

APPENDIX A
SELECTION OF KENTUCKY CASE RECORDS FOR MATCHING

Summaries of the steps involved in the case selection process (along with the cases retained / excluded at each step) for preparing the Kentucky WC and MSHA data files are presented in the following tables.

Kentucky WC File Case Selection

Step	Dropped	Case Count
Cases in Kentucky WC data files from years 2005 – 2010	--	204,111
Step 1 – Select cases with injury dates from 2005 – 2009, inclusive		
Cases from years 2004 and earlier	10,318	
Cases from 2010	27,356	
Number of cases dropped in Step 1	37,674	
Number of cases available for Step 2		166,437
Step 2 – Select cases that occurred in Kentucky (using county name and zip code)		
Cases without Kentucky zip code and without Kentucky county name	6,265	
Cases with Kentucky county name but valid non-Kentucky zip code	1	
Cases with Kentucky zip code but 'OUT OF STATE' county name and non-Kentucky company location	41	
Number of cases dropped in Step 2	6,307	
Number of cases available for Step 3		160,130
Step 3 – Select cases from the mining industry (using Industry Name and Industry Description)		
Cases from industries other than mining	152,656	
Number of cases dropped in Step 3	152,656	
Number of cases available for Step 4		7,474
Step 4 – Select cases with MSHA-reportable injury types		
Cases with cumulative stress injuries, psychological injuries, or lung conditions	1,235	
Number of cases dropped in Step 4	1,235	
Number of cases available for analysis		6,239

Kentucky MSHA File Case Selection

Step	Dropped	Case Count
Cases in the MSHA employee (aia) file 2005 – 2009	--	68,113
Step 1 – Select cases of accident and injury (where variable 'aia' is 21 or less)		
Cases with aia values over 21	1,625	
Number of cases dropped in Step 1	1,625	
Number of cases available for Step 2		66,488
Step 2 – Select cases that occurred in Kentucky (using variable 'state')		
Cases in states other than Kentucky	58,257	
Number of cases dropped in Step 2	58,257	
Number of cases available for Step 3		8,231
Step 3 – Select cases of actual physical injury using variable 'deginj'		
Cases with no injury	1,866	
Number of cases dropped in Step 3	1,866	
Number of cases available for analysis		6,365