

Households and the Environment Survey (2009)

Analytical Concepts Note Number 2 (May 2011)



Variable: GPDEQUIP

Description: Indication of whether a household reported using a gasoline-powered lawnmower, grass trimmer, leaf blower, chain saw or snow blower. It is based on variables GP_Q02 through GP_Q11B.

Discussion: As implemented, the GPDEQUIP variable is set to 1 (Yes) for all households that used at least one of the following gasoline-powered pieces of equipment: lawnmower, grass trimmer, leaf blower, chain saw or snow blower. It is set to 2 (No) for all households that did not report the use of any of these pieces of equipment and for households that used all types of these pieces of equipment with all being reported as “electric” or both “electric” and “manual” in the case of lawnmowers. Remaining in-scope households (i.e. those not in apartments) had GPDEQUIP set to 9 (Not stated).

While most users are probably going to report on households that used at least one of the gasoline-powered pieces of equipment by tabulating GPDEQUIP=1, others may wish to report on those households that did not, which is problematic if using the GPDEQUIP variable.

To create a more comprehensive indicator, users may wish to use the following code in a data step in SAS:

```
GPDEQUIP_REVISSED=9;

if (dwelcode in (5,6)) then GPDEQUIP_REVISSED=6;
else do;
  if ((gp_q03a=1) or (gp_q05a=1) or (gp_q07a=1) or (gp_q09a=1) or (gp_q11a=1)) then
    GPDEQUIP_REVISSED=1;
  else do;
    if ((gp_q02=2 or (gp_q03b=1 or gp_q03c=1))
      and (gp_q04=2 or gp_q05b=1)
      and (gp_q06=2 or gp_q07b=1)
      and (gp_q08=2 or gp_q09b=1)
      and (gp_q10=2 or gp_q11b=1)) then GPDEQUIP_REVISSED=2;
    end;
  end;
end;
```

The resulting code set for GPDEQUIP_REVISSED is as follows:

1	Yes	9,333	7,010,398
2	No	2,433	2,332,322
6	Valid skip	2,371	3,238,274
9	Not stated	617	801,181
		<hr/>	<hr/>
		14,754	13,382,175