / Right / Bilateral / Yes; side unknown / Unknown	Waikato & Christchurch	2017	2017	1991	2017	2016	Clinical letter. Midlands- Patient History form (paper)		
		Date of needle biopsy		Waikato & Christchurch	2017	2017	1991	2017	2016	Clinical letter. Midlands- Patient History form (paper)		
		Benign lump removed	No / Left / Right / Bilateral / Yes; side unknown / Unknown	Waikato & Christchurch	2017	2017	1991	2017	2016	Clinical letter. Midlands- Patient History form (paper)		
		Date benign lump removed		Waikato & Christchurch	2017	2017	1991	2017	2016	Clinical letter. Midlands- Patient History form (paper)		
		Breast cyst	No / Left / Right / Bilateral / Yes; side unknown / Unknown	Waikato & Christchurch	2017	2017	1991	2017	2016	Clinical letter. Midlands- Patient History form (paper)		
		Date of breast cyst		Waikato & Christchurch	2017	2017	1991	2017	2016	Clinical letter. Midlands- Patient History form (paper)		
		Breast abscess	No / Left / Right / Bilateral / Yes; side unknown / Unknown	Waikato & Christchurch	2017	2017	1991	2017	2016	Clinical letter. Midlands- Patient History form (paper)		
		Date of breast abscess		Waikato & Christchurch	2017	2017	1991	2017	2016	Clinical letter. Midlands- Patient History form (paper)		
		Other significant past history		Waikato & Christchurch	2017	2017	1991	2017	2016	Clinical letter. Midlands- Patient History form (paper)		
	P	Presenting complaint	Screen detected / Lump / Pain / Nipple change / Skin change / Other findings			2000	1991	2010	2009	Clinical letter. Midlands- Patient History form (paper), referral form		
		Nipple discharge	None / Clear / Bloodstained / Mucky / Other	Waikato & Christchurch	2017	2017	1991	2017	2009	Clinical letter. Midlands- Patient History form (paper), referral form		

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Workup- Breast findings at clinical examination		Suspicious lymph nodes found	None / Left only / Right only / Left & right	Waikato & Christchurch	2017	2017	1991	2017	2009	Clinical letter, Waikato Clinical examination form (paper)		
		Axilla nodes examination	Normal / Mobile / Fleshy/benign / Indeterminate / Hard/suspicious / Fixed/matted / Not examined / Data not available	Waikato	2017	2017	1991	2017	2017	Clinical letter, Waikato Clinical examination form (paper)		
		Axilla clinical probability code	Normal / Benign / Probably benign / Indeterminate / Probably malignant / Malignant	Waikato	2017	2017	1991	2017	2017	Clinical letter, Waikato Clinical examination form (paper)		
		Axilla clinical plan outcome code	No further investigation / Mag views / Ultrasound / Ductogram / MRI/other / Clinical assessment / FNA / Core biopsy / Surgery / Definitive diagnosis - treatment required	Waikato	2017	2017	1991	2017	2017	Clinical letter, Waikato Clinical examination form (paper)		
		Suspicious supraclavicular nodes found	None / Left only / Right only / Left & right	Waikato	2017	2017	1991	2017	2017	Clinical letter, Waikato Clinical examination form (paper)		
		SCF nodes examination	Normal / Mobile / Fleshy/benign / Indeterminate / Hard/suspicious / Fixed/matted / Not examined / Data not available	Waikato	2017	2017	1991	2017	2017	Clinical letter, Waikato Clinical examination form (paper)		
		SCF clinical probability code	Normal / Benign / Probably benign / Indeterminate / Probably malignant / Malignant	Waikato	2017	2017	1991	2017	2017	Clinical letter, Waikato Clinical examination form (paper)		
		SFC clinical plan outcome code	No further investigation / Mag views / Ultrasound / Ductogram / MRI/other / Clinical assessment / FNA / Core biopsy / Surgery / Definitive diagnosis - treatment required	Waikato	2017	2017	1991	2017	2017	Clinical letter, Waikato Clinical examination form (paper)		
	P	Clinical examination	Positive result / Negative result	Waikato	2017	2016	1991	2017	2016	Clinical letter, Waikato Clinical examination form (paper), MDM		
	P	Mammography	Positive result / Negative result	Waikato	2017	2016	1991	2017	2016	Clinical letter, MDM		
	P	Ultrasound	Positive result / Negative result	Waikato	2017	2016	1991	2017	2016	Clinical letter, MDM		
	P	FNA/ Cytology	Positive result / Negative result	Waikato	2017	2016	1991	2017	2016	Clinical letter, MDM		
	P	Core Biopsy	Positive result / Negative result	Waikato	2017	2016	1991	2017	2016	Clinical letter, MDM		
		Excision biopsy	Positive result / Negative result	Waikato	2017	2016	1991	2017	2016	Clinical letter, MDM		
		Hookwire WLE	Positive result / Negative result	Waikato	2017	2016	1991	2017	2016	Clinical letter, MDM		
		Punch biopsy	Positive result / Negative result	Waikato	2017	2016	1991	2017	2016	Clinical letter, MDM		
		MRI	Positive result / Negative result	Waikato	2017	2016	1991	2017	2016	Clinical letter, MDM		
		CT scan	Positive result / Negative result	Waikato	2017	2016	1991	2017	2016	Clinical letter, MDM		
	P	Other	Positive result / Negative result	Waikato	2017	2016	1991	2017	2016	Clinical letter, MDM		
	P	Details of other pre-operative diagnostic method	e.g Bone Scan	Waikato	2017	2016	1991	2017	2016	Clinical letter, MDM		
	P	Clinical T stage based on primary tumour	0 / is / is(DCIS) / is(LCIS) / is(Paget's) / 1 / 1mi / 1a / 1b / 1c / 2 / 3 / 4 / 4a / 4b / 4c / 4d / X	Waikato	2017	2000	1991	2017	2009	Clinical letter, MDM	Until 2018 Auckland only collected clinical TNM if patient had no surgery/or patient had mets	
	P	Clinical N stage	0 / 1 / 2 / 2a / 2b / 3 / 3a / 3b / 3c / X	Waikato	2017	2000	1991	2017	2009	Clinical letter, MDM	Until 2018 Auckland only collected clinical TNM if patient had no surgery/or patient had mets	
	P	Clinical M stage	0 / 1 / X	Waikato	2017	2000	1991	2017	2009	Clinical letter, MDM	Until 2018 Auckland only collected clinical TNM if patient had no surgery/or patient had mets	

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	P	Clinical Prognostic Stage	Stage 0 / Stage 1A / Stage 1B / Stage 2A / Stage 2B / Stage 3A / Stage 3B / Stage 3C / Stage 4 / Not applicable. Derived from clinical TNM stage fields		2020	2020	2020	2020	2020			
		Clinical TNM Date			2020	2020	2020	2020	2020			
		Clinical TNM - Edition 8 staging	Default (since 2018) = 8		2020	2020	2020	2020	2020	Clinical letter, MDM		
Workup- Clinical trials		Clinical trial	No / Yes / Unknown			2000	1991	2010	2009	Clinical letter, MDM	Difficult to collect	
		Name of trial				2000	1991	2010	2009	Clinical letter, MDM		
Lesions- Location of suspicious lesion	P	Lesion One	Lesion 1		2017	2000	1991	2010	2009		Most invasive lesion	
		Lesion Two	Default= Lesion 2 if entered		2017	2000	1991	2010	2009		If bilateral, most invasive contralateral side lesion	
		Lesion Three	Default= Lesion 3 if entered		2017	2017	2017	2017	2017			
		Bilateral synchronous breast cancer	No / Yes		2017	2017	2017	2017	2017	Clinical letter, MDM, imaging report, lab report, operation report		
	P	Breast side	1= Left, 2= Right		2017	2017	1991	2017	2017	Clinical letter, MDM, imaging report, lab report, operation report		
	P	Location quadrant	Lateral / Medial / Superior / Inferior / Central / UOQ/Supero-lateral / UIQ/Supero-medial / LOQ/Infero-lateral / LIQ/Infero-medial / Axillary tail / Unspecified/ Unknown			2000	1991	2010	2009	Clinical letter, MDM, imaging report, lab report, operation report		
		Location clockface	0-14	Waikato/Christchurch	2017	2000	1991	2017	2009	Clinical letter, MDM, imaging report, lab report, operation report		
		Location zone	0 / 1 / 2 / 3 / 4 / 5 / More than 1 zone / Not stated/Unknown	Waikato	2017	2017	1991	2017	2017	Clinical letter, MDM, imaging report, lab report, operation report		
		Distance from nipple	mm		2016	2016	2017	2017	2016	Ultrasound report, lab report		
	M	Investigations	None / Clinical Exam / Mammogram / Ultrasound / MRI / FNA / Core biopsy / Histopathology			2000	1991	2010	2009	Clinical letter, MDM		
Lesions- Clinical examination	P	Date of clinical exam			2016	2016	2015	2017	2016	Clinical letter, MDM, Waikato Clinical examination form (paper)		
	P	Abnormal findings	None / Thickening, lumpiness / Deep fixation / Discrete lump / Erythema / Nipple inversion / Nipple scaliness / Normal nodularity / Oedema / Satellite nodule / Scar / Skin dimpling / Skin infiltration, attachment / Skin ulceration / Tenderness / Other / Unknown		2016	2016	2012	2017	2016	Clinical letter, MDM, Waikato Clinical examination form (paper)		
		Clinical probability code	Normal / Benign / Probably benign / Indeterminate / Probably malignant / Malignant	Waikato	2017	2017	1991	2017	2017	Clinical letter, MDM, Waikato Clinical examination form (paper)		
		Clinical plan outcome code	No further investigation / Mag views / Ultrasound / Ductogram / MRI/other / Clinical assessment / FNA / Core biopsy / Surgery / Definitive diagnosis - treatment required	Waikato	2017	2017	1991	2017	2017	Clinical letter, MDM, Waikato Clinical examination form (paper)		

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Lesions- Mammogr am	P	Date of mammography				2000	1991	2010	2009	Clinical letter, MDM, imaging report, BSA database, referral form		
	P	Site / Health facility of mammography	Public / Private / Unknown		2017	2017	2017	2017	2017	Clinical letter, MDM, imaging report, BSA database, referral form		
	P	Carcinoma visible on mammography	No / Yes / Unknown			2000	1991	2010	2009	Clinical letter, MDM, imaging report, BSA database, referral form		
		Size on mammography	mm			2000	1991	2010	2009	Clinical letter, MDM, imaging report, BSA database, referral form		
		Mammography features	Normal / Architectural distortion / Asymmetric density / Density replacing whole breast / Discrete mass / Ill defined mass / Indeterminate / Irregular mass / Lobulated / Microcalcification, calcification / Multiple masses / Non- specific density / Spiculated mass (stellate lesion) / Subtle distortion / Well defined mass / Other / Not stated, Unknown			2000	1991	2010	2009	Clinical letter, MDM, imaging report, BSA database, referral form		
	P	Mammography result	Normal/ definitely benign / Probably benign / Indeterminate / Suspicious / Malignant / Unknown			2000	1991	2010	2009	Clinical letter, MDM, imaging report, BSA database, referral form		
		Microcalcification maximum extent	mm			2000	1991	2010	2009	Clinical letter, MDM, imaging report, BSA database, referral form		
		Distribution of calcifications	Single cluster / Multiple clusters / Scattered / Segmented / Unknown			2000	1991	2010	2009	Clinical letter, MDM, imaging report, BSA database, referral form		
		Overall breast density	Predominantly fatty / Predominantly dense / Mixed			2000	1991	2010	2009	Clinical letter, MDM, imaging report, BSA database, referral form		
		Significant changes since last mammogram	No / Yes			2000	1991	2017	2017	Clinical letter, MDM, imaging report, BSA database, referral form		
		Date of last mammogram				2000	1991	2017	2017	Clinical letter, MDM, imaging report, BSA database, referral form		
		Time since last mammogram	months	Waikato	2017	2017	1991	2017	2017	Clinical letter, MDM, imaging report, BSA database, referral form		
	P	Suspicious lymph nodes detected on mammogram	No / Yes	Waikato & Christchurch	2017	2017	2009	2017	2009	Clinical letter, MDM, imaging report, BSA database, referral form		
	P	Date of ultrasound				2000	1991	2010	2009	Clinical letter, MDM, imaging report, referral form		
	P	Site / Health facility of ultrasound	Public / Private / Unknown		2017	2017	2017	2017	2017	Clinical letter, MDM, imaging report, referral form		
	P	Carcinoma visible on ultrasound	No / Yes / Unknown			2000	1991	2010	2009	Clinical letter, MDM, imaging report, referral form		
		Size on ultrasound	mm			2000	1991	2010	2009	Clinical letter, MDM, imaging report, referral form		

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Lesions- Ultrasound		Ultrasound features	Normal breast / Acoustic shadowing / Calcification / Cyst(s) / Distortion / Heterogeneous/mixed echogenicity / Hypoechoic region / Indeterminate / Irregular / Lobulated / Oedema / Sebaceous cyst / Solid, cystic – suspicious / Spiculated mass / Vascular / Other / Not stated, Unknown			2000	1991	2010	2009	Clinical letter, MDM, imaging report, referral form		
	P	Ultrasound result	Normal/ definitely benign / Probably benign / Indeterminate / Suspicious / Malignant / Unknown			2000	1991	2010	2009	Clinical letter, MDM, imaging report, referral form		
	P	Suspicious lymph nodes detected on ultrasound	No / Yes	Waikato & Christchurch	2017	2017	2009	2017	2009	Clinical letter, MDM, imaging report, referral form		
Lesions- MRI	P	Date of MRI				2000	1991	2010	2009	Clinical letter, MDM, imaging report, referral form		
	P	Site / Health facility of MRI	Public / Private / Unknown		2017	2017	2017	2017	2017	Clinical letter, MDM, imaging report, referral form		
	P	Carcinoma visible on MRI	No / Yes / Unknown			2000	1991	2010	2009	Clinical letter, MDM, imaging report, referral form		
		Size on MRI	mm			2000	1991	2010	2009	Clinical letter, MDM, imaging report, referral form		
		Suspicious lymph nodes detected on MRI	No / Yes	Waikato & Christchurch	2017	2017	2009	2017	2009	Clinical letter, MDM, imaging report, referral form		
Lesions- Cytopathology - FNA	P	Date of FNA				2000	1991	2010	2009	Clinical letter, MDM, lab report, referral form		
	P	Site / Health facility of procedure	Public / Private / Unknown		2017	2017	2017	2017	2017	Clinical letter, MDM, lab report, referral form		
		FNA laboratory				2000	1991	2010	2009	Clinical letter, MDM, lab report, referral form		
		FNA lab accession number			2017	2017	2017	Not recorded	2017	Clinical letter, MDM, lab report, referral form		
		FNA reporting pathologist		Christchurch	2017	2017	2017	2017	2009	Clinical letter, MDM, lab report, referral form		
		FNA specimen type localization	Not done / Palpation / Ultrasound guided / Stereotactic / Unknown			2000	1991	2010	2009	Clinical letter, MDM, lab report, referral form		
	P	FNA (cytology) breast result	Inadequate/unsatisfactory specimen (C1) / Benign (C2) / Uncertain/ Indeterminate (C3) / Suspicious of malignancy (C4) / Malignant (C5)			2000	1991	2010	2009	Clinical letter, MDM, lab report, referral form		
	P	Diagnosis pathology axillary nodes sampled – FNA	No / FNA	Waikato & Christchurch	2017	2017	2009	2017	2009	Clinical letter, MDM, lab report, referral form		
		FNA (cytology) node result	Inadequate/unsatisfactory specimen / Benign / Uncertain/ Indeterminate / Suspicious of malignancy / Malignant	Waikato & Christchurch		2016	2015	2016	2009	Clinical letter, MDM, lab report, referral form		
	P	Date of core biopsy				2000	1991	2010	2009	Clinical letter, MDM, lab report, referral form		
		Core biopsy laboratory				2000	1991	2010	2009	Clinical letter, MDM, lab report, referral form		
		Core biopsy lab accession number				2000	2017	Not recorded	2009	Clinical letter, MDM, lab report, referral form		
		Core biopsy reporting pathologist		Christchurch	2017	2017	2017	2017	2009	Clinical letter, MDM, lab report, referral form		

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Lesions- Cytopathology - core biopsy		Core biopsy specimen type localization	Not done / Palpation / Ultrasound guided / Stereotactic / MRI / Tomosynthesis / Vacuum assisted / Unknown			2000	1991	2010	2009	Clinical letter, MDM, lab report, referral form	MRI, Tomosynthesis and Vacuum assisted options added 2023	
	P	Core biopsy breast result	Normal (B1) / Benign (B2) / Uncertain malignant potential/ indeterminate (B3) / Suspicious (B4) / Malignant in situ (B5a) / Malignant invasive (B5b) / Not assessable / Other (specify)			2000	1991	2010	2009	Clinical letter, MDM, lab report, referral form		
		Morphology of invasive carcinoma	Ductal / Lobular / Tubular/ etc. Histological type lookup table		2017	2017	2017	2017	2017	Clinical letter, MDM, lab report, referral form		
		Core biopsy invasive cancer grade	1 / 2 / 3 / Unknown,not assessable			2003	2014	2017	2009	Clinical letter, MDM, lab report, referral form		
		Core biopsy lymphovascular invasion seen	No / Probable / Definite	Christchurch		2017	2017	2017	2009	Clinical letter, MDM, lab report, referral form		
		Core biopsy DCIS grade	None / Low / Intermediate / High / Unknown	Christchurch		2017	2017	2017	2009	Clinical letter, MDM, lab report, referral form		
	P	Diagnosis pathology axillary nodes sampled - Core biopsy	No / Yes	Waikato & Christchurch	2017	2014	1991	2017	2009	Clinical letter, MDM, lab report, referral form		
		Core biopsy node result	Normal / Benign / Uncertain malignant potential/ indeterminate / Suspicious / Malignant / Not assessable	Waikato & Christchurch		2000	1991	2010	2009	Clinical letter, MDM, lab report, referral form		
		Core biopsy oestrogen result	Negative / Positive / Not tested / Unknown			2000	1991	2010	2009	Clinical letter, MDM, lab report, referral form		
		Core biopsy ER Allred score	0 - 8, auto-calculated	Christchurch	2019	2019	2017	2017	2009	Clinical letter, MDM, lab report, referral form		
		Core biopsy ER proportion staining	%			2000	2000	2017	2009	Clinical letter, MDM, lab report, referral form		
		Core biopsy ER staining intensity	No staining / Weak / Moderate / Strong	Waikato & Christchurch	2017	Nov-19	2000	2017	2009	Clinical letter, MDM, lab report, referral form		
		Core biopsy progesterone result	Negative / Positive / Not tested / Unknown			2000	1991	2010	2009	Clinical letter, MDM, lab report, referral form		
		Core biopsy PR Allred score	0 - 8, auto-calculated	Christchurch	2019	2019	2017	2017	2009	Clinical letter, MDM, lab report, referral form		
		Core biopsy PR proportion staining	%	Waikato & Christchurch		2000	2000	2017	2009	Clinical letter, MDM, lab report, referral form		
		Core biopsy PR staining intensity	No staining / Weak / Moderate / Strong	Waikato & Christchurch	2017	Nov-19	2000	2017	2009	Clinical letter, MDM, lab report, referral form		
		Her2 & other biological markers performed	No / Yes / Pending result		2017	2017	2017	2017	2017	Clinical letter, MDM, lab report, referral form		
Surgery for primary cancer- Surgery for primary cancer	P	Date of surgery	Auto-calculated from FCT first cancer treatment date, where first ca tx = Surgery			2000	1991	2010	2009	Clinical letter, MDM, operation report, lab report, discharge summary		
	P	Side	Left / Right / Bilateral			2000	1991	2010	2009	Clinical letter, MDM, operation report, lab report, discharge summary		
	P	Site / Health facility of surgery	Public / Private / Unknown			2000	1991	2010	2009	Clinical letter, MDM, operation report, lab report, discharge summary		
	P	Health facility of surgery	HFC lookup table			2000	1991	2010	2009	Clinical letter, MDM, operation report, lab report, discharge summary		
		DHB of surgery	DHB lookup table. Auto-calculated from Health facility of surgery		2017	2000	1991	2010	2009	Clinical letter, MDM, operation report, lab report, discharge summary		

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Surgery for primary cancer- Left/Right breast	P	Surgeon	Surgeon lookup table			2000	1991	2010	2009	Clinical letter, MDM, operation report, lab report, discharge summary		
		Tissue banked	No / Yes	Auckland & Christchurch	2017	2017	2017	2017	2017	Clinical letter, MDM, operation report, lab report, discharge summary	Northshore hospital only	
		Departure from usual management	No / Yes / Unknown			2000	1991	2010	2009	Clinical letter, MDM, operation report, lab report, discharge summary		
	P	Type of axillary surgery	No axillary surgery required / Sampling / Level 1 / Level 2 (AND) / Level 3 (ANC) / Sentinel node biopsy / Targeted Axillary Dissection (TAD) / Declined / Different through patient choice / Other / Unknown			2000	1991	2010	2009	Clinical letter, MDM, operation report, lab report, discharge summary	Sampling and TAD added 2023. Previously sampling and Level 1 were combined	
		Were sensory nerves preserved	No / Yes / Unknown	Waikato & Christchurch		2017	1991	2017	2009	Clinical letter, MDM, operation report, lab report, discharge summary		
	P	Type of breast surgery	No breast surgery / Lumpectomy, excision biopsy / Mastectomy / Prophylactic mastectomy / Re-excision / WLE/partial mastectomy / Unknown			2000	1991	2010	2009	Clinical letter, MDM, operation report, lab report, discharge summary		
		IGE code	Image Guided Excision - None / Hookwire / MagSeed / Pintuition / ROLLIS / Savi Scout / USG / Other / Unknown		2017	2000	1991	2010	2009	Clinical letter, MDM, operation report, lab report, discharge summary	Savi Scout, Pintuition and MagSeed added 2023	
		Type of Lumpectomy/biopsy	Nipple/Areolar / Subareolar Duct / Excision / Microdochectomy / Other	Waikato	2017	2017	1991	not recorded	2017	Clinical letter, MDM, operation report, lab report, discharge summary		
		Type of mastectomy	Skin-sparing / Nipple-sparing / Total / Toilet (palliative)		2017	2017	2017	2017	2017	Clinical letter, MDM, operation report, lab report, discharge summary		
		Indications for mastectomy	Ineligible for radiation therapy / Multi- focality or extensive DCIS / Patient choice / Patient morbidity / Previous radiation therapy / Size of cancer vs breast size		2017	2017	2017	2017	2017	Clinical letter, MDM, operation report, lab report, discharge summary		
		Complications of mastectomy	None / Return to theatre for haematoma / Return to theatre for infection / Skin flap necrosis / Scar revision	Christchurch	2015	2016	2017	2017	2015	Clinical letter, MDM, operation report, lab report, discharge summary		
		WLE (details)	Subcutaneous to deep fascia (Y/N) / Specimen to x-ray (Y/N) / Lesion in specimen (Y/N)	Waikato	2017	2017	1991	2017	2017	Clinical letter, MDM, operation report, lab report, discharge summary		
		Residual disease at surgical site	None / Microscopic / Macroscopic		2017	2017	2017	2017	2017	Clinical letter, MDM, operation report, lab report, discharge summary		
		Complications of breast conserving surgery	None / Return to theatre for haematoma / Return to theatre for infection / Return to theatre for ischaemia of wound/loss of flap		2017	2017	2017	2017	2017	Clinical letter, MDM, operation report, lab report, discharge summary		

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		Significant infection	None / Return to theatre for washout only / Return to theatre for washout & application of vacuum dressing / Hospital admission for intravenous antibiotics		2017	2017	2017	2017	2017	Clinical letter, MDM, operation report, lab report, discharge summary		
		Prolonged seroma	No / Greater than 2 months / Greater than 6 months / Greater than one year		2017	2017	2017	2017	2017	Clinical letter, MDM, operation report, lab report, discharge summary		
Reconstruction	P	Side	Left / Right			2000	1991	2010	2009	Clinical letter, MDM, operation report, lab report, discharge summary		
	P	Date of reconstruction				2000	1991	2010	2009	Clinical letter, MDM, operation report, lab report, discharge summary		
		Site / Health facility of reconstruction	Public / Private / Unknown		2017	2017	2017	2017	2017	Clinical letter, MDM, operation report, lab report, discharge summary		
		Health facility of reconstruction	HFC lookup table		2017	2017	2017	2017	2017	Clinical letter, MDM, operation report, lab report, discharge summary		
		DHB of reconstruction	DHB lookup table		2017	2017	2017	2017	2017	Clinical letter, MDM, operation report, lab report, discharge summary		
		Reconstructive surgeon	Surgeon lookup table			2000	1991	2010	2009	Clinical letter, MDM, operation report, lab report, discharge summary		
		Timing of reconstruction	Immediate / Delayed		2017	2017	2017	2017	2017	Clinical letter, MDM, operation report, lab report, discharge summary		
		Time from mastectomy if delayed	months, calculated		2017	2017	2017	2017	2017	Clinical letter, MDM, operation report, lab report, discharge summary		
		Type of reconstruction	Reconstruction lookup table			2000	1991	2010	2009	Clinical letter, MDM, operation report, lab report, discharge summary		
		Reconstruction defect	Partial / Total	Christchurch	2017	2017	2017	2017	2017	Clinical letter, MDM, operation report, lab report, discharge summary		
		Surgery in contralateral breast	None / Augmentation / Mastopexy / Reconstruction / Reduction / Other			2000	1991	2010	2009	Clinical letter, MDM, operation report, lab report, discharge summary		
		Nipple reconstruction	No / Bostwick/ Graft/ CV flap / Graft / Trilobed flap / V-Y flap / Other / Unknown	Christchurch	2017	2017	2017	2017	2017	Clinical letter, MDM, operation report, lab report, discharge summary		
		Details of other nipple reconstruction		Christchurch	2017	2017	2017	2017	2017	Clinical letter, MDM, operation report, lab report, discharge summary		

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		Areolar reconstruction	No / Tattoo / Graft / Other (specify)	Christchurch	2017	2017	2017	2017	2017	Clinical letter, MDM, operation report, lab report, discharge summary		
		Early complications	None / Return to theatre for haematoma / Return to theatre for anastomosis / Return to theatre for infection / Return to theatre for necrosis / Delayed healing / Flap loss / Implant loss / Skin necrosis	Christchurch	2017	2017	2017	2017	2017	Clinical letter, MDM, operation report, lab report, discharge summary		
		Late complications	None / Capsular contracture / Asymmetry requiring surgery / Donor site weakness / Fat necrosis / Scarring requiring intervention	Christchurch	2017	2017	2017	2017	2017	Clinical letter, MDM, operation report, lab report, discharge summary		
		General complications	None / Delay of adjuvant therapy / Failure of reconstruction	Christchurch	2017	2017	2017	2017	2017	Clinical letter, MDM, operation report, lab report, discharge summary		
Lesions- Histopathology lesion	M	Invasive tumour size	mm			2000	1991	2010	2009	Clinical letter, MDM, lab report		
		Combined tumour size	mm			2000	1991	2010	2009	Clinical letter, MDM, lab report		
		DCIS tumour size	mm			2000	1991	2010	2009	Clinical letter, MDM, lab report	Auckland only entered this for DCIS only cases. Any DCIS entered consistently from Nov 2019	
		Primary Site ICD			2017	2017	2017	2017	2017	Clinical letter, MDM, lab report		
		Histological invasive cancer grade	1 / 2 / 3 / Unknown/not assessable			2000	1991	2010	2009	Clinical letter, MDM, lab report		
		Tubules	1 / 2 / 3 /	Waikato & Christchurch	2017	2017	1991	2017	2009	Clinical letter, MDM, lab report		
		Nuclear pleomorphism	1 / 2 / 3 /	Waikato & Christchurch	2017	2017	1991	2017	2009	Clinical letter, MDM, lab report		
		Mitoses	1 / 2 / 3 /	Waikato & Christchurch	2017	2017	1991	2017	2009	Clinical letter, MDM, lab report		
		Highest DCIS grade	Low / Intermediate / High / Unknown/Not Stated			2000	1991	2010	2009	Clinical letter, MDM, lab report		
		DCIS architecture	Cribriform / Flat / Micropapillary / Papillary / Solid / Solid papillary / Encapsulated papillary carcinoma in situ / Other (specify) / Unknown			2000	1991	2010	2009	Clinical letter, MDM, lab report		
		DCIS necrosis	None/minimal / Present / Unknown			2000	1991	2010	2009	Clinical letter, MDM, lab report		
		DCIS only microinvasion <1 mm	No / Yes	Christchurch	2017	not recorded	2017	not recorded	2009	Clinical letter, MDM, lab report		
		Basal phenotype	No / Yes	Waikato & Christchurch	2017	not recorded	2010	not recorded	2009	Clinical letter, MDM, lab report		
		Morphology of invasive carcinoma	Ductal / Lobular / Other			2000	1991	2010	2009	Clinical letter, MDM, lab report		
		Non-epithelial tumour type	Phyllodes (benign) / Phyllodes (borderline=intermediate) / Phyllodes (malignant=high grade) / Sarcoma / Other	Malignant phyllodes/Sarcoma - Waikato & Auckland		2000	2005	2010	2009	Clinical letter, MDM, lab report		
		Non-epithelial tumour size	mm	Waikato & Auckland		2000	2005	2010	2009	Clinical letter, MDM, lab report		
		Oestrogen result	Negative / Positive / Not tested / Unknown			2000	1991	2010	2009	Clinical letter, MDM, lab report		
		Oestrogen Allred score	0 - 8	Christchurch	2019	Nov-19	2017	2017	Nov-19	Clinical letter, MDM, lab report		
		Oestrogen proportion staining	%			2000	2000	2017	2009	Clinical letter, MDM, lab report		

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		Oestrogen staining intensity	No staining / Weak / Moderate / Strong	Waikato & Christchurch	2017	2016	2000	2017	2009	Clinical letter, MDM, lab report		
		Progesterone result	Negative / Positive / Not tested / Unknown			2000	1991	2010	2009	Clinical letter, MDM, lab report		
		Progesterone Allred score	0 - 8	Christchurch	2019	2019	2017	2017	2009	Clinical letter, MDM, lab report		
		Progesterone proportion staining	%	Waikato & Christchurch		2000	2000	2017	2009	Clinical letter, MDM, lab report		
		Progesterone staining intensity	No staining / Weak / Moderate / Strong	Waikato & Christchurch	2017	Nov-19	2000	2017	Nov-19	Clinical letter, MDM, lab report		
		Her2 & other biological markers performed	No / Yes / Pending result		2017	2017	1994	2017	2017	Clinical letter, MDM, lab report		
Histopathology-Specimen & macroscopic findings	P	Side	Left / Right			2000	1991	2010	2009	Clinical letter, MDM, lab report		
		Histopathology date (received/reported)				2000	1991	2010	2009	Clinical letter, MDM, lab report		
		Histopathology laboratory				2000	1991	2010	2009	Clinical letter, MDM, lab report		
		Histopathology reporting pathologist			2017	2017	2017	2017	2017	Clinical letter, MDM, lab report		
		Specimen type	Hookwire localisation excision / Lumpectomy/biopsy / WLE/partial mastectomy / Mastectomy			2000	1991	2010	2009	Clinical letter, MDM, lab report		
		Specimen size largest dimension	mm			2000	1991	2010	2009	Clinical letter, MDM, lab report		
		Specimen size dimension 2	mm	Waikato	2017	2017	1991	2017	2017	Clinical letter, MDM, lab report		
		Specimen size dimension 3	mm	Waikato	2017	2017	1991	2017	2017	Clinical letter, MDM, lab report		
		Number of blocks	blocks	Christchurch	2017	not recorded	only recorded for Pathlab reports	not recorded	2017	Clinical letter, MDM, lab report		
		Specimen weight	g	Christchurch	2017	2017	2017	2017	2017	Clinical letter, MDM, lab report		
		Skin present	No / Yes	Waikato	2017	2017	1991	2017	2017	Clinical letter, MDM, lab report		
		Number of invasive lesions	None / One / Two / Three / Four / Five / Greater than five / Multi-focal (>2) / Unknown		2017	2017	2017	2017	2017	Clinical letter, MDM, lab report		
Histopathology-Microscopic findings		Ipsilateral synchronous primary	No / Yes / Unknown	Christchurch	2017	2017	2017	not recorded		Clinical letter, MDM, lab report	only if mentioned in path report	
		Intra-mammary metastasis	No / Yes / Unknown	Christchurch	2017	2017	2017	not recorded		Clinical letter, MDM, lab report	only if mentioned in path report	
		Lymphovascular invasion (peritumoural)	No / Yes / Probable (suspicious) / Extensive	Christchurch	2017	2017	1991	2017	2009	Clinical letter, MDM, lab report	Only if its present otherwise No	
		Perineural invasion	No / Yes		2017	2017	2017	2017	2017	Clinical letter, MDM, lab report	Only if its present otherwise No	
		Dermal lymphatic invasion	No / Yes		2017	Nov-19	2017	Nov-19	2017	Clinical letter, MDM, lab report		
		Dermal / epidermal invasion	No / Yes		2017	Nov-19	2017	Nov-19	2017	Clinical letter, MDM, lab report	Only if its present otherwise No	
		Skin	Not involved / Paget's disease of the nipple / Invasive carcinoma involving dermis or epidermis without ulceration / Invasive carcinoma involving dermis or epidermis with ulceration / Ipsilateral satellite skin nodules		2017	2017	2017	2017	2017	Clinical letter, MDM, lab report	Only if its present otherwise No	
		Muscle involvement	No / Yes / Unknown		2017	2017	2017	2017	2017	Clinical letter, MDM, lab report	Only if its present otherwise No. Started leaving blank since Mar 2020 after pathologist recommendation that if not mentioned leave field blank.	

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		Microcalcifications present	No / Yes		2017	not recorded	2017	2017	2017	Clinical letter, MDM, lab report		
		Pagets disease	No / Yes		2017	not recorded	1991	not recorded	2017	Clinical letter, MDM, lab report		
		DCIS seen in adjacent tissue			2017	not recorded	2017	not recorded	2017	Clinical letter, MDM, lab report		
		EIC positivity	No / Yes			not recorded	1991	not recorded	not recorded	Clinical letter, MDM, lab report		
		EIC percentage	Not seen / <25% / >=25% / Unknown/not stated			not recorded	1991	not recorded	not recorded	Clinical letter, MDM, lab report		
Histopathology- Margins & lobular neoplasia	P	Resection margin invasive & in situ	Negative / Positive			2000	1991	2010	2009	Clinical letter, MDM, lab report	Waikato 1991-1999. Reporting has improved over time but during 1990s only one margin (closest) was usually mentioned - so could be any of these	
		Invasive closest circumferential margin	mm			2000	1991	2010	2009	Clinical letter, MDM, lab report		
		Invasive closest circumferential margin type	Lateral / Medial / Superior / Inferior / Clear of margins, no measurement given / Unknown			2000	1991	2010	2009	Clinical letter, MDM, lab report		
		Invasive closest vertical margin	mm			2000	1991	2010	2009	Clinical letter, MDM, lab report		
		Invasive closest vertical margin type	Anterior/superficial / Posterior /deep / Clear of margins, no measurement given / Unknown			2000	1991	2010	2009	Clinical letter, MDM, lab report		
		DCIS closest circumferential margin	mm			2000	1991	2010	2009	Clinical letter, MDM, lab report		
		DCIS closest circumferential margin type	Lateral / Medial / Superior / Inferior / Clear of margins, no measurement given / Unknown			2000	1991	2010	2009	Clinical letter, MDM, lab report		
		DCIS closest vertical margin	mm			2000	1991	2010	2009	Clinical letter, MDM, lab report		
		DCIS closest vertical margin type	Anterior/superficial / Posterior /deep / Clear of margins, no measurement given / Unknown			2000	1991	2010	2009	Clinical letter, MDM, lab report		
		Atypical lobular hyperplasia	No / Yes	Christchurch	2017	2017	2017	2017	2009	Clinical letter, MDM, lab report	Northern - leave this field blank unless specified on report	
		Lobular carcinoma in situ (classical)	No / Yes			2000	1991	2010	2009	Clinical letter, MDM, lab report		
		Pleomorphic LCIS (PLCIS)	No / Yes	Christchurch	2017	2017	2017	2017	2009	Clinical letter, MDM, lab report	Northern - leave this field blank unless specified on report	
		Variant other LCIS	No / Yes		2017	2017	2017	2017	2017	Clinical letter, MDM, lab report	Northern - leave this field blank unless specified on report	
		Extent of lobular neoplasia	Focal / Extensive		2017	2017	2017	2017	2017	Clinical letter, MDM, lab report	Northern - leave this field blank unless specified on report	
		Pleomorphic / variant LCIS at margin	No / Yes		2017	2017	2017	2017	2017	Clinical letter, MDM, lab report	Northern - leave this field blank unless specified on report	
		Pleomorphic / variant LCIS closest circumferential margin	mm		2017	2017	2017	2017	2017	Clinical letter, MDM, lab report	Northern - leave this field blank unless specified on report	
		Pleomorphic / variant LCIS closest vertical margin	mm		2017	2017	2017	2017	2017	Clinical letter, MDM, lab report	Northern - leave this field blank unless specified on report	
		Flat epithelial atypia	No / Yes	Christchurch	2017	not recorded	2017	not recorded	2017	Clinical letter, MDM, lab report		
P		Axillary nodes present	No / Yes			2000	1991	2010	2009	Clinical letter, MDM, lab report		
		Total number of nodes removed				2000	1991	2010	2009	Clinical letter, MDM, lab report		
		Number of nodes involved by tumour				2000	1991	2010	2009	Clinical letter, MDM, lab report		
		Nodal metastasis based on the largest deposit	Isolated tumour cells / Micrometastasis / Macrometastasis	Waikato & Christchurch	2017	2017	1991	2017	2017	Clinical letter, MDM, lab report		
		Nodal metastasis size of largest deposit	mm	Waikato & Christchurch	2017	2017	2017	2017	2017	Clinical letter, MDM, lab report		

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Histopathology-Nodal & tumour staging		Extra nodal deposits	No / Yes	Christchurch	2017	2017	2017	2017	2017	Clinical letter, MDM, lab report		
		Extra capsular / nodal spread	No / Yes	Christchurch	2017	2017	2017	2017	2017	Clinical letter, MDM, lab report		
		Residual invasive carcinoma in further re-excisions	No / Yes	Christchurch	2017	2017	2017	2017	2017	Clinical letter, MDM, lab report		
		Residual DCIS in further re- excisions	No / Yes	Christchurch	2017	2017	2017	2017	2017	Clinical letter, MDM, lab report		
	P	Neo-adjuvant indicator code	No / Yes / Unknown		2017	2017	2017	2017	2017	Clinical letter, MDM, lab report		
		Neo-adjuvant treatment effect	No response / Partial response / Complete response	Christchurch	2017	2017	2017	2017	2017	Clinical letter, MDM, lab report		
		Residual cancer burden	RCB-0 / RCB-1 / RCB-2 / RCB-3		2017	not recorded	2017	not recorded	2017	Clinical letter, MDM, lab report		
		Neo-adjuvant treatment effect in lymph nodes	Nodes negative, no treatment effect / Nodes negative, with treatment effect / Nodes positive, with treatment effect / Nodes positive, no treatment effect / Unknown		2017	2017	2017	2017	2017	Clinical letter, MDM, lab report		
	P	Pathological stage descriptor prefix or suffix	None, M (multiple), Y (neo-adj), M & Y, Unknown			2000	1991	2010	2009	Clinical letter, MDM, lab report		
	P	Pathological T stage based on primary tumour	0 / is / is(DCIS) / is(LCIS) / is(Paget's) / 1 / 1mi / 1a / 1b / 1c / 2 / 3 / 4 / 4a / 4b / 4c / 4d / X. Auto-calculated			2000	1991	2010	2009	Clinical letter, MDM, lab report		
	P	Pathological N stage	0 / 1 / 2 / 2a / 2b / 3 / 3a / 3b / 3c / X. Auto-calculated			2000	1991	2010	2009	Clinical letter, MDM, lab report		
	P	Pathological M stage	0 / 1 / X			2000	1991	2010	2009	Clinical letter, MDM, lab report		
		Nottingham Prognostic Index (NPI)	Auto-calculated			2000	1991	2010	2009	Clinical letter, MDM, lab report		
		TNM edition used	AJCC ed. Default = 8 from 01/01/2017			2000	1991	2010	2009	Clinical letter, MDM, lab report		
SNB and scintigraphy-SNB and scintigraphy		Pathological TNM Date	Auto-calculated		2020	2020	2020	2020	2020	Clinical letter, MDM, lab report		
	P	Pathological Prognostic Stage	Stage 0 / Stage 1A / Stage 1B / Stage 2A / Stage 2B / Stage 3A / Stage 3B / Stage 3C / Stage 4 / Not applicable. Derived from pathological TNM stage fields		2017	2017	2017	2017	2017	Clinical letter, MDM, lab report		
	P	Side	Left / Right			2000	2000	2010	2009	Clinical letter, MDM, lab report		
	P	Procedures	Scintigraphy / Sentinel node biopsy / Unknown			2000	2000	2010	2009	Clinical letter, MDM, lab report, imaging report		
		Date of scintigraphy				2000	2000	2010	2009	Clinical letter, MDM, imaging report		
		Scintigraphy nodes detected in the following locations				2000	2000	2010	2009	Clinical letter, MDM, imaging report		
		Scintigraphy nodes detected				2000	2000	2010	2009	Clinical letter, MDM, imaging report		
		SNB nodes detected	No / Yes			2000	2000	2010	2009	Clinical letter, MDM, operation report, lab report		
	P	SNB number of nodes detected				2000	2000	2010	2009	Clinical letter, MDM, operation report, lab report		
		SNB nodes detected with	Isotope / Blue dye / Magnetic			2000	2000	2010	2009	Clinical letter, MDM, operation report, lab report		
		SNB nodes detected	No/ Yes			2000	2000	2010	2009	Clinical letter, MDM, operation report, lab report		

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	P	SNB result number of nodes positive	None / 1 node / 2 nodes / 3 nodes / >3 nodes			2000	2000	2010	2009	Clinical letter, MDM, operation report, lab report		
SNB and scintigraphic-Intra-operative frozen section		SNB tumour present	No / Yes	Christchurch	2017	2018	2017	2018	2017	Clinical letter, MDM, operation report, lab report		
		SNB imprints positive	No / Yes	Christchurch	2017	2018	not recorded	2018	2017	Clinical letter, MDM, operation report, lab report		
		SNB extra capsular/ nodal spread	No / Yes	Christchurch	2017	2018	2017	2018	2017	Clinical letter, MDM, operation report, lab report		
		SNB extra nodal deposits	No / Yes	Christchurch	2017	2018	2017	2018	2017	Clinical letter, MDM, operation report, lab report		
		SNB nodal metastasis based on the largest deposit	Isolated tumour cells / Micrometastasis / Macrometastasis	Waikato & Christchurch	2017	2018	2017	2018	2017	Clinical letter, MDM, operation report, lab report		
		SNB nodal metastasis size	mm		2017	2017	2017	2017	2017	Clinical letter, MDM, operation report, lab report		
	P	Any cancer treatment	Yes / No			2000	1991	2010	2009	Clinical letter, MDM		
		Reason no cancer treatment	Patient unfit - performance status deteriorated / Patient died prior to treatment / Patient declined / Patient diagnosed at time of death/ autopsy / Other (specify) / Unknown	Waikato	2017	2017	1991	2017	2017	Clinical letter, MDM		
	P	Primary surgery	Yes / No			2000	1991	2010	2009	Clinical letter, MDM, operation report		
		Reason for no primary surgery	Patient declined / Recommended by doctor / Unknown	Waikato	2017	2017	1991	2017	2017	Clinical letter, MDM		
		Reconstruction	Not yet / Yes / Referred - deemed not necessary / Referred - patient declined / Referred - patient unfit / Not referred - deemed not necessary / Not referred - patient declined / Not referred - patient unfit / Other / Unknown			2000	1991	2010	2009	Clinical letter, MDM, operation report		
		Primary or neo-adjuvant radiation therapy	Not yet / Yes / Referred - deemed not necessary / Referred - patient declined / Referred - patient unfit / Not referred - deemed not necessary / Not referred - patient declined / Not referred - patient unfit / n/a - treatment for metastatic disease / Other / Unknown			2000	1991	2010	2009	Clinical letter, MDM, radiation treatment summary		
	P	Neo-adjuvant chemotherapy	Not yet / Yes / Referred - deemed not necessary / Referred - patient declined / Referred - patient unfit / Not referred - deemed not necessary / Not referred - patient declined / Not referred - patient unfit / n/a - treatment for metastatic disease / Other / Unknown			2000	1991	2010	2009	Clinical letter, MDM		
		Neo-adjuvant biological therapy	Not yet / Yes / Referred - deemed not necessary / Referred - patient declined / Referred - patient unfit / Not referred - deemed not necessary / Not referred - patient declined / Not referred - patient unfit / n/a - treatment for metastatic disease / Other / Unknown	Herceptin publicly funded from 2008		2008	2008	2010	2009	Clinical letter, MDM		

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Breast Cancer Treatment Registry Gateway		Primary or neo-adjuvant hormone therapy	Not yet / Yes / Referred - deemed not necessary / Referred - patient declined / Referred - patient unfit / Not referred - deemed not necessary / Not referred - patient declined / Not referred - patient unfit / n/a - treatment for metastatic disease / Other / Unknown			2000	1991	2010	2009	Clinical letter, MDM		
		Intraoperative radiation therapy	Not yet / Yes / Referred - deemed not necessary / Referred - patient declined / Referred - patient unfit / Not referred - deemed not necessary / Not referred - patient declined / Not referred - patient unfit / n/a - treatment for metastatic disease / Other / Unknown	Auckland	2017	2017	2017	2017	2017	Clinical letter, MDM, operation report, radiation treatment summary		
		Adjuvant radiation therapy	Not yet / Yes / Referred - deemed not necessary / Referred - patient declined / Referred - patient unfit / Not referred - deemed not necessary / Not referred - patient declined / Not referred - patient unfit / n/a - treatment for metastatic disease / Other / Unknown			2000	1991	2010	2009	Clinical letter, MDM, radiation treatment summary		
	P	Adjuvant chemotherapy	Not yet / Yes / Referred - deemed not necessary / Referred - patient declined / Referred - patient unfit / Not referred - deemed not necessary / Not referred - patient declined / Not referred - patient unfit / n/a - treatment for metastatic disease / Other / Unknown			2000	1991	2010	2009	Clinical letter, MDM		
		Adjuvant biological therapy	Not yet / Yes / Referred - deemed not necessary / Referred - patient declined / Referred - patient unfit / Not referred - deemed not necessary / Not referred - patient declined / Not referred - patient unfit / n/a - treatment for metastatic disease / Other / Unknown	Herceptin publically funded from 2008		2008	2008	2010	2009	Clinical letter, MDM		
		Adjuvant hormone therapy	Not yet / Yes / Referred - deemed not necessary / Referred - patient declined / Referred - patient unfit / Not referred - deemed not necessary / Not referred - patient declined / Not referred - patient unfit / n/a - treatment for metastatic disease / Other / Unknown			2000	1991	2010	2009	Clinical letter, MDM, NZePS		
	P	Ovarian ablation	Not yet / Yes / Referred - deemed not necessary / Referred - patient declined / Referred - patient unfit / Not referred - deemed not necessary / Not referred - patient declined / Not referred - patient unfit / n/a - treatment for metastatic disease / Other / Unknown			2000	1991	2010	2009	Clinical letter, MDM, operation report		
	P	Loco-regional recurrence	No / Yes			2000	1991	2010	2009	Clinical letter, MDM, lab report, imaging report, operation report, NZCR		
		Side	Left / Right			2000	1991	2010	2009	Clinical letter, MDM, radiation treatment summary		

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Radio- therapy- Neo- adjuvant / primary / adjuvant / loco- regional recurrence RT	P	Timing	Primary/ Neo-adjuvant / Intra-operative / Adjuvant / Loco-regional recurrence / Metastatic disease			2000	1991	2010	2009	Clinical letter, MDM, radiation treatment summary		
		Site / Health facility of radiation therapy	Public / Private / Unknown		2017	2017	2017	2017	2017	Clinical letter, radiation treatment summary		
		Health facility of radiation therapy	HFC lookup table		2017	2017	2017	2017	2017	Clinical letter, radiation treatment summary		
		DHB of radiation therapy	DHB lookup table		2017	2017	2017	2017	2017	Clinical letter, radiation treatment summary		
		Radiation oncologist	Carry forward from Work-Up Lead Radiation Oncologist		2017	2017	2017	2017	2017	Clinical letter, radiation treatment summary		
		Radiation therapy start date				2000	1991	2010	2009	Clinical letter, radiation treatment summary		
		Target sites	Breast / Drainage area – axillary / Drainage area – supraclavicular / Drainage area – IMC / Chest wall			2000	1991	2010	2009	Clinical letter, radiation treatment summary		
		Radiation type	Photons / Electrons / Photons & Electrons			2000	1991	2010	2009	Clinical letter, radiation treatment summary		
		Total dose	Gy			2000	1991	2010	2009	Clinical letter, radiation treatment summary		
		Number of fractions	fractions			2000	1991	2010	2009	Clinical letter, radiation treatment summary		
		Date of last treatment				2000	1991	2010	2009	Clinical letter, radiation treatment summary		
		Bolus	No / Yes			2000	1991	2010	2009	Clinical letter, radiation treatment summary		
		Boost	No / Yes			2000	1991	2010	2009	Clinical letter, radiation treatment summary		
		Boost radiation type	Photons / Electrons			2000	1991	2010	2009	Clinical letter, radiation treatment summary		
		Boost dose	Gy			2000	1991	2010	2009	Clinical letter, radiation treatment summary		
		Boost fractions	fractions			2000	1991	2010	2009	Clinical letter, radiation treatment summary		
		Radiation therapy completed as planned	No / Yes	Waikato	2017	2017	2017	2017	2017	Clinical letter, radiation treatment summary		
		Brachytherapy dose rate	Low/medium / High / Not known		2017	2017	2017	2017	2017	Clinical letter, radiation treatment summary		
Radiothera py-Intra- operative radiation therapy		Side	Left / Right							Clinical letter, radiation treatment summary		
	P	Timing	Intra-operative	Auckland	2017	2017	N/A	N/A	N/A	Clinical letter, radiation treatment summary		
		Site / Health facility of radiation therapy	Public / Private / Unknown	Auckland	2017	2017	N/A	N/A	N/A	Clinical letter, radiation treatment summary		
		Health facility of radiation therapy	HFC lookup table	Auckland	2017	2017	N/A	N/A	N/A	Clinical letter, radiation treatment summary		
		DHB of radiation therapy	DHB lookup table	Auckland	2017	2017	N/A	N/A	N/A	Clinical letter, radiation treatment summary		
		Radiation oncologist		Auckland	2017	2017	N/A	N/A	N/A	Clinical letter, radiation treatment summary		
	P	IORT start date		Auckland	2017	2017	N/A	N/A	N/A	Clinical letter, radiation treatment summary		
		IORT dose	20Gy / 5Gy	Auckland	2017	2017	N/A	N/A	N/A	Clinical letter, radiation treatment summary		
		IORT delivered to	Surface / 1cm	Auckland	2017	2017	N/A	N/A	N/A	Clinical letter, radiation treatment summary		
		IORT applicator size	2-5cm / 0.5cm interval	Auckland	2017	2017	N/A	N/A	N/A	Clinical letter, radiation treatment summary		
		IORT energy	KeV	Auckland	2017	2017	N/A	N/A	N/A	Clinical letter, radiation treatment summary		
		IORT Is EBRT also required	No / Yes	Auckland	2017	2017	N/A	N/A	N/A	Clinical letter, radiation treatment summary		
		Side				2000	1991	2010	2009	Clinical letter, radiation treatment summary		

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Radiotherapy- Radiation therapy for metastases	P	Timing	Metastatic			2000	1991	2010	2009	Clinical letter, radiation treatment summary		
		Site / Health facility of radiation therapy	Public / Private / Unknown		2017	2017	2017	2017	2017	Clinical letter, radiation treatment summary		
		Health facility of radiation therapy	HFC lookup table		2017	2017	2017	2017	2017	Clinical letter, radiation treatment summary		
		DHB of radiation therapy	DHB lookup table		2017	2017	2017	2017	2017	Clinical letter, radiation treatment summary		
	P	Radiation therapy start date				2000	1991	2010	2009	Clinical letter, radiation treatment summary		
		Target site for metastatic disease	Axillary nodes / Brain / Chest wall (soft tissue) / Internal mammary nodes / Other vertebral column / Pelvis &/ or hip (bone) / Supraclavicular nodes / Thoracic/ lumbar/ sacral / Thorax, including sternum (bone) / Other			2000	1991	2010	2009	Clinical letter, radiation treatment summary		
		Radiation type	Photons / Electrons / Photons & Electrons			2000	1991	2010	2009	Clinical letter, radiation treatment summary		
		Total dose	Gy			2000	1991	2010	2009	Clinical letter, radiation treatment summary		
		Number of fractions	fractions			2000	1991	2010	2009	Clinical letter, radiation treatment summary		
		Date of last treatment				2000	1991	2010	2009	Clinical letter, radiation treatment summary		
		Bolus	No / Yes			2000	1991	2010	2009	Clinical letter, radiation treatment summary		
		Boost	No / Yes			2000	1991	2010	2009	Clinical letter, radiation treatment summary		
		Boost radiation type	Photons / Electrons			2000	1991	2010	2009	Clinical letter, radiation treatment summary		
		Boost dose	Gy			2000	1991	2010	2009	Clinical letter, radiation treatment summary		
		Boost fractions	fractions			2000	1991	2010	2009	Clinical letter, radiation treatment summary		
		Radiation therapy completed as planned	No / Yes		2017	2017	2017	2017	2017	Clinical letter, radiation treatment summary		
		Brachytherapy dose rate	Low/medium / High / Not known		2017	2017	2017	2017	2017	Clinical letter, radiation treatment summary		
Chemotherapy		Site / Health facility of chemotherapy	Public / Private / Unknown		2017	2017	2017	2017	2017	Clinical letter		
		Health facility of chemotherapy	HFC lookup table		2017	2017	2017	2017	2017	Clinical letter		
		DHB of chemotherapy	DHB lookup table		2017	2017	2017	2017	2017	Clinical letter		
		Medical oncologist			2017	2017	2017	2017	2017	Clinical letter		
		Timing of chemotherapy	Neo-adjuvant / Adjuvant / Loco-regional recurrence / Metastatic disease			2000	1991	2010	2009	Clinical letter, MDM		
	P	Start date of chemotherapy				2000	1991	2010	2009	Clinical letter		
		Type of chemotherapy	AC and/or EC / AT / Capecitabine / Carboplatin / Carboplatin/Paclitaxel / CMFP / Docetaxel / Docetaxel/Carboplatin (TCH) / Docetaxel/Cyclophosphamide (TC) / Doxorubicin / Epirubicin / FAC / FE / FEC / Gemcitabine / IV CMF / Oral CMF / Paclitaxel / Paclitaxel (weekly) / Vinorelbine / Other / Unknown			2000	1991	2010	2009	Clinical letter		
	P	Number of cycles	cycles			2000	1991	2010	2009	Clinical letter		

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		Type of chemotherapy regimen	Single regimen / Concurrent / alternating / Sequential			2000	1991	2010	2009	Clinical letter		
	P	Date of final cycle of chemotherapy				2000	1991	2010	2009	Clinical letter		
		Completed as planned	Yes / Dose adjusted / Hospitalisation due to toxicity / No-Stopped for toxicity / No-Stopped at patient's request / No-Stopped for disease progression / Other (specify)	Christchurch	2017	2016	2014	2017	2009	Clinical letter		
Biological therapy		Site / Health facility of biological therapy	Public / Private / Unknown		2017	2017	2017	2017	2017	Clinical letter		
		DHB of biological therapy			2017	2017	2017	2017	2017	Clinical letter		
	P	Timing of therapy	Neo-adjuvant / Adjuvant / Loco-regional recurrence / Metastatic disease		2017	2008	2008	2010	2009	Clinical letter, MDM		
		Biological therapy	Trastuzumab (Herceptin) / Herzuma / Kadcycla (TDM-1) / Lapatinib / Pertuzumab / Other (specify) incl immunotherapy / Unknown			2008	2008	2010	2009	Clinical letter		
	P	Start date				2008	2008	2010	2009	Clinical letter		
		Discontinued	No / Yes			2008	2008	2010	2009	Clinical letter		
		Stop date				2008	2008	2010	2009	Clinical letter		
		Site / Health facility of hormone therapy	Public / Private / Unknown		2017	2017	2017	2017	2017	Clinical letter		
		DHB of hormone therapy	DHB lookup table		2017	2017	2017	2017	2017	Clinical letter		
		Timing of therapy	Neo-adjuvant / Adjuvant / Loco-regional recurrence / Metastatic disease			2000	1991	2010	2009	Clinical letter, MDM		
		Hormone therapy	Anastrozole, Exemestane, Fulvestrant, Goserelin, Letrozole, Leuproelin, Palbociclib, Progestagen (Megestrol), Tamoxifen, Triptoreline, Other, Unknown			2000	1991	2010	2009	Clinical letter, NZePS		
	P	Start date				2000	1991	2010	2009	Clinical letter, NZePS		
		Did patient decline SERMs	No / Yes	Waikato	2017	2017	1991	2010	2017	Clinical letter		
		Did patient decline Aromatase Inhibitors	No / Yes	Waikato	2017	2017	1991	2010	2017	Clinical letter		
		Discontinued	No / Yes			2000	1991	2010	2009	Clinical letter, Waikato FU form (paper)		

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Hormone therapy			Adverse Event / Completed five years' adjuvant therapy / Completed ten years' adjuvant therapy / Decreased BMD (bone mass density) / Loco-regional recurrence / Medical event / Newly diagnosed metastatic disease / No or poor response to therapy (metastatic disease setting) / No or poor response to therapy (primary/neo-adjuvant setting) / Patient died / Patient stopped without consulting clinician / Progression of metastatic disease / Side effects - digestive symptoms / Side effects - fatigue/tiredness / Side effects - headaches / Side effects - hot flushes / Side effects - intolerance; not otherwise specified / Side effects - mood swings &/or depression / Side effects - muscle and/or bone/joint pain / Side effects - weight gain/swelling / Stopped due to gynaecological complaints / Stopped for surgery / Other reasons / Unknown	Waikato & Christchurch	2017	2017	2014	2017	2009	Clinical letter, Waikato FU form (paper)		
		Reason for discontinuation								Clinical letter, Waikato FU form (paper)		
		Stop date				2000	1991	2010	2009	Clinical letter, MDM, lab report	Waikato - 1994 date is approximate	
Biological markers	P	Date tested				2000	1994	2010	2009	Clinical letter, MDM, lab report	Waikato - 1994 date is approximate	
		Results from	FNA / Core biopsy / Histopathology / LRR / Metastatic disease			2000	1994	2010	2009	Clinical letter, MDM, lab report	Waikato - 1994 date is approximate	
		Result of IHC Her2 testing	IHC HER2 0 / IHC HER2 1+ / IHC HER2 2+ / IHC HER2 3+			2000	1994	2010	2009	Clinical letter, MDM, lab report	Waikato - 1994 date is approximate	
	P	IHC Her2 result	Negative / Positive / Equivocal / Unknown			2000	1994	2010	2009	Clinical letter, MDM, lab report	Waikato - 1994 date is approximate	
		Result of FISH Her2 testing	FISH HER2 No Amplification (negative) / FISH HER2 (equivocal) / FISH HER2 Amplified (positive)			2000	2002	2010	2009	Clinical letter, MDM, lab report		
	P	FISH Her2 result	Negative / Positive / Equivocal / Unknown			2000	2002	2010	2009	Clinical letter, MDM, lab report		
		Number of copies of Her2		Midland/Southern		not recorded	2002	not recorded	not recorded	Clinical letter, MDM, lab report		
		Number of copies of CEP17		Midland/Southern		not recorded	2002	not recorded	not recorded	Clinical letter, MDM, lab report		
		Her2 Chromosome 17	Normal / Monosomy / Polysomy / Unknown	Midland/Southern		not recorded	2002	not recorded	not recorded	Clinical letter, MDM, lab report		
		Cytokeratin 5/6	Negative / Positive	Waikato		not recorded	2010	not recorded	not recorded	Clinical letter, MDM, lab report		
		Cytokeratin 5/6 H-score	0-300	Waikato		not recorded	2010	not recorded	not recorded	Clinical letter, MDM, lab report		
		Cytokeratin 14	Negative / Positive	Waikato		not recorded	2010	not recorded	not recorded	Clinical letter, MDM, lab report		
		Cytokeratin 14 H-score	0-300	Waikato		not recorded	2010	not recorded	not recorded	Clinical letter, MDM, lab report		
		Ki67 tested	No / Yes	Waikato		not recorded	2010	not recorded	not recorded	Clinical letter, MDM, lab report		
		Ki67 result	%	Waikato		not recorded	2010	not recorded	not recorded	Clinical letter, MDM, lab report		
		Oncotype Dx tested	No / Yes	Waikato		not recorded	2010	not recorded	not recorded	Clinical letter, MDM, lab report		
		Oncotype Dx	0- 100	Waikato		not recorded	2010	not recorded	not recorded	Clinical letter, MDM, lab report		

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Multigene testing		Details of other biological marker type			2017	not recorded	2011	not recorded	not recorded	Clinical letter, MDM, lab report		
		Other results			2017	not recorded	2012	not recorded	not recorded	Clinical letter, MDM, lab report		
		Multigene testing - Oncotype Dx, Prosigna, mammaprint, Endopredic	No / Yes		2020	2020	2020	2020	2020	Clinical letter, MDM, lab report		
		Oncotype Dx, Prosigna, mammaprint, Endopredic	Low/Intermediate/High Risk		2020	2020	2020	2020	2020	Clinical letter, MDM, lab report		
Metastatic disease	P	Date of metastatic disease				2000	1991	2010	2009	Clinical letter, MDM, imaging report, lab report		
	P	Site of metastatic disease	Pulmonary/lung / Bone/osseous / Hepatic/liver / Brain/CNS / Lymph nodes / Bone marrow / Pleura/effusion / Peritoneum/effusion / Pericardium/effusion / Adrenals / Ovary / Omentum / Skin/soft tissue / Contralateral breast / Other / Unknown			2000	1991	2010	2009	Clinical letter, MDM, imaging report, lab report		
		Assessment of metastatic disease	Clinical / Radiological / Cytological / Histological		2017	2017	2017	2017	2017	Clinical letter, MDM, imaging report, lab report		
		Details of clinical assessment of metastatic disease	free text		2017	2017	2017	2017	2017	Clinical letter, MDM		
		Details of radiological assessment of metastatic disease	free text		2017	2017	2017	2017	2017	Clinical letter, MDM, imaging report		
		Details of cytological assessment of metastatic disease	free text		2017	2017	2017	2017	2017	Clinical letter, MDM, lab report		
		Details of histological assessment of metastatic disease	free text		2017	2017	2017	2017	2017	Clinical letter, MDM, lab report		
Surgery for metastase s	P	Date of surgery for metastatic disease				2000	1991	2010	2009	Clinical letter, MDM, operation report, lab report		
	P	Site / Health facility of surgery for metastatic disease	Public / Private / Unknown		2017	2017	2017	2017	2017	Clinical letter, operation report		
	P	DHB of surgery for metastatic disease	DHB lookup table		2017	2017	2017	2017	2017	Clinical letter, operation report		
	P	Type of surgery for metastatic disease	Patient Declined / Brain/Craniotomy / Liver resection or RFA / Orthopaedic / Pericardial / Thoracic (including pleurodesis) / Other			2000	1991	2010	2009	Clinical letter, operation report		
Loco- regional recurrence		Side	Left / Right			2000	1991	2010	2009	Clinical letter, MDM, imaging report, lab report, operation report		
	P	Date of recurrence				2000	1991	2010	2009	Clinical letter, MDM, imaging report, lab report, operation report		
	P	Site of recurrence	Conserved breast (related to previous excision) / Chest wall - mastectomy scar / Chest wall - chest wall/ elsewhere / Regional - ipsilateral axilla nodes / Regional - internal mammary nodes / Regional - ipsilateral supraclavicular nodes / Regional - more than one regional site / Reconstructed breast			2000	1991	2010	2009	Clinical letter, MDM, imaging report, lab report, operation report		

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		Assessment of recurrence	Clinical / Radiological / Cytological / Histological		2017	2017	2017	2017	2017	Clinical letter, MDM, imaging report, lab report, operation report		
		Details of clinical assessment of recurrence	free text		2017	2017	2017	2017	2017	Clinical letter, MDM		
		Details of radiological assessment of recurrence	free text		2017	2017	2017	2017	2017	Clinical letter, MDM, imaging report		
		Details of cytological assessment of recurrence	free text		2017	2017	2017	2017	2017	Clinical letter, MDM, lab report		
		Details of histological assessment of recurrence	free text		2017	2017	2017	2017	2017	Clinical letter, MDM, lab report		
Surgery for loco-regional recurrence	P	Site / Health facility of surgery for recurrence	Public / Private / Unknown			2000	1991	2010	2009	Clinical letter, MDM, operation report, lab report		
	P	DHB of surgery for recurrence	DHB lookup table		2017	2017	2017	2017	2017	Clinical letter, MDM, operation report, lab report		
	P	Date of surgery				2000	1991	2010	2009	Clinical letter, MDM, operation report, lab report		
	P	Type of surgery for recurrence	Conserved breast - wide excision / Conserved breast – mastectomy / Chest wall - local excision / Axilla - local excision / Axilla - axillary clearance / Reconstructed breast / Reconstructed breast - local excision / Patient declined / Other / Unknown			2000	1991	2010	2009	Clinical letter, MDM, operation report, lab report		
		Pathology date				2000	1991	2010	2009	Clinical letter, lab report		
		Laboratory	Laboratory lookup table			2000	1991	2010	2009	Clinical letter, lab report		
		Reporting pathologist	Pathologist lookup table		2017	2017	2017	2017	2017	Clinical letter, lab report		
		Invasive carcinoma	No / Yes			2000	1991	2010	2009	Clinical letter, lab report		
		Invasive carcinoma grade	1 / 2 / 3 / Not stated/unknown			2000	1991	2010	2009	Clinical letter, lab report		
		Invasive cancer size	mm			2000	1991	2010	2009	Clinical letter, lab report		
		Metastatic	No / Yes			2000	1991	2010	2009	Clinical letter, lab report		
		Margin excision	Positive / Negative			2000	1991	2010	2009	Clinical letter, lab report		
		Nearest margin	mm			2000	1991	2010	2009	Clinical letter, lab report		
		Location of recurrence site	Central / UOQ/Supero-lateral / UIQ/Supero-medial / LOQ/Infero-lateral / LIQ/Infero-medial / Axillary tail / Unspecified/Unknown			2000	1991	2010	2009	Clinical letter, lab report		
		Axillary nodes present	No / Yes			2000	1991	2010	2009	Clinical letter, lab report		
		Total number of nodes removed				2000	1991	2010	2009	Clinical letter, lab report		
		Number of nodes involved by tumour				2000	1991	2010	2009	Clinical letter, lab report		
		DCIS	No / Yes			2000	1991	2010	2009	Clinical letter, lab report		
		Highest DCIS grade	Low / Intermediate / High / Not Stated			2000	1991	2010	2009	Clinical letter, lab report		
		DCIS tumour size	mm			2000	1991	2010	2009	Clinical letter, lab report		
		Lymphovascular invasion	No / Yes			2000	1991	2010	2009	Clinical letter, lab report		

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		Oestrogen result	Negative / Positive			2000	1991	2010	2009	Clinical letter, lab report		
		Oestrogen Allred score	0 - 8, auto-calculated	Christchurch	2017	2017	2017	2017	2017	Clinical letter, lab report		
		Oestrogen proportion staining	%	Waikato & Christchurch	2017	2017	2017	2017	2017	Clinical letter, lab report		
		Oestrogen staining intensity	Weak / Moderate / Strong	Waikato & Christchurch	2017	Nov-19	2017	Nov-19	2017	Clinical letter, lab report		
		Progesterone result	Negative / Positive			2000	1991	2010	2009	Clinical letter, lab report		
		Progesterone Allred score	0 - 8, auto-calculated	Christchurch	2017	2017	2017	2017	2017	Clinical letter, lab report		
		PR proportion staining	%	Waikato & Christchurch	2017	2017	2017	2017	2017	Clinical letter, lab report		
		PR staining intensity	Weak / Moderate / Strong	Waikato & Christchurch	2017	Nov-19	2017	Nov-19	2017	Clinical letter, lab report		
		Her2 & other biological markers performed	No / Yes / Pending result		2017	2017	2017	2017	2017	Clinical letter, lab report		
Follow up	P	Date of Follow up				2000	1991	2010	2009	Clinical letter, Waikato FU form (paper), imaging report, lab report, NZePS		
		Procedures	Clinical examination / Mammography / Ultrasound / MRI / CT scan / Bone scan / PET scan / Other			2000	1991	2010	2009	Clinical letter, Waikato FU form (paper), imaging report, lab report, NZePS		
		Current status of disease	No evidence of disease / Evidence of disease / Unknown			2000	1991	2010	2009	Clinical letter, Waikato FU form (paper), imaging report, lab report, NZCR		
		Evidence of disease: type	Loco-regional recurrence / Metastatic – stable / Metastatic – progressive / No primary surgery - poor clinical response / No primary surgery - partial clinical response / No primary surgery - complete clinical response / No primary surgery - stable disease			2000	1991	2010	2009	Clinical letter, Waikato FU form (paper), imaging report, lab report, NZCR		
		Patient status	Alive / Deceased		2017	2017	2017	2017	2017	Clinical letter, Waikato FU form (paper), imaging report, lab report, NZePS, NZCR		
		Surgical oophorectomy	No / Yes		2017	2017	2017	2017	2017	Clinical letter, Waikato FU form (paper), MDM, operation report, lab report		
		Date of surgical oophorectomy			2017	2017	2017	2017	2017	Clinical letter, Waikato FU form (paper), MDM, operation report, lab report		
		Current menopausal status	Pre / Peri / Post / Unknown			2000	1991	2010	2009	Clinical letter, Waikato FU form (paper)		
		Pregnancy since diagnosis	No / Yes	Waikato	2017	2011	2011	not recorded	2011	Clinical letter, Waikato FU form (paper)		
		Pregnancy carried to term	No / Yes		2017	2011	2011	not recorded	2011	Clinical letter, Waikato FU form (paper)		
		Date of delivery			2017	2011	2011	not recorded	2011	Clinical letter, Waikato FU form (paper)		
		Lymphoedema diagnosed at follow up	None / Mild / Moderate / Severe / Unknown			2000	1991	2010	2009	Clinical letter, Waikato FU form (paper)		
		Date lymphoedema diagnosed				2000	1991	2010	2009	Clinical letter, Waikato FU form (paper)		
		Cosmetic status	Good / Fair / Poor / Mastectomy / Unknown			2000	1991	2010	2009	Clinical letter, Waikato FU form (paper)		

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	P	Follow up clinic status	Continuing, FU in another clinic, discharged to GP, Lost to FU			2000	1991	2010	2009	Clinical letter, Waikato FU form (paper)		
			Breast 2nd primary / Bladder cancer / Bowel cancer / Endometrial cancer / Gastric/oesophageal cancer / Kidney cancer / Lung cancer / Lymphoma / Melanoma / Metastatic carcinoma; primary unknown / Other gynaecological cancer / Other thoracic cancers / Ovarian cancer / Pancreatic cancer / Sarcoma / Skin cancer - non melanoma / Thyroid cancer / Other (specify)									
		Second primary carcinoma				2000	1991	2010	2009	MDM, lab report, clinical letter		
		Date of definitive diagnosis of NEW breast cancer primary				2000	1991	2010	2009	MDM, lab report, clinical letter		