

```
use g_hhsamp_ip, clear
```

```
* generate household (HH) response variable
```

```
recode g_ivfho (10 = 1) (11/16 = 2) (50/69 99 = 3) (else = .), gen(g_hhrr)
```

```
* label new variable
```

```
lab var g_hhrr "Household response outcomes"
```

```
lab define g_hhrr 1 "Complete HH" 2 "Partial HH" 3 "Nonresponding HH"
```

```
lab val g_hhrr g_hhrr
```

```
* keep variables of interest
```

```
keep g_hidp g_ivfho g_hhorig g_ff_gridmodew5 g_hhrr
```

```
* Household total response rate (RR)
```

```
fre g_hhrr
```

```
* HH RR for original and IP4 refreshment samples
```

```
//g_hhorig = 11 for original sample, 12 = IP4 refreshment, 13 = IP7 refreshment
```

```
fre g_hhrr if g_hhorig == 11 | g_hhorig == 12
```

```
* HH RR by mode design and sample
```

```
tab g_hhrr g_ff_gridmodew5 if g_hhorig == 11, col
```

```
tab g_hhrr g_ff_gridmodew5 if g_hhorig == 12, col
```

```
* HH RR by mode design
```

```
tab g_hhrr g_ff_gridmodew5 if g_hhorig == 11 | g_hhorig == 12, col
```

```
* HH RR for the IP7 Refreshment sample
```

```
fre g_hhrr if g_hhorig == 13
```

* HH RR by the three samples

```
tab g_hhrr g_hhorig, col
```

```
sort g_hidp
```

```
save g_hhsamp_ip, replace
```

```
use g_indsamp_ip
```

*Generate individual level response outcomes

```
//finloc variable refers to final location, use to avoid duplicated pidp
```

```
recode g_ivfio (1 = 1) (2 10/18 = 0) (else = .) ///
```

```
    if g_finloc == 1, gen(g_irr)
```

```
lab var g_irr "Individual response outcome"
```

```
lab define g_irr 1 "Response" 0 "Nonresponse"
```

```
lab val g_irr g_irr
```

```
keep pidp g_hidp g_ivfio g_irr
```

* merge individual data with household - g_hhsamp_ip

```
sort g_hidp
```

```
merge m:1 g_hidp using g_hhsamp_ip
```

* Total individual response rate

```
fre g_irr
```

* Individual RR for IP7 refreshment sample

```
fre g_irr if g_hhorig == 13
```

* Individual RR for the original and IP4 refreshment samples Combined

```
fre g_irr if g_hhorig != 13
```

* Individual RR by the three samples

```
tab g_irr g_hhorig, col
```

*Individual RR by Mixed-mode design allocation and sample

```
tab g_irr g_ff_gridmodew5 if g_hhorig == 11,col
```

```
tab g_irr g_ff_gridmodew5 if g_hhorig == 12,col
```

* RR by Mixed-mode allocation for Original and IP4 Refreshment samples only

```
tab g_irr g_ff_gridmodew5 if g_hhorig != 13, col
```

* save this data for later use

```
drop _merge
```

```
sort g_hidp
```

```
save g, replace
```

```
use g, clear
```

* open g_indresp_ip, the individual response data, and merge with hhsamp

```
use $dir2/g_indresp_ip, clear
```

```
keep pidp g_hidp g_indmode
```

```
sort g_hidp
```

```
merge m:m pidp using g
```

* Mode of completion at IP7 for original and IP4 Refreshment samples

```
fre g_indmode if g_ff_gridmodew5 == 3 & g_irr == 1 & g_hhorig !=13
```

```
fre g_indmode if g_ff_gridmodew5 == 3 & g_irr == 1 & g_hhorig ==11
```

```
fre g_indmode if g_ff_gridmodew5 == 3 & g_irr == 1 & g_hhorig ==12
```

```
fre g_indmode if g_ff_gridmodew5 == 1 & g_irr == 1 & g_hhorig !=13
```

```
fre g_indmode if g_ff_gridmodew5 == 1 & g_irr == 1 & g_hhorig ==11
```

```
fre g_indmode if g_ff_gridmodew5 == 1 & g_irr == 1 & g_hhorig ==12
```