

Synergistic Office Solutions, Inc.

Topic: Converting SOS standard dates in Crystal Reports
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User-Defined fields in the SOSData database may be formatted to accept only date entry. Dates entered through one of the date formats (such as @d1 or @d2) are converted and stored in the database as an integer string. For example, the date "1/1/99" is stored as "72322" in the database. The integer is the number of days since 12/28/1800. This can cause some confusion when outputting these values in a report done with Crystal Reports.

Rather than reporting the data directly, you should create a formula field to convert the integer back to a date. The following formula will accomplish this task, simultaneously filtering out invalid or missing data:

(For this example, we are using user-defined patient field 5 from RV_Patients. Just substitute the appropriate field for RV_Patients.Fld5 in the formula.)

```
NumberVar Days :=  
(IF NumericText({RV_Patients.Fld5})  
THEN ToNumber({RV_Patients.Fld5})  
ELSE 0);  
IF Days > 250000 OR Days = 0  
THEN Date(0,0,0)  
ELSE Date(1800,12,28)+Days
```