

# Suppression Logic

- Across HSDAs within a Single HA
  - If the total value of a single HSDA is suppressed, suppress all male, female, and total values for all HSDAs
  - If only one male or one female value is suppressed within a single HSDA, triggering suppression of the value for the other gender, then all male and female values in all other HSDAs in that HA must be suppressed
  - If the values of opposite genders in two different HSDAs require suppression, then suppression as above must occur
  - If the values of a single gender in two or more HSDAs require suppression, then only the values of the opposite gender in those HSDAs require suppression

# Suppression Triggers

- Is the cell value greater than 0 and less than 5?
- Can you recalculate the suppressed value from a triplet? I.e. Male/Female/Total.
- Can you recalculate the suppressed values from higher-order elements? I.e. HA totals and other HSDAs.

# Current Logic: Example 1

HSDA	HA_F	HA_M	HA_T	HSDA_F	HSDA_M	HSDA_T
East Kootenay	41	40	81	2	5	7
Kootenay Boundary	41	40	81	18	6	24
Okanagan	41	40	81	16	15	31
Thompson Cariboo Shuswap	41	40	81	5	14	19

- Step 1 (gray)
  - Single gender suppression within one HSDA
- Step 2 (orange)
  - Trigger suppression of males within East Kootenay
- Step 3 (blue)
  - Trigger suppression of all male and female values for remaining three health service delivery areas

# Alternative Logic: Example 1

HSDA	HA_F	HA_M	HA_T	HSDA_F	HSDA_M	HSDA_T
East Kootenay	41	40	81	2	5	7
Kootenay Boundary	41	40	81	18	6	24
Okanagan	41	40	81	16	15	31
Thompson Cariboo Shuswap	41	40	81	5	14	19

- Step 1 (gray)
    - Single gender suppression within one HSDA
  - Step 2 (orange)
    - Trigger suppression of males within East Kootenay
  - Step 3 (blue)
    - Trigger suppression of all male and female values for health service delivery area with next lowest total
- No further suppression needed

## Current Logic: Example 2

HSDA	HA_F	HA_M	HA_T	HSDA_ F	HSDA_ M	HSDA_ T
East Kootenay	41	37	78	2	2	4
Kootenay Boundary	41	37	78	18	6	24
Okanagan	41	37	78	16	15	31
Thompson Cariboo						
Shuswap	41	37	78	5	14	19

- Step 1 (gray)
  - Dual gender suppression within one HSDA
- Step 2 (orange)
  - None
- Step 3 (blue)
  - Trigger suppression of all male and female values for remaining three health service delivery areas

# Alternative Logic: Example 2

HSDA	HA_F	HA_M	HA_T	HSDA_ F	HSDA_ M	HSDA_ T
East Kootenay	41	37	78	2	2	4
Kootenay Boundary	41	37	78	18	6	24
Okanagan	41	37	78	16	15	31
Thompson Cariboo						
Shuswap	41	37	78	5	14	19

- Step 1 (gray)
    - Dual gender suppression within one HSDA
  - Step 2 (orange)
    - None
  - Step 3 (blue)
    - Trigger suppression of all male and female values for health service delivery area with next lowest total
- No further suppression needed

## Example 3

HSDA	HA_F	HA_M	HA_T	HSDA_ F	HSDA_ M	HSDA_ T
East Kootenay	41	35	76	2	5	7
Kootenay Boundary	41	35	76	18	1	19
Okanagan	41	35	76	16	15	31
Thompson Cariboo						
Shuswap	41	35	76	5	14	19

- Step 1 (gray)
  - Single gender suppression within one HSDA (x2)
- Step 2 (orange)
  - Trigger suppression of males within East Kootenay and females within Kootenay Boundary
- Step 3 (blue)
  - No further suppression needed

## Example 4

HSDA	HA_F	HA_M	HA_T	HSDA_ F	HSDA_ M	HSDA_ T
East Kootenay	24	40	64	2	5	7
Kootenay Boundary	24	40	64	1	6	7
Okanagan	24	40	64	16	15	31
Thompson Cariboo						
Shuswap	24	40	64	5	14	19

- Step 1 (gray)
  - Single gender suppression within one HSDA (x2)
- Step 2 (orange)
  - Trigger suppression of males within East Kootenay and males within Kootenay Boundary
- Step 3 (blue)
  - No further suppression needed



## Example 5

HSDA	HA_F	HA_M	HA_T	HSDA_ F	HSDA_ M	HSDA_ T
East Kootenay	24	34	58	2	2	4
Kootenay Boundary	24	34	58	1	3	4
Okanagan	24	34	58	16	15	31
Thompson Cariboo						
Shuswap	24	34	58	5	14	19

- Step 1 (gray)
  - Small cells suppressed for both genders and totals for two HSDAs
- Step 2 (orange)
  - None
- Step 3 (blue)
  - None