# Non-NAACCR Standard Data Items
# Chemotherapy, Hormone, & BRM

## Comparative Effectiveness Research Project

**NHSCR**

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# Chemotherapy Data Items

- Required for Breast, Colorectal, and CML

- Includes all or part of 1st course treatment given at all facilities

- Record up to six (6) agents

- If more than one agent, order entered is unimportant as long as all of the agent's information is consistently entered in the same order across all chemotherapy fields

  *i.e. same chemo agent entered as agent 1 across NSC, # doses, total dose, & date fields*

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# Chemotherapy: NSC Number

- NSC refers to part of the acronym for the Cancer Chemotherapy National Service Center (CCNSC)

- NSC number is assigned by NCI to a drug during its investigational phase

- SEER*Rx maintains a full list of NSC codes for chemo drugs.

- Registrars are to use SEER*Rx to find a chemotherapy agent's NSC number.

- Sources for obtaining info: Review patient medical records and pharmacy data sets

# Chemotherapy: NSC Number

## Coding NSC Numbers

- Enter NSC codes as 6 digit numbers

- Enter a leading 0 if agent is 5 digits

- Code 000000 when no CTX or no additional agents are planned or given

- Use code 999998 when CTX is planned or administered but the agent NSC code is unknown (considered temporary until a permanent code is obtained for agents without a SEER*Rx-assigned NSC codes)

- Use code 999999 when it is unknown if CTX was planned or administered OR when it is not required for this primary site/histology (e.g. cases that are not breast, colorectal or CML)

# Chemotherapy: NSC Number

**Example:**

- Patient receives FLOX regimen as 1st course treatment.

- Registrar goes to SEER*Rx and types "FLOX"

- SEER*Rx returns the following:
  5-flourouracil (chemo)
  Folinic acid--generic name for leucovorin (ancillary agent)
  Oxaliplatin (chemo)

- Code the following:
  Chemo Agent #1 NSC Number = 027640 (5-FU)
  Chemo Agent #2 NSC Number = 266046 (oxaliplatin)
  Chemo Agent #3-6 Number = 000000 (no additional chemo)

# Chemotherapy: Number Doses Planned

Records **total number** of chemotherapy **doses planned** as all or part of 1$^{st}$ course treatment at any facility.

**Coding Instructions**

| Code | Definition |
|------|------------|
| 00 | Chemo not planned or no additional chemo agents planned |
| 01-96 | Actual number of chemo doses planned.  If dose=1-9, enter a leading 0 |
| 97 | 97 or more chemotherapy doses planned |
| 98 | planned and/or administered, but number doses unknown |
| 99 | Unknown if chemo planned or not required for this site/histology |

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# Chemotherapy: Planned Dose and Dose Units

- Records total dose (VOLUME) to be delivered as all or part of 1st course treatment at any facility

- Refers to *total* dosage, **not** the total number of doses

- To get the total dose for a given agent, get the SUM of each dose planned for that agent
  - Add all doses planned into a single total value
  - Do not record per dose rate or individual dose value

**Coding Instructions**
- Record the overall total chemotherapy dose planned, including the units
- Enter in a 6-digit format
- Use leading zeros when dose volume is les than 6 digits
- Unit refers to the measurement that the volume is in

# Chemotherapy: Planned Dose and Dose Units

| Chemo1PlanDose<br>Enter Dose Volume ( as numbers): | | Chemo1PlanDoseU<br>Select Units: | |
|---|---|---|---|
| ###### | Chemotherapy dose planned | 00 | Chemotherapy was not planned OR no additional chemotherapy agents were planned |
| 000000 | Chemotherapy was not planned OR no additional chemotherapy agents were planned | 01 | Mg |
| | | 02 | Grams |
| 999998 | Chemotherapy was planned and/or administered, but the dose planned is unknown | 07 | Other (please specify in chemo text field) |
| | | 98 | Chemo was planned and/or administered, but dose planned unk |
| 999999 | Unknown if chemotherapy planned or not required for this primary site/histology | 99 | Unk if chemo planned or not required for this primary site/histology |

*If the agent is given via a prescription to be taken at home and/or self administered, the **planned** dose and units should be coded "999998" and "98." For example, Gleevec would be coded "999998" and "98."*

# Chemotherapy: Number Doses Received

- Records total **number** of chemotherapy doses delivered as all or part of 1st course treatment at any facility

- Similar to the codes for planned chemotherapy. Difference is that here, what is collected is what is actually given

**Coding Instructions**

| Codes | Definitions |
|---|---|
| 00 | Chemo not received or no additional chemo agents received |
| 01-96 | Actual number of chemo doses received. If dose=1-9, enter a leading 0 |
| 97 | 97 or more chemotherapy doses received |
| 98 | Chemo received and/or administered, but number doses unknown |
| 99 | Unknown if chemo received or not required for this site/histology |

# Chemotherapy:
# Received Dose and Dose Units

- Records total dose (VOLUME) actually delivered  as all or part of 1st course treatment at any facility

- Refers to *total* dosage, **NOT** the total *number* of doses

- Sum of each dose given for that agent.
    - Add all doses received into a single total value
    - Do not record per dose rate or individual dose value

**Coding Instructions**

- Record the overall chemotherapy dose received, including units

- Use leading zeros when dose volume is less than 6 digits

- Similar to the codes for planned chemotherapy.  Difference is that here, what is collected is what is actually given

# Chemotherapy: Received Dose and Dose Units

| Chemo1RcvDose Enter Dose Volume ( as numbers): | Chemo1RcvDoseU Select Units: |
|---|---|
| ###### Chemotherapy dose received<br>000000 Chemotherapy was not received OR no additional chemo agents were received<br>999998 Chemotherapy was received, but the dose Received is unknown<br>999999 Unknown if chemotherapy received OR not required for this primary site/histology | 00 Chemo was not received OR no additional chemotherapy agents were received<br>01 Mg<br>02 Grams<br>07 Other (please specify in chemo text field, item # XX)<br>98 Chemo received, but dose recd unk<br>99 Unk if chemo received OR not required for this primary site/histology |

*If the agent is given via a prescription to be taken at home and/or self administered, the **received** dose and units should be coded "999999" and "99." For example, Gleevec would be coded "999999" and "99."*

# Chemotherapy:
# Start and End Dates

- Start date:  Records the date for the first day of the first cycle that the patient started chemo

- End date:  Records the date for the last day of the last cycle that the patient received chemotherapy

- Date Flags:  Explains why there is no appropriate value in date fields*

- Dates refer to 1st course treatment only

*If the agent is given via a prescription to be taken at home and/or self-administered, the chemotherapy start and end date should be left blank and the corresponding date flag should be coded "12." (note added May 2011)

# Chemotherapy: Date Flags

## Coding Instructions

| Code | Definition |
|------|-----------|
| 10 | No information |
| 11 | Not applicable |
| 12 | Value applicable but unknown |
| 15 | Information not available now, but expected later |
| Blank | Valid date provided in item Chemo Start/End Date, or date not expected to have been transmitted |

*Comment: This is consistent with part of the initiative of the transformation from the old NAACCR date standards to interoperable dates.*

# Chemotherapy: Completion Status

- Records the completion status of chemotherapy

- Chemo must be part of the first course of treatment

- Chemo not completed includes the situation that chemotherapy was terminated prematurely

- Code indicates whether or not chemo was completed as outlined in the initial plan

# Chemotherapy: Completion Status

**Coding Instructions**

| Code | Definition |
|------|------------|
| 0 | No chemotherapy |
| 1 | Completed as planned |
| 2-6 | Not completed as planned |
| 7 | Chemo extends beyond end of data collection |
| 8 | Chemo administered, unknown if completed |
| 9 | Unknown if chemo given, or not required for this site/histology |

*If the agent is given via a prescription and/or self-administered, the chemotherapy completion status should be coded "8." For example, Gleevec should be coded "8." (note added May 2011)*

# EXAMPLE

| Item Name | Definition | Code |
|---|---|---|
| Chemo 1 NSC Number | NSC number for each chemo agent | 27640 |
| Chemo 1 Number Doses Planned | total number of chemotherapy doses planned | 18 |
| Chemo 1 Planned Dose and Dose Units | planned total dose to be delivered | 14490 |
| | unit measurement in which dose is recorded | 02 (mg) |
| Chemo 1 Number Doses Received | total number doses delivered | 16 |
| Chemo 1 Received Dose and Dose Units | total dose actually delivered | 12880 |
| | unit measurement in which dose is recorded | 02 (mg) |
| Chemo Start Date | 1st day of 1st chemo cycle | 05/24/2010 |
| Chemo End Date | last day of last chemo cycle | 10/04/2010 |
| Completion Status | completion status of chemo | 2 |

# Chemotherapy: Growth Factor Status

Record if G-CSF agents were given during the 12 months after DX

- Examples of Granulocyte-Growth Factors/Cytokines (G-CSF)
  - Filgrastim (Neupogen®)
  - Pegfilgrastim (Neulasta®)
  - Lenograstim (Granocyte®)

- Examples of Erythrocyte-Growth Factors/Cytokines (G-CSF)
  - Epoetin alfa  (Procrit®)
  - Darbepoietin alfa  (Aranesp®)

- Examples of Thrombocyte-Growth Factors/Cytokines (G-CSF)
  - Oprelvekin  (Neumega®)

# Chemotherapy: CSF Status

**Coding Instructions**

| Code | Definition |
|------|------------|
| 0 | No treatment given |
| 1 | Treatment given |
| 7 | Treatment prescribed-refused |
| 8 | Treatment prescribed, unknown if administered |
| 9 | Unknown if therapy given or not required for this site/primary |

Reference website for additional information on CSF:
www.cancer.gov/cancertopics/factsheet/Therapy/biological

# Hormone Therapy: NSC Number

- Required for Breast, Colorectal, and CML

- Includes all or part of first course treatment given at all facilities

- Record up to two (2) agents

- Collected similar to Chemo NSC Number

**Coding Instructions**
- Enter NSC codes as 6 digit numbers as found in SEER*Rx database
- Enter a leading 0 if agent is 5 digits
- 000000       Hormone not planned or no additional agents planned
- 999998       Hormone planned or administered but the agent NSC code is unknown (considered temporary until a permanent code is obtained for agents w/o a  SEER*Rx-assigned NSC codes)
- 999999       Unknown if hormone planned or if not required for this primary site/histology

# Biological Response Modifier: NSC Number

- Required for Breast, Colorectal, and CML

- Includes all or part of first course treatment given at all facilities

- Record up to two (2) agents

- Collected similar to Chemo NSC Number

**Coding Instructions**
- Enter NSC codes as 6 digit numbers as found in SEER*Rx database
- Enter a leading 0 if agent is 5 digits
- 000000     BRM not planned or no additional agents planned
- 777777     Bone marrow transplant, stem cell harvests, or surgical and/or radiation endocrine therapy
- 999998     BRM planned or administered but the agent NSC code is unknown (considered temporary until a permanent code is obtained for agents w/o a SEER*Rx-assigned NSC codes)
- 999999     Unknown if BRM planned or not required for this primary site/histology

# THANK YOU

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