FLORIDA CANCER DATA SYSTEM
DATA LINKAGE RECORD LAYOUT

At a minimum one of the following combinations are required to link records with FCDS:
1) First Name, Last Name, Sex, Date of Birth, Zip Code and Street Address
2) First Name, Last Name, Sex, Date of Birth, and Social Security Number

Additional information such as Middle Initial, Alias Name, Maiden Name, Race, Street Address, City, State, Zip Code and Birthplace improve chances of successfully linking your records to FCDS and we strongly encourage you to submit these data items if available.

There is a lot of preparation work to be done before a linkage is performed. The fields used in the linkage must be consistent in both data sets. Therefore, your data must be in a FIXED length ASCII file with the following record layout and format:

<table>
<thead>
<tr>
<th>Variable</th>
<th>Position</th>
<th>Length</th>
<th>Format</th>
</tr>
</thead>
<tbody>
<tr>
<td>Patient ID</td>
<td>1-15</td>
<td>15</td>
<td>Numeric or Alphanumeric Must be a unique identifier Right Alignment, use leading zeros if less than 8 digits No empty spaces, or special characters like hyphens etc.</td>
</tr>
<tr>
<td>First Name</td>
<td>16-55</td>
<td>40</td>
<td>Alpha Left Alignment – All Uppercase Spaces, hyphens, special characters and punctuation marks not allowed</td>
</tr>
<tr>
<td>Last Name</td>
<td>56-95</td>
<td>40</td>
<td>Alpha – All Uppercase Left Alignment Spaces, hyphens, special characters and punctuation marks not allowed</td>
</tr>
<tr>
<td>SSN</td>
<td>96-104</td>
<td>9</td>
<td>Alphanumeric (only numeric characters allowed) Right Alignment, leading 0’s if less than 9 digits No empty spaces, or special characters like dashes etc. Recode missing ssn’s to 9999999999</td>
</tr>
<tr>
<td>DOB</td>
<td>105-112</td>
<td>8</td>
<td>YYYYMMDD No empty spaces, or dashes or other special characters Recode missing month, day or year to 9’s (ex: 1/3/97 must show as 19970103, Jan 1997 must show as 19970199)</td>
</tr>
<tr>
<td>Sex</td>
<td>113-113</td>
<td>1</td>
<td>Numeric See attachment for Coding scheme</td>
</tr>
<tr>
<td>Race</td>
<td>114-115</td>
<td>2</td>
<td>Alphanumeric (only Numeric characters allowed) No empty spaces, leading 0’s if less than 2 digits See attachment for Coding scheme</td>
</tr>
<tr>
<td>Address</td>
<td>116-175</td>
<td>60</td>
<td>Alphanumeric Left Alignment - All alpha characters must be uppercase</td>
</tr>
<tr>
<td>Street</td>
<td>176-225</td>
<td>50</td>
<td>Alpha Left Alignment - All uppercase If unknown leave blank</td>
</tr>
</tbody>
</table>

V:\data requests\data linkage record layout.doc
<table>
<thead>
<tr>
<th>Variable</th>
<th>Position</th>
<th>Length</th>
<th>Format</th>
</tr>
</thead>
</table>
| State            | 226-227  | 2      | Alpha
                   USPS abbreviation for the state, territory, commonwealth, U.S.
                   possession, or CanadaPost abbreviation
                   Right Alignment
                   If unknown leave blank |
| County           | 228-230  | 3      | Alphanumeric (only numeric characters allowed)
                   For U.S. residents, standard codes are those of the FIPS publication
                   Use code 998 for Canadian residents
                   If unknown leave blank |
| Zip Code         | 231-235  | 5      | Alphanumeric (only numeric characters allowed)
                   Right Alignment, use leading zeros if less than 5 digits
                   For United States residents, enter either the 5-digit Zip code.
                   For United States residents, U.S. possessions or territories and the
                   Zip code is unknown enter 99999.
                   For residents of countries other than the United States, U.S.
                   possessions or territories, or Canada enter 88888.
                   For Canadian residents, use 99999. |
| Maiden Name      | 236-275  | 40     | Alpha
                   Left Alignment – All Uppercase
                   Spaces, hyphens, special characters and punctuation marks not allowed
                   If unknown or not applicable leave blank |
| Middle Name      | 276-315  | 40     | Alpha
                   Left Alignment – All Uppercase
                   Spaces, hyphens, special characters and punctuation marks not allowed
                   If unknown leave blank |
| Alias Name       | 316-355  | 40     | Alpha
                   Left Alignment – All Uppercase
                   Spaces, hyphens, special characters and punctuation marks not allowed.
                   If unknown leave blank |
| Birthplace State | 356-357  | 2      | Alpha
                   Use the USPS State abbreviation |
| Birthplace Country| 358-360  | 3      | Alpha
                   See Appendix B in the Data Acquisition Manual under downloads on the FCDS
                   website. |

The order of the variables may be changed as long as sufficient documentation is submitted.

The variable lengths and formats mentioned above are consistent with FCDS & NAACCR field standards. Any deviations in field length or variable format (except for Patient ID which is determined by the Researcher) will require extra work and will be charged accordingly (Refer to Fees and Billing Procedure in Procedure for Data Release document). It is very important to make field length match in both data sets. If field lengths are not consistent in both data sets, then the field must be truncated in one of the data sets leading to less accurate and thus fewer matches. The same applies to the variable format; they must be identical in both data sets.

There are fees associated with data linkage; please refer to the Data Request Fees pdf for the cost.

Should you have any questions please call Brad Wohler at (305)243-5527, email: bwohler@med.miami.edu.
SEX
Codes
1 Male
2 Female
3 Other (hermaphrodite)
4 Transsexual
9 Not stated/Unknown

RACE
Codes
01 White
02 Black
03 American Indian, Aleutian, or Eskimo (includes all indigenous populations of the Western hemisphere)
04 Chinese
05 Japanese
06 Filipino
07 Hawaiian
08 Korean
10 Vietnamese
11 Laotian
12 Hmong
13 Kampuchean (Cambodian)
14 Thai
15 Asian Indian or Pakistani, NOS
16 Asian Indian
17 Pakistani
20 Micronesian, NOS
21 Chamorran
22 Guamanian, NOS
25 Polynesian, NOS
26 Tahitian
27 Samoan
28 Tongan
30 Melanesian, NOS
31 Fiji Islander
32 New Guinean
96 Other Asian, including Asian, NOS and Oriental, NOS
97 Pacific Islander, NOS
98 Other
99 Unknown