
**Appendix 8: Systematised Nomenclature of Medicine
(SNOMED)**

NCSP

National
Cervical Screening
Programme

SNOMED Coding for
Histology

© National Cervical Screening Programme (NZ)
Ministry of Health
Updated January 2001

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Histology Codes used by the National Cervical Screening Programme - Register

| <u>Adequacy of specimen</u> | 1986 Code | 1993 Code |
|---|------------------|------------------|
| Insufficient or unsatisfactory material for diagnosis | M09000 | M09010 |
| There is no code for satisfactory materials. | | |

Site (topography) of specimen

| Value | 1986 Code | 1993 Code |
|--|------------------|------------------|
| Vagina | T81 | T82000 |
| Cervix (includes endocervix and exocervix) | T83 | T83200 |

Summary diagnosis

There will be a maximum of four M codes transmitted to the register.

| Value | Code stored on register if different | 1986 Code | 1993 Code | Abn Type³ |
|---|---|--|--|-----------------------------|
| Negative result - normal tissue | | M00100 | M60000 | N |
| Inflammation | | M40000 | M40000 | N |
| Microglandular hyperplasia | | M72480 | M72480 | N |
| Squamous Metaplasia | | M73000 | M73000 | N |
| Atypia | | M69700 | M67000 | LG |
| HPV, koilocytosis, condyloma (NOS) | | M76700 | M76700 | LG |
| Condyloma acuminatum | M76700 | M76720 | M76720 | LG |
| Dysplasia / CIN NOS | | M74000 | M67015 | LG |
| CIN I (LSIL ¹) (VAIN I when used with T81/ T82000) | | M74006 | M67016 | LG |
| CIN II (HSIL ²) (VAIN II when used with T81/ T82000) | | M74007 | M67017 | HG |
| CIN III (HSIL ²) (VAIN III when used with T81/ T82000) | | M74008 | M67017 | HG |
| Carcinoma in situ | or M67017 or M67017 | ¹ M80102 ¹ M80702 | ¹ M80102 ¹ M80702 | HG HG |
| Polyp | | M76800 | M76800 | |

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| | | |
|--|--------|--------|
| Other (Morphologic abnormality, not dysplastic or malignant) | M01000 | M01000 |
|--|--------|--------|

! These codes will be stored on the NCSP-Register as M67017.

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| Value | 1986 Code | 1993 Code | Abn Type ³ |
|---------------------------------------|-----------|-----------|-----------------------|
| Microinvasive squamous cell carcinoma | M80765 | M80763 | CA |
| Invasive squamous cell carcinoma | M80703 | M80703 | CA |
| Benign glandular atypia | M81400 | M67030 | N |
| Glandular dysplasia | M81401 | M67031 | HG |
| Adenocarcinoma in situ | M81402 | M81402 | HG |
| Invasive adenocarcinoma | M81403 | M81403 | CA |
| Adenosquamous carcinoma | M85603 | M85603 | CA |
| Metastatic tumour | M80006 | M80006 | I |
| Undifferentiated carcinoma | M80203 | M80203 | HG |
| Sarcoma | M88003 | M88003 | HG |

| <u>Other codes accepted</u> | Code stored on register | 1986 Code | 1993 Code | Abn Type ³ |
|-------------------------------------|-------------------------|-----------|-----------|-----------------------|
| Carcinosarcoma | M88003 | #M89803 | #M89803 | HG |
| Choriocarcinoma | M80003 | *M91003 | *M91003 | HG |
| Miscellaneous primary tumour | M80003 | *M80003 | *M80003 | HG |
| Small cell carcinoma | M80003 | *M80413 | *M80413 | HG |
| Malignant tumour, Small cell type | M80003 | *M80023 | *M80023 | HG |
| Melanoma | M80003 | *M87203 | *M87203 | HG |
| Other primary epithelial malignancy | M80003 | *M80103 | *M80103 | HG |

* These codes will be stored on the NCSP-Register as M80003 - Other malignancy

These codes will be stored on the NCSP-Register as M88003 - Sarcoma

Any other codes sent to the NCSP-Register will not be rejected but will be individually checked with the sending laboratory to ascertain which group of codes it should be stored in. It will then be converted by the NCSP-Register to the appropriate code for that group, and added to the list in this document.

Notes:

1. LSIL Low grade squamous intraepithelial lesion
2. HSIL High grade squamous intraepithelial lesion
3. Abn Type Abnormality type used by the register
 - N.....Negative
 - LG.....Low Grade

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I..... When used, this code will set a woman to annual recall for reasons other than a cervical abnormality.
HG High Grade
CA Cancer of the cervix

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A specimen type should be entered into the next available diagnosis code.

Two variations of codes will be accepted for this, either use the SNOMED procedure code detailed in the first table, or a specimen type code detailed in the second table.

| <u>Procedure Code</u> (entered into the next available diagnosis code field) | 1986 | 1993 | |
|---|----------------------------------|---|-----------------------|
| Hysterectomy | P11001 or P11101 | P83350 or P83353 or P83360 or P83380 | (Will be stored as H) |
| Partial hysterectomy with cervical component | P11041 | P83352 | (Will be stored as S) |
| Biopsy - Diagnostic | P11481 or P11541 | P83425 | (Will be stored as B) |
| Biopsy - Treatment e.g. LLETZ, Laser, Cone | P11011 or P11411 or P11461 | P83401 or P83420 or P83423 | (Will be stored as T) |

Specimen Type (entered into the next available diagnosis code field)

Either enter a single character or up to 6 characters as specified.

| | | |
|--|----------------------------|-----------------------|
| Hysterectomy | H or HYSTER | (Will be stored as H) |
| Partial hysterectomy with cervical component | S or PARTIAL | (Will be stored as S) |
| Biopsy - Diagnostic | B or BIOPSY D or DIAGNO | (Will be stored as B) |
| Biopsy - Treatment e.g. LLETZ, Laser, Cone | T or TREATM | (Will be stored as T) |
| Polyp | P or POLYP | (Will be stored as P) |

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SNOMED Code Rules for Reporting Cervical Histology Results

If multiple specimens are reported on a single result, each diagnosis code should only be reported once (i.e. duplicate entries of a single code will be rejected as an error).

Only codes related to the cervix or vagina should be reported to the National Cervical Screening Programme - Register (NCSP-Register).

All hysterectomies, where the cervix is also removed, should have the code related to the cervix reported to the NCSP-Register.

'Unsatisfactory for diagnosis' code (M-09000 in 1986 version, M-09010 in 1993 version) should be sent only if all results had an unsatisfactory adequacy and there is no diagnosis possible.

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File Specifications of the Histology Data Diskette from the Laboratories to the NCSP-Register (using 1986 SNOMED - old provider code)

The following provides the file specifications of the histology results data to be sent by the laboratories to the NCSP-Register. The data is transferred on a DOS formatted diskette. The general format uses standard ASCII character set, with a DOS end of record and DOS end of file markers as record and file delimiters.

The filename has the following format:

- two characters denoting the regional register site code
- two characters denoting the Laboratory code
- a fixed value H, denoting histology
- a three digit sequence number which should be unique for the laboratory

The structure of the data diskette is as follows:

| Field Name | Start Position | End Position | Length | Notes |
|--------------------------------------|----------------|--------------|--------|--|
| Eligible Woman ID | 1 | 7 | 7 | NHI number. |
| Woman Surname | 8 | 32 | 25 | Left aligned, with following spaces - Each character must be a capital A-Z, '-', apostrophe or space. |
| Woman First Name | 33 | 47 | 15 | Left aligned, with following spaces - Values as surname plus lower case a-z. Contains spaces if unknown. |
| Date of Birth (dd) | 48 | 49 | 2 | Left aligned, with leading zeros. Contains spaces if unknown) if any part of the DoB is spaces |
| Date of Birth (mm) | 50 | 51 | 2 | Left aligned, with leading zeros. Contains spaces if unknown) it must all be spaces |
| Date of Birth (ccyy) | 52 | 55 | 4 | Left aligned, with leading century number. Valid values are 1900 or later. Contains spaces if unknown. |
| Laboratory Test ID | 56 | 65 | 10 | Can include any printable characters including spaces - cannot be all spaces. Must be unique within lab. |
| Specialist ID | 66 | 72 | 7 | 2 Capital letters followed by 5 digits. |
| Date Specimen Taken (dd) | 73 | 74 | 2 | 2 digits with leading zeros. Must be valid day for month (in next field) |
| Date Specimen Taken (mm) | 75 | 76 | 2 | 2 digits with leading zeros. Must be valid month for day (previous field) |
| Date Specimen Taken (ccyy) | 77 | 80 | 4 | 4 digits with leading century number. Valid values are 1993 or later. |
| Date Specimen Received at Lab (dd) | 81 | 82 | 2 | 2 digits with leading zeros. Must be valid day for month (in next field) |
| Date Specimen Received at Lab (mm) | 83 | 84 | 2 | 2 digits with leading zeros. Must be valid month for day (previous field) |
| Date Specimen Received at Lab (ccyy) | 85 | 88 | 4 | 4 digits with leading century number. Valid values are 1993 or later. |
| Date Results Reported by Lab (dd) | 89 | 90 | 2 | 2 digits with leading zeros. Must be valid day for month (in next field) |
| Date Results Reported by Lab (mm) | 91 | 92 | 2 | 2 digits with leading zeros. Must be valid month for day (previous field) |
| Date Results Reported by Lab (ccyy) | 93 | 96 | 4 | 4 digits with leading century number. Valid values are 1993 or later. |
| SNOMED Code for Topography | 97 | 99 | 3 | Valid Values are T81 (vagina) or T83 (cervix) |
| SNOMED Code for Adequacy | 100 | 105 | 6 | Valid values are either M09000 (for inadequate specimen) or spaces if specimen adequate. |
| SNOMED Code for Diagnosis 1 | 106 | 111 | 6 | Valid values are either a diagnostic code or spaces if Adequacy Code had a value of M09000 |
| SNOMED Code for Diagnosis 2 | 112 | 117 | 6 | Valid values are either a diagnostic code or spaces) At least 1 diagnosis or adequacy code |

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| SNOMED Code for Diagnosis 3 | 118 | 123 | 6 | Valid values are either a diagnostic code or spaces) must be entered |
| SNOMED Code for Diagnosis 4 | 124 | 129 | 6 | Valid values are either a diagnostic code or spaces) Cannot have both adequacy and diagnosis codes. |
| SNOMED Code for Diagnosis 5 | 130 | 135 | 6 | Valid values are either a diagnostic code or spaces) First un-used space used for 'Type of specimen' |
| End of Record | 136 | 137 | 2 | The DOS standard indicating the end of the record (hex 0D0A). |
| | | | | The above structure is repeated for every record on the disk. |
| End of File Marker | 1 | 1 | 1 | The DOS Standard for an END OF FILE marker (HEX 1A). |

File Specifications of the Histology Data Diskette from the Laboratories to the NCSP-Register (using 1986 SNOMED - new provider codes)

The following provides the file specifications of the histology results data to be sent by the laboratories to the NCSP-Register. The data is transferred on a DOS formatted diskette. The general format uses standard ASCII character set, with a DOS end of record and DOS end of file markers as record and file delimiters.

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The structure of the data diskette is as follows:

| Field Name | Start Position | End Position | Length | Notes |
|------------------------------------|----------------|--------------|--------|---|
| Eligible Woman ID | 1 | 7 | 7 | NHI number. Contains spaces if unknown. |
| Woman Surname | 8 | 32 | 25 | Left aligned, with following spaces - Each character must be a capital A-Z, '-', apostrophe or space. |
| Woman First Name | 33 | 47 | 15 | Left aligned, with following spaces - Values as surname plus lower case a-z. Contains spaces if unknown. |
| Date of Birth (dd) | 48 | 49 | 2 | Left aligned, with leading zeros. Contains spaces if unknown) if any part of the DoB is spaces |
| Date of Birth (mm) | 50 | 51 | 2 | Left aligned, with leading zeros. Contains spaces if unknown.) it must all be spaces. |
| Date of Birth (ccyy) | 52 | 55 | 4 | Left aligned, with leading century number. Valid values are 1900 or later. Contains spaces if unknown. |
| Laboratory Test ID | 56 | 65 | 10 | Can include any printable characters including spaces, cannot be all spaces. Must be unique within lab. |
| Centre Id | 66 | 71 | 6 | Contains spaces until Ids available. |
| Specialist ID | 72 | 79 | 8 | 3blank+5digits; or 1 blank+1 cap letter+6digits; or 2 cap letters+6digits (2 alpha+5digits until CenId avail) |
| Date Specimen Taken (dd) | 80 | 81 | 2 | 2 digits with leading zeros. Must be valid day for month (in next field) |
| Date Specimen Taken (mm) | 82 | 83 | 2 | 2 digits with leading zeros. Must be valid month for day (previous field) |
| Date Specimen Taken (ccyy) | 84 | 87 | 4 | 4 digits with leading century number. Valid values are 1993 or later. |
| Date Specimen Received at Lab (dd) | 88 | 89 | 2 | 2 digits with leading zeros. Must be valid day for month (in next field) |

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| Date Specimen Received at Lab (mm) | 90 | 91 | 2 | 2 digits with leading zeros. Must be valid month for day (previous field) |
| Date Specimen Received at Lab (ccyy) | 92 | 95 | 4 | 4 digits with leading century number. Valid values are 1993 or later. |
| Date Results Reported by Lab (dd) | 96 | 97 | 2 | 2 digits with leading zeros. Must be valid day for month (in next field) |
| Date Results Reported by Lab (mm) | 98 | 99 | 2 | 2 digits with leading zeros. Must be valid month for day (previous field) |
| Date Results Reported by Lab (ccyy) | 100 | 103 | 4 | 4 digits with leading century number. Valid values are 1993 or later. |
| SNOMED Code for Topography | 104 | 106 | 3 | Valid Values are T81 (vagina) or T83 (cervix) |
| SNOMED Code for Adequacy | 107 | 112 | 6 | Valid values are either M09000 (for inadequate specimen) or spaces. |
| SNOMED Code for Diagnosis 1 | 113 | 118 | 6 | Valid values are either a diagnostic code or spaces (if Adequacy Code had a value of M09000) |
| SNOMED Code for Diagnosis 2 | 119 | 124 | 6 | Valid values are either a diagnostic code or spaces) At least 1 diagnosis or adequacy code |
| SNOMED Code for Diagnosis 3 | 125 | 130 | 6 | Valid values are either a diagnostic code or spaces) must be entered. |
| SNOMED Code for Diagnosis 4 | 131 | 136 | 6 | Valid values are either a diagnostic code or spaces) Cannot have both adequacy and diagnosis codes. |
| SNOMED Code for Diagnosis 5 | 137 | 142 | 6 | Valid values are either a diagnostic code or spaces) First un-used space used for 'Type of Specimen' |
| End of Record | 143 | 144 | 2 | The DOS standard indicating the end of the record (hex 0D0A). |
| | | | | The above structure is repeated for every record on the disk. |
| End of File Marker | 1 | 1 | 1 | The DOS Standard for an END OF FILE marker (HEX 1A). |

File Specifications of the Histology Data Diskette from the Laboratories to the NCSP-Register (using 1993 SNOMED codes - new provider codes)

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The filename has the following format:

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| Date Specimen Taken (mm) | 82 | 83 | 2 | 2 digits with leading zeros. Must be valid month for day (previous field) |
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| Date Specimen Received at Lab (mm) | 90 | 91 | 2 | 2 digits with leading zeros. Must be valid month for day (previous field) |
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| Date Results Reported by Lab (ccyy) | 100 | 103 | 4 | 4 digits with leading century number. Valid values are 1993 or later. |
| SNOMED Code for Topography | 104 | 109 | 6 | Valid Values are T82000 (vagina) or T83200 (cervix) |
| SNOMED Code for Adequacy | 110 | 115 | 6 | Valid values are either M09010 (for inadequate specimen) or spaces. |
| SNOMED Code for Diagnosis 1 | 116 | 121 | 6 | Valid values are either a diagnostic code or spaces (if Adequacy Code had a value of M09010) |
| SNOMED Code for Diagnosis 2 | 122 | 127 | 6 | Valid values are either a diagnostic code or spaces) At least 1 diagnosis or adequacy code |
| SNOMED Code for Diagnosis 3 | 128 | 133 | 6 | Valid values are either a diagnostic code or spaces) must be entered. |
| SNOMED Code for Diagnosis 4 | 134 | 139 | 6 | Valid values are either a diagnostic code or spaces) Cannot have both diagnosis and adequacy codes. |
| SNOMED Code for Diagnosis 5 | 140 | 145 | 6 | Valid values are either a diagnostic code or spaces) First un-used space used for 'Type of Specimen' |
| End of Record | 146 | 147 | 2 | The DOS standard indicating the end of the record (hex 0D0A). |
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