## Re: Cumulative Exposure Calculations

**Krista Christensen** to: Bob Benson 01/08/2013 05:26 AM

From: Krista Christensen/DC/USEPA/US
To:
Cc: brattin@srcinc.com, David Berry/R8/USEPA/US@EPA, Leonid Kopylev/DC/USEPA/US@EPA, Thomas Bateson/DC/USEPA/US@EPA

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Hi again-
On another note, I started to put together the new exposure estimates with the original dataset (as received from R8 on May 9, 2011). I also added to the new dataset the more detailed smoking data received from the UC (file attached below), as sent from Eric Borton to NCEA in 2007, but which I hadn't seen until recently.

EPA Smoke and Age 01312007.xls

This new (to me) file only has data from the 2004 interview, but there are some discrepancies with the data we have used previously--the 'ever smoke' variable we used lists 108 never smokers and 142 ever smokers, while the file from UC has a 'smoke status 2004' variable which lists 95 never smokers and 157 ever smokers (39 current and 118 ex-smokers). There is also one individual who stopped smoking before they started (smoke_age_start=28, smoke_age_stop=20), but I assume these two numbers were transposed.

Would it be possible to check these smoking data against the smoking data in your records (i.e. data used for the full cohort analyses)? Do you know of a possible reason for the discrepancy?

Thanks again,
Krista

Bob Benson---12/26/2012 12:40:18 PM---Attached are spreadsheet that have the data for cumulative exposure based on GM and AM approaches.

From: Bob Benson/R8/USEPA/US
To: Thomas Bateson/DC/USEPA/US@EPA, Krista Christensen/DC/USEPA/US@EPA, Leonid Kopylev/DC/USEPA/US@EPA
Cc: brattin@srcinc.com, David Berry/R8/USEPA/US@EPA
Date: 12/26/2012 12:40 PM
Subject: Cumulative Exposure Calculations

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Attached are spreadsheet that have the data for cumulative exposure based on GM and AM approaches. The calculations are all based on the 899 IH data (duplicates for 1977 for Track Unload were removed, but the GM JEM prepared originally by UC did not change) and the corrected seasonal adjustment factors.

Here is the original spread sheet from UC with the data by season and year for the 513 workers. One tab is based on GM, the other tab is based on AM.

[attachment "Worker exposure by season 12-20-2012.xlsx" deleted by Krista Christensen/DC/USEPA/US]

Bill prepared the two spreadsheet below. The data were narrowed to 434 workers based on the selection criteria described in the tab. The files show cumulative exposure for each of the 434 workers with lags of 0, 5, 10, 15, and 20 years. One file is based on GM, the other is based on AM.

[attachment "GM Data for Fitting NCEA Copy.xlsx" deleted by Krista Christensen/DC/USEPA/US]
[attachment "AM Data for Fitting NCEA Copy.xlsx" deleted by Krista Christensen/DC/USEPA/US]

I am in the office today. I will be out Dec 27, Dec 28 and will return Jan 2. Call me (303-312-7070) or Bill (home, 303-697-6593) if you have questions about the data sets.