



ASCOTT, QUEBEC, CANADA

1825 CENSUS

BY

JAY MACK HOLBROOK

EARLY QUEBEC CANADA





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**PROPRIÉTÉ DE LA
SOCIÉTÉ FRANCO-ONTARIENNE
D'HISTOIRE ET DE GÉNÉALOGIE**

HOLBROOK RESEARCH INSTITUTE
57 LOCUST STREET
OXFORD, MASSACHUSETTS 01540
1976

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KEY TO CENSUS

THE NAMES OF ALL HOUSEHOLD HEADS ARE LISTED ALPHABETICALLY ACCORDING TO SURNAME. THE REMAINING DATA ITEMS REPRESENT HOUSEHOLD SIZE, AGE GROUPINGS, AND FINALLY THE PAGE NUMBER IDENTIFYING THE LOCATION OF THE INFORMATION IN THE LOWER CANADA CENSUS OF 1825. THE CENSUS FORMAT IS AS FOLLOWS:

COLUMNS	CENSUS INFORMATION
1	TOTAL NUMBER OF PERSONS LIVING IN THIS HOUSE.
2	TOTAL NUMBER OF PERSONS LIVING IN THIS HOUSE.
3	NUMBER OF PERSONS UNDER 6 YEARS OF AGE.
4	NUMBER OF PERSONS AGE 6 TO 13.
5	NUMBER OF PERSONS AGE 14 TO 17.
6	NUMBER OF SINGLE MALES AGE 18 TO 24.
7	NUMBER OF MARRIED MALES AGE 18 TO 24.
8	NUMBER OF SINGLE MALES AGE 25 TO 39.
9	NUMBER OF MARRIED MALES AGE 25 TO 39.
10	NUMBER OF SINGLE MALES AGE 40 TO 59.
11	NUMBER OF MARRIED MALES AGE 40 TO 59.
12	NUMBER OF SINGLE MALES AGE 60 AND OVER.
13	NUMBER OF MARRIED MALES AGE 60 AND OVER.
14	NUMBER OF FEMALES UNDER AGE 14.
15	NUMBER OF SINGLE FEMALES AGE 14 TO 44.
16	NUMBER OF MARRIED FEMALES AGE 14 TO 44.
17	NUMBER OF SINGLE FEMALES AGE 45 AND OVER.
18	NUMBER OF MARRIED FEMALES AGE 45 AND OVER.
19	NUMBER OF MALES UNDER AGE 14.
20	NUMBER OF MALES UNDER AGE 18.
21	NUMBER OF FEMALES UNDER AGE 18.
22	PAGE NUMBER
23	PAGE NUMBER
24	PAGE NUMBER

THE POPULATION OF ASCOTT, CANADA IN 1825 INCLUDED 756 PERSONS LIVING IN 122 HOUSEHOLDS. THE MEAN HOUSEHOLD SIZE WAS 6.2 (MEDIAN = 5.8) WITH A STANDARD DEVIATION OF 3.3. THERE WERE 16 HOUSEHOLDS (13%) THAT WERE EXTENDED IN THE SENSE THAT THEY CONTAINED EITHER TWO MARRIED COUPLES (3), 3 MARRIED PERSONS (8), OR SINGLE ADULTS OLDER THAN THE MARRIED COUPLE (5). THERE WERE TEN HOUSEHOLDS (8.2%) THAT HAD ONLY ONE MARRIED PERSON. EIGHT OF THESE TEN HOUSEHOLDS INCLUDED CHILDREN WHILE THE OTHER TWO REPRESENTED MARRIED MEN LIVING ALONE. FINALLY, 7 HOUSEHOLDS (5.7%) COMPRISED SINGLE ADULTS BOTH WITH (4) AND WITHOUT (3) CHILDREN. IN TOTAL, THEN, THERE WERE 87 HOUSEHOLDS (71%) WHERE THE BASIC FAMILY UNIT INCLUDED 2 PARENTS AND OFFSPRING. TABLE 1 ILLUSTRATIVELY CATEGORIZES NUMBER OF PERSONS LIVING IN HOUSEHOLDS OF SIZE 1 TO 22.

TABLE 2 PRESENTS THE TOWNSHIP'S SEX AND AGE STRUCTURE. THE OVERALL SEX RATIO (SR = (MALES / FEMALES) * 100) EQUALLED 111.2 MALES PER 100 FEMALES. DEPENDENCY RATIOS (DR = (YOUNG POPULATION + OLD POPULATION) / WORKING POPULATION) EXPRESSED AS DEPENDENCY POPULATION PER 100 IN THE WORKING POPULATION ARE (1) 88 AND (2) 124 RESPECTIVELY. THE FOLLOWING CALCULATIONS WERE POSSIBLE BY ESTIMATING THE NUMBER OF FEMALES AGE 14-59 AND AGE 18-59 BY INVERTING THE SEX RATIO FORMULA AND THEN MULTIPLYING BY THE TOTAL MALES OF THE SAME AGE. FOR INSTANCE, FOR AGES 14 AND OVER THE NUMBER OF FEMALES (200) IS DIVIDED BY THE NUMBER OF MALES (228) = .877 * NUMBER OF MALES AGE 14-59 (215) = 188.

$$\begin{aligned}
 &(1) \text{ (AGE 0-13 + 60 AND OVER) / AGE 14-59} \\
 &\quad (328 + 25) / 403 = 353 / 403 = 88 \\
 &\quad \text{FOR MALES:} \\
 &\quad (170 + 13) / 215 = 183 / 215 = 85 \\
 &\quad \text{FOR FEMALES:} \\
 &\quad (158 + 12) / 188 = 170 / 188 = 90 \\
 \\
 &(2) \text{ (AGE 0-17 + 60 AND OVER) / AGE 18-59} \\
 &\quad (394 + 25) / 337 = 419 / 337 = 124 \\
 &\quad \text{FOR MALES:} \\
 &\quad (212 + 13) / 173 = 225 / 173 = 130 \\
 &\quad \text{FOR FEMALES:} \\
 &\quad (182 + 12) / 164 = 194 / 164 = 118
 \end{aligned}$$

TABLE 3 PROVIDES SOME VERY ROUGH FERTILITY ESTIMATES BASED ON THE AGE STRUCTURE SHOWN IN TABLE 2. THE THREE INDIRECT MEASURES SUGGEST A CRUDE BIRTH RATE FROM 31 TO 40 PER 1000. THE ASSUMPTION IS MADE THAT THE CHILD WOMAN RATIO (CWR) WHEN DIVIDED BY SIX YEARS REPRESENTS A BIRTH-WOMAN RATIO WHICH IS AN APPROXIMATE REPRESENTATION OF THE GENERAL FERTILITY RATE (GFR). IT SHOULD ALSO BE NOTED THAT THE NUMERATOR INCLUDES AGES 0-5 RATHER THAN AGES 0-4 AND THE DENOMINATOR CONTAINS AGES 14-44 RATHER THAN AGES 15-44. FURTHER, PERCENTAGES OF THE POPULATION AGE 0-5 AND 0-13 ARE

ASSUMED COMPARABLE WITH CRUDE BIRTH RATES (CBR). THESE CALCULATIONS SUGGEST AVERAGE BIRTHS PER WOMAN OF APPROXIMATELY 4.4 IF THE CBR WAS 31, 5.2 IF THE CBR WAS 37, AND 5.7 IF THE CBR WAS 40.

AN ATTEMPT WAS ALSO MADE TO ESTIMATE MORTALITY USING HILLERY AND SAUNDERS (1968) MORTALITY INDEX (MI) BASED ON THE ASSUMPTION THAT $MI = \text{FERTILITY RATIO} / \% \text{ OF AGED}$. THE OPERATIONAL FORMULA ($MI = (0-14 / 15-74) * (\text{TOTAL POPULATION} / 75 \text{ YEARS AND OVER})$) WAS REVISED TO FIT THE AGE DATA OF THE ASCOTT POPULATION AS FOLLOWS: $MI = (0-13 / 14-59) * (\text{TOTAL POPULATION} / 60 \text{ YEARS AND OVER})$. FOR MALES THE MI = 24.2 AND FOR FEMALES THE INDEX WAS 25. TRANSLATING THESE INDEXES INTO APPROXIMATELY EQUIVALENT LIFE EXPECTATION OF BIRTH (E0) TERMS REQUIRED USE OF THE LINEAR REGRESSION FORMULA $Y = A + BX$, WHERE $Y = E0$, $X = MI$, $A = \text{INTERCEPT}$ AND $B = \text{REGRESSION COEFFICIENT}$. BY USING HILLERY AND SAUNDERS (1968) HISTORICAL REGRESSION EQUATION COMPONENTS, THE LIFE EXPECTATION AT BIRTH FOR MALES ($Y = 72.85 + -.451 * 24.2$) AND FEMALES ($Y = 75.69 + -.501 * 25$) WAS 62 AND 63 YEARS RESPECTIVELY.

A COMPARISON OF THESE LIFE EXPECTANCIES WITH COALE AND DEMENY'S (1966) REGIONAL MODEL WEST LIFE TABLES IS SHOWN IN TABLE 4. THE GROSS REPRODUCTION RATES (GRR) DERIVED FROM THE TOTAL FERTILITY RATES IN TABLE 3 ARE USED TO GENERATE THE REMAINING DEMOGRAPHIC PARAMETERS. OF NOTE IS THE ASTOUNDING LOW CRUDE DEATH RATES (CDR) FROM 8.4 TO 10.3 PER 1000. POPULATION RATES OF INCREASE (RI) RANGED FROM 1.9% TO 3.5%.

THE CREDABILITY OF TABLE 4 MAY BE QUESTIONED. FIRST, HILLERY AND SAUNDERS (1968) SPECIFY THAT THE MODEL WORKS BEST FOR LARGE POPULATIONS. SECOND, THE REGRESSION EQUATION COMPONENTS A AND B ARE FROM A DIFFERENT SET OF DATA. FINALLY, IT SHOULD BE NOTED THAT THIS METHOD TOGETHER WITH THE COALE AND DEMENY (1966) STABLE POPULATION MODELS PRODUCES BIRTH-WOMAN RATIOS (BWR) OF 102, 85, AND 68 THAT ARE AT CONSIDERABLE VARIANCE WITH THE CALCULATED BWR OF 177 AND DERIVED GFR OF 161 AND 134 USING THE FORMULAS OF BOGUE AND PALMORE (1964:318).

TO INSURE THE ACCURACY OF THE CENSUS DATA, EACH HOUSEHOLD LISTING HAS BEEN EXAMINED FOR POSSIBLE ERRORS MADE BY THE CENSUS TAKER BY COMPARING THE SUM OF THE AGE DISTRIBUTION COLUMNS WITH THE TOTAL HOUSEHOLD SIZE. THIS CHECK REQUIRED THAT THE AGE DISTRIBUTION COLUMNS 3 THROUGH 18, EXCLUDING COLUMN 14 WHICH IS INCLUDED IN COLUMNS 3 AND 4, BE SUMMED AND COMPARED WITH THE HOUSEHOLD SIZE IN COLUMNS 1 AND 2 FOR EQUALITY. IF THE AGE DISTRIBUTION TOTALS WERE LESS THAN THE TOTAL HOUSEHOLD SIZE, THEN AN ERROR EXISTED IN THE RECORD. IF THE AGE DISTRIBUTION TOTALS WERE GREATER THAN THE TOTAL HOUSEHOLD SIZE, THEN THE RECORD WAS IN ERROR UNLESS THERE WERE FEMALES AGE 14-17 THAT HAD BEEN COUNTED TWICE. (TO CHECK FOR A DUPLICATE COUNT OF FEMALES AGE

14-17, COLUMN 5 WAS EXAMINED AGAINST COLUMNS 15 AND 16 AS SHOWN IN TABLE 5, EQUATION 20).

ANOTHER METHOD FOR DISCOVERING ERRORS ENTAILED THE CREATION OF THREE NEW COLUMNS (19, 20, AND 21) WHICH SERVED AS A CHECK ON THE ACCURACY OF COLUMNS 3, 4, 5, AND 14. FURTHER, THESE NEW COLUMNS PERMITTED AGE DISTRIBUTION ANALYSIS AT THE SAME AGE FOR EITHER SEX. FOR EXAMPLE, THE TOTAL AGE 0-13 (COLUMNS 3 + 4) EQUALS THE TOTAL MALES AND FEMALES AGE 0-13 (COLUMNS 14 + 19). ALSO, THE TOTAL MALES AND FEMALES AGE 0-17 (COLUMNS 20 + 21) EQUALS THE TOTAL AGE 0-17 (COLUMNS 3 + 4 + 5). ACCORDINGLY, COLUMNS 19, 20, AND 21 WERE DERIVED AS FOLLOWS AND ARE INCLUDED IN TABLE 5 AS PARTS OF EQUATIONS 1, 2, AND 8 RESPECTIVELY:

A. COLUMN 19 (MALES AGE 0-13) = COLUMNS 3 + 4) - COLUMN 14. SUBTRACT THE FEMALES AGE 0-13 FROM THE TOTAL AGE 0-13.

B. COLUMN 20 (MALES AGE 0-17) = COLUMNS 1 AND 2 - COLUMNS 6 THROUGH 18. SUBTRACT THE TOTAL FEMALES AND MALES AGE 18 AND OVER FROM THE TOTAL HOUSEHOLD SIZE.

C. COLUMN 21 (FEMALES AGE 0-17) = COLUMNS 3 + 4 + 5) - COLUMN 20. SUBTRACT THE TOTAL MALES AGE 0-17 FROM THE TOTAL AGE 0-17.

AS A RESULT OF THESE ERROR CHECKS THE LISTINGS SHOWN IN THEIR ORIGINAL FORM AT THE END OF THE CENSUS INDEX WERE FOUND IN ERROR. THE DUPLICATE RECORD IN THE MAIN BODY OF THE INDEX CONTAINS AN ADJUSTMENT THAT ENSURES EQUALITY BETWEEN THE TOTAL HOUSEHOLD SIZE AND THE AGE DISTRIBUTION CATEGORIES. IN ADJUSTING THE ERROR RECORDS THREE ARBITRARY RULES ASSOCIATED WITH THE GENERAL AREAS OF (1) AGE DISTRIBUTION BY SEX (COLUMNS 6 THROUGH 18); (2) TOTAL PERSONS UNDER AGE 18 (COLUMNS 3, 4, AND 5); AND (3) TOTAL HOUSEHOLD SIZE (COLUMNS 1 AND 2) WERE FORMULATED:

1. NO CHANGE IN AGE DISTRIBUTION BY SEX.

2. ADJUST HOUSEHOLD SIZE UPWARD ONLY WHEN TOTALS IN COLUMNS 3 THROUGH 18, EXCLUDING COLUMN 14, EXCEEDED THE TOTAL HOUSEHOLD SIZE.

3. CHANGE A NUMBER IN COLUMNS 3, 4, OR 5 IF AGE DISTRIBUTION TOTALS (COLUMNS 6 THROUGH 18 MINUS COLUMN 14) TOGETHER WITH COLUMNS 3, 4, AND 5 WERE LESS THAN HOUSEHOLD SIZE (COLUMNS 1 AND 2).

AS EXPECTED, ADJUSTMENTS IN COLUMNS 1 THROUGH 5 FOR 13 OF THE 122 LISTINGS (11%) GAVE DIFFERENT TOTALS (ADJUSTED) THAN THOSE PROVIDED BY THE CENSUS TAKER (CENSUS). MORE CURIOUS, HOWEVER, WAS THE PRESENCE OF DIFFERENCES IN EVERY COLUMN EXCEPT 6 AND 10 AND THE AGREEMENT OF THE TOTAL

POPULATION AT 756. FOLLOWING IS A COMPARISON BY COLUMN OF THE TWO TOTALS AND THE DIFFERENCES:

COLUMNS	ADJUSTED	CENSUS	DIFFERENCES
1-2	756	756	0
3	166	169	3
4	162	156	6
5	66	57	9
6	37	37	0
7	5	6	1
8	26	27	1
9	58	57	1
10	1	1	0
11	46	36	10
12	2	1	1
13	11	12	1
14	158	160	2
15	68	69	1
16	88	90	2
17	15	14	1
18	29	28	1

WHEN THE COLUMNS TOTALS ARE COLLAPSED INTO MAJOR AGE COMPONENTS, THE DIFFERENCES APPEAR AS FOLLOWS:

AGES	COLUMNS	ADJUSTED	CENSUS	DIFFERENCES
A0-13	3-4	328	325	3
A0-17	3-5	394	382	12
M>17	6-13	186	177	9
F0-13	14	158	160	2
F>13	15-18	200	201	1
F	14-18	358	361	3

IN ORDER TO DETERMINE THE ACCURACY OF THE ADJUSTED AND CENSUS COLUMNS THESE TOTALS WERE SUBJECTED TO 20 BALANCING EQUATIONS THAT REQUIRE AN EQUALITY BETWEEN A SPECIFIC AGE GROUP AND ITS RELATED COMPONENTS (SEE TABLE 5). NO ERRORS WERE FOUND IN THE ADJUSTED COLUMNS; WHEREAS, EQUATIONS 3,6,13,14,15,18, AND 20 IDENTIFIED INEQUALITIES IN THE CENSUS COLUMNS. IT APPEARS, THEREFORE, THAT THE CENSUS TAKER INCORRECTLY TOTALED THE COLUMNS. TO ILLUSTRATE, USING EQUATION 20, THE FOLLOWING CALCULATIONS ARE PROVIDED:

$$\text{FORMULA: } P = A0-17 + M>17 + F>17 = A013 + M>13 + F>13$$

CENSUS COLUMN CALCULATIONS

$$P = 382 + 177 + 197 = 756; P = 325 + 225 + 201 = 751$$

THEREFORE: 756 IS NOT EQUAL TO 751

ADJUSTED COLUMN CALCULATIONS

$$P = 394 + 186 + 186 + 176 = 756; P = 328 + 228 + 200 = 756$$

THEREFORE: 756 = 756

TABLE 1

SIZE OF HOUSEHOLDS IN
ASCOTT, CANADA, 1825

PERSONS PER HOUSEHOLD	NUMBER OF HOUSEHOLDS (H) AND PERSONS (P)					
	H	%	CUM%	P	%	CUM%
1	2	1.6	1.6	2	.3	.3
2	9	7.4	9.0	18	2.4	2.7
3	17	13.9	23.0	51	6.7	9.4
4	15	12.3	35.2	60	7.9	17.3
5	14	11.5	46.7	70	9.3	26.6
6	14	11.5	58.2	84	11.1	37.7
7	11	9.0	67.2	77	10.2	47.9
8	17	13.9	81.1	136	18.0	65.9
9	6	4.9	86.1	54	7.1	73.0
10	6	4.9	91.0	60	7.9	80.9
11	4	3.3	94.3	44	5.8	86.7
12	3	2.5	96.7	36	4.8	91.5
13	1	.8	97.5	13	1.7	93.2
14	1	.8	98.4	14	1.9	95.1
15	1	.8	99.2	15	2.0	97.1
22	1	.8	100.0	22	2.9	100.0
TOTALS	122			756		

TABLE 2

SEX AND AGE STRUCTURE OF
ASCOTT, CANADA, 1825

MALES 18 AND OVER MARRIED (MD) AND SINGLE (S)

AGES	MD	%	S	%	TOTAL	%
18-24	5	4	37	56	42	23
25-39	58	48	26	39	84	45
40-59	46	39	1	2	47	25
60+	11	9	2	3	13	7
TOTALS	120	100	66	100	186	100

FEMALES 14 AND OVER MARRIED (MD) AND SINGLE (S)

AGES	MD	%	S	%	TOTAL	%
14-44	88	75	68	82	156	78
45+	29	25	15	18	44	22
TOTALS	117	100	83	100	200	100

TOTAL MALE AND FEMALE AGE DISTRIBUTIONS

AGES	MALES		FEMALES		N	SR
	N	%	N	%		
0-5					166	
6-13					162	
14-17	42	67	24	36	66	175
0-13	170	52	158	48	328	107.6
0-17	212	54	182	46	394	116.5
14-59	215	53	188	47	403	114.4
18-59	173	51	164	49	337	105.5
14+	228	53	200	47	428	114
18+	186	51	176	49	362	105.7
60+	13	52	12	48	25	108.3
TOTAL	398	53	358	47	756	111.2

TABLE 3

FERTILITY ESTIMATES FOR
ASCOTT, CANADA, 1825

INDEX	RATE	FORMULA
INDIRECT MEASURES		
BWR	177	AGE 0-5 / FEMALES AGE 14-44 (166 / 156 = 1.06 / 6 = .177)
% TOTAL POPULATION AGE 0-5	37	AGE 0-5 / TOTAL POPULATION (166 / 756 = .2196 / 6 = .037)
% TOTAL POPULATION AGED 0-13	31	AGE 0-13 / TOTAL POPULATION (328 / 756 = .434 / 14 = .031)
DIRECT MEASURES		
IF BWR = 177:		
GFR	177	GFR = BIRTHS / FEMALES 14-44 (166 / 156 = 1.06 / 6 = .177)
CBR	40	CBR = 0.2141 * GFR + 2.2903
TFR	5688	TFR = 30.195 * GFR + 343.28
IF CBR = .37:		
GFR	161	GFR = 4.5952 * CBR - 8.5945
TFR	5210	TFR = 137.94 * CBR + 106.16
IF CBR = 31:		
GFR	134	GFR = 4.5952 * CBR - 8.5945
TFR	4382	TFR = 137.94 * CBR + 106.16

NOTES:

(1) BWR = BIRTH-WOMAN RATIO; GFR = GENERAL FERTILITY RATE; CBR = CRUDE BIRTH RATE; TFR = TOTAL FERTILITY RATE

(2) FORMULAS FOR CALCULATIONS OF DIRECT MEASURES ARE THOSE DERIVED BY BOGUE AND PALMORE (1964:318).

(3) THE GFR TRANSFORMATION EQUATION IS BASED ON A GFR FORMULA OF BIRTHS / FEMALES 15-49 RATHER THAN FEMALES 14-44.

(4) ALL RATES ARE PER 1000 POPULATION.

TABLE 4

STABLE POPULATION MODEL WEST ESTIMATES
FOR ASCOTT, CANADA, 1825

	MALES (LEVEL 19)	FEMALES (LEVEL 18)
LIFE EXPECTANCY	61.2	62.5
CALCULATED GRR = 3		
CBR	43.5	42.4
CDR	8.4	8.4
BWR	104	102
DR	102	101
RI (%)	3.5	3.4
CALCULATED GRR = 2.5		
CBR	37.5	36.4
CDR	9.1	9.0
BWR	87	85
DR	90	89
RI (%)	2.8	2.7
CALCULATED GRR = 2.0		
CBR	30.7	29.6
CDR	10.3	10.2
BWR	70	68
DR	78	79
RI (%)	2.0	1.9

NOTES:

(1) GRR = GROSS REPRODUCTION RATE; CBR = CRUDE BIRTH RATE; CDR = CRUDE DEATH RATE; BWR = BIRTH-WOMAN RATIO; DR = DEPENDENCY RATIO (PER 100); RI = RATE OF INCREASE

(2) THE GRR IS CALCULATED BY ASSUMING THE PROPORTION OF FEMALES AGE 0-5 IS 48.8% (SEX RATIO = 105) AND THEN MULTIPLYING THIS % BY THE TOTAL FERTILITY RATE (TFR). GRR = TFR * % FEMALES AT BIRTH; IE., 5688 * .488 = 2.8, 5210 * .488 = 2.5, AND 4382 * .488 = 2.1. FOR COMPARISON WITH THE STABLE POPULATION MODELS THE GRR OF 3.0, 2.5, AND 2.0 RESPECTIVELY WERE USED (COALE AND DEMENY:108,206).

TABLE 5

BALANCING EQUATIONS

1. $M0-13 = A0-13 - F0-13 = P - (M>13 + F)$
2. $M0-17 = A0-17 - F0-17 = P - (M>17 + F)$
3. $M14-17 = M017 - M0-13 = M>13 - M>17$
 $M14-17 = P - (A0-13 + M>17 + F>13)$
4. $M>13 = M - M0-13 = P - (M0-13 + F)$
5. $M>17 = M - M0-17 = P - (M0-17 + F)$
6. $M = M>17 + M0-17 = M>13 + M0-13 = P - F$
7. $F0-13 = A0-13 - M0-13 = P - (F>13 + M)$
8. $F0-17 = A0-17 - M0-17 = P - (F>17 + M)$
9. $F14-17 = F0-17 - F0-13 = F>13 - F>17$
 $F14-17 = (A0-17 + M>17 + F>13) - P$
10. $F>13 = F - F0-13 = P - (F0-13 + M)$
11. $F>17 = F - F0-17 = P - (F0-17 + M)$
12. $F = F>17 + F0-17 = F>13 + F0-13 = P - M$
13. $A0-5 = A0-17 - (A6-13 + A14-17)$
 $A0-5 = P - (M>17 + F>13 + A6-13 + A14-17)$
14. $A6-13 = A0-17 - (A0-5 + A14-17)$
 $A6-13 = P - (M>17 + F>13 + A0-5 + A14-17)$
15. $A0-13 = A0-5 + A6-13 = P - (M>13 + F>13)$
 $A0-13 = P - (M>17 + F>13 + M14-17)$
16. $A14-17 = M14-17 + F14-17 = A0-17 - A0-13$
 $A14-17 = P - (M>17 + F>17 + A0-13)$
17. $A0-17 = A0-5 + A6-13 + A14-17 = P - (M>17 + F>17)$
18. $A>13 = M>13 + F>13 = P - A0-13$
19. $A>17 = M>17 + F>17 = P - A0-17$
20. $P = A0-17 + M>17 + F>13 - F14-17$
 $P = A0-17 + M>17 + F>17 = A0-13 + M>13 + F>13$

NOTES:

(1) M = MALES; F = FEMALES; A = AGES; P = POPULATION TOTAL

(2) NUMBERS FOLLOWING M, F, OR A REPRESENT AGE CATEGORIES. IF THERE IS NO NUMBER, THEN M OR F REPRESENTS THE TOTAL MALES OR FEMALES.

ABBOTT, EBENEZAR	05	000	10100001	01001	000	535
ALDRICH, ASAH	09	221	20000100	20100	232	533
ALGER, ASA	04	000	10000001	01001	000	533
ALGER, JOSEPH	03	000	00300000	00000	000	534
BALL, DAVID	07	221	00010000	10100	341	534
BALL, JONATHAN	02	000	00000001	00001	000	534
BALL, SAMUEL	05	010	00100100	01001	110	534
BALL, WILLIAM	08	330	00000100	20100	442	534
BALLARD, LUTHER	04	001	00100000	01010	010	533
BELLOWS, BENJAMIN	10	022	01100100	03001	231	535
BLAIR, JAMES	01	000	00000100	00000	000	533
BLODGETT, GALEN	08	330	00010000	50100	115	533
BLODGETT, JAMES	04	001	10000001	00001	010	533
BLODGETT, JAMES JR.	04	200	01000000	20100	002	533
BLODGETT, OLIVER	02	000	00010000	00100	000	534
BLODGETT, SALMON	06	031	00000100	21001	113	535
BLODGETT, WILLIAM	06	220	00010000	20100	222	533
BROOKS, SAMUEL	08	220	10010000	11100	331	535
BURNER, THOMAS	10	521	00000100	20100	562	534
BUTLER, HIRAM	02	000	00010000	00100	000	533
CHAMBERLIN, ABIAL	07	310	10010000	10100	331	534
COLCLOUGH, GUY	08	321	00010000	21100	333	533
COLE, JOHN	03	100	00010000	10100	001	535
CONNER, THOMAS	03	000	00110000	00100	000	534
CRAGGY, JAMES	06	400	00010000	10100	331	533
DODGE, WILLIAM	04	020	00010000	10100	111	533
DORMAN, EZRA	09	232	00000100	31100	234	534
DRUMMOND, THOMAS	05	001	10000001	01001	010	533
ELIOTT, EZEKIEL	08	220	00100100	41001	004	535
FISHER, JOSHUA	07	120	00210000	10100	221	533
FISHER, SAMUEL	08	121	10000100	22001	113	534
FLETCHER, JOHN	05	100	10000100	10101	001	534
GLANDAY, THOMAS	04	001	00000100	01001	010	533
GOODHUE, CHARLES F. H.	08	211	00010000	11110	231	534
GORDON, THOMAS	06	220	00010000	00100	440	534
GREENWOOD, SAMUEL	02	000	00001000	01000	000	535
HALL, TALMON	08	112	11000100	10001	131	535
HALLOWELL, JAMES	03	000	00010000	01100	000	534
HANCOCK, ARTIMUS	05	120	00010000	20100	112	535
HANCOCK, BETSEY	04	120	00000000	11000	221	533
HANDLEY, JAMES	05	110	00010000	00101	220	534
HARVEY, JOHN T.	11	321	00010000	31120	233	534
HASKELL, BENJAMIN	08	032	00000100	21110	123	533
HASKELL, JOHN	10	440	00000100	60100	226	533
HASKELL, SEWELL	04	200	00010000	10100	111	534
HIBBARD, PLENY T.	15	340	00310000	53100	225	534
HINDMAN, CARY	05	200	00010000	01100	220	534
HOLSE, MOSES	08	221	00000100	31100	123	533
HOSAN, JAMES	05	111	00010000	11100	112	534
HUNTING, SETH	08	230	00010000	20110	332	534
HUNTING, WILLIAM	08	221	10000100	11100	332	534
HYATT, ABRAHAM	09	122	10000100	31001	023	534
HYATT, CORNELIUS	07	022	10000001	21001	013	533

HYATT,GALEN	07	021	10100000	11010	121	534
HYATT,JOSEPH	02	000	00010000	00100	000	534
HYATT,NATHAN C.	03	100	00010000	10100	001	533
JACK,JAMES	08	420	00010000	40100	224	534
JOHNSON,WILLIAM	06	031	00010000	00100	340	533
KENDALE,NATHANIEL	07	131	00000100	11001	332	533
KENT,JACOB	14	144	10000101	20101	372	534
KING,IRA	06	000	10210000	02000	000	535
LACHANCE,CHARLES	06	201	00000100	11010	121	533
LAHAIE,PETER	03	100	00010000	10100	001	535
LEAR,JAMES	05	210	00010000	20100	112	535
LOOMIS,FRANCIS	03	100	00010000	10100	001	533
LOOMIS,WARREN	03	100	00010000	00100	110	533
MALLORY,SAMUEL	06	110	00110010	10100	111	535
MALLORY,SEMION	02	000	00000100	00100	000	535
MALVINA,JOHN	03	100	00010000	10100	001	534
MARTIN,ANDREW T.	04	100	00010000	01100	110	533
MCCURDY,ARCHIBALD	06	310	00000100	20100	222	534
MCCURDY,JOHN	06	211	00000100	10100	231	534
MCDUGALE,CHARLES	04	100	00010000	11100	001	533
MINOR,RUFAS	05	200	00010000	01100	220	534
MOE,ABRAHAM	02	000	00010000	00100	000	534
MOE,DAVID	11	042	20000000	22001	242	534
MOULTON,CALVIN	11	132	20000100	21001	242	534
MOULTON,CALVIN JR.	03	100	00010000	10100	001	534
MOULTON,ELI	09	330	00010000	30110	333	535
MOULTON,JAMES	08	231	00000100	20100	342	533
MOULTON,OREN	05	210	00010000	10100	221	534
NICHOLS,JOHN A.	03	001	00100000	01000	010	534
NICHOLS,LEVI	06	310	00010000	20100	222	534
NICHOLS,MOSES	04	100	00000001	01001	110	534
OAKS,THOMAS	02	000	00000100	00100	000	535
PARKER,AARON	05	100	01000001	00101	110	534
PARKER,AARON JR.	02	000	00010000	00100	000	533
PARKER,DAVID A.	04	200	00010000	10100	111	534
PARKER,NATHAN	13	411	40110000	21100	333	533
PARKS,JAMES	08	330	00000100	30100	333	533
PATTERSON,HENERY	05	010	10000010	01010	110	533
PEASE,ANTHONY	07	220	10000100	20100	222	535
PEASE,SAMUEL	11	242	10000100	21100	453	535
POWELL,ELIJAH	09	231	00000200	10100	451	534
READ,PATRICK	06	310	00010000	40100	004	534
RICHARDSON,WYMAN	07	140	00000100	10100	441	535
ROLFE,BENJAMIN	03	100	00010000	00100	110	534
SHORE,WILLIAM	04	200	00010000	10100	111	533
SMITH,ASAPH	03	000	20000000	00010	000	533
SMITH,RICHARD	01	000	00000100	00000	000	534
SPAFFORD,TYLER	10	421	00000100	01100	670	535
STONE,ISAAC	10	222	00010100	33100	115	533
STONE,PHINAAS	08	230	10000100	30100	223	535
TAYLOR,ARCHALUS	08	232	00010000	22000	334	534
TELLON,WILLIAM B.	22	454	00010100	83311	149	533
TERRILL,JOSEPH H.	12	340	10100100	21100	552	534

TERRILL, SAMUEL L.	06	210	10010000	10100	221	534
THOMPSON, JOHN	03	010	00010000	10100	001	534
WALKER, WILLIAM	10	440	00010000	30100	553	534
WARD, FELIX	06	001	10200100	01001	001	534
WARD, JOSEPH	04	000	10000100	01001	000	535
WARD, PHINEAS	03	000	00000100	01100	000	535
WARD, ZEPHENIAH	12	322	00110000	32111	225	534
WARNER, ELAM	12	332	00100100	31100	353	535
WARNER, JOSEPH	03	000	11000000	00100	000	535
WEBSTER, HORACE	09	301	00010001	21111	113	533
WIER, ARCHIBALD	07	131	00010000	11100	332	534
WILLCOX, JOHN	05	010	00100001	00011	110	534
WOOD, GEORGE	07	230	00000100	40100	114	534
WOODWORTH, WILLIAM	07	111	10000100	21001	012	533
WRIGHT, JASON	04	021	00000100	00000	230	534
WRIGHT, PRUDENCE	03	002	00000000	02100	002	533

HOUSEHOLD LISTINGS WITH CENSUS ERRORS UNCORRECTED

BALL, SAMUEL	04	010	00100100	01001	000	534
ELIOTT, EZEKIEL	08	000	00100100	41001	000	535
GORDON, THOMAS	06	210	00010000	00100	000	534
HANCOCK, BETSEY	04	110	00000000	11000	000	533
HANDLEY, JAMES	05	100	00010000	00101	000	534
HASKELL, BENJAMIN	08	030	00000100	21110	000	533
HIBBARD, PLENY T.	14	340	00310000	53100	000	534
HINDMAN, CARY	04	200	00010000	01100	000	534
HOSAN, JAMES	04	111	00010000	11100	000	534
HYATT, ABRAHAM	09	112	10000100	31001	000	534
PATTERSON, HENERY	04	010	10000010	01010	000	533
TELLON, WILLIAM B.	22	450	00010100	83311	000	533
WARD, ZEPHENIAH	09	320	00110000	32111	000	534

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