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CITY DOCUMENT, No. 6.

EIGHTH ANNUAL REPORT

ON THE

BIRTHS, MARRIAGES AND DEATHS

IN THE

CITY OF PROVIDENCE:

FOR THE YEAR 1862.

BY

EDWIN M. SNOW, M. D.,

SUPERINTENDENT OF HEALTH AND CITY REGISTRAR.



PROVIDENCE:

KNOWLES, ANTHONY & CO., CITY PRINTERS.

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CITY OF PROVIDENCE.

IN CITY COUNCIL March 9, 1863.

The Eighth Annual Report of the CITY REGISTRAR is presented and read;
Whereupon it is

Resolved, That the same be received, and that seven hundred and fifty copies thereof, and of the communication accompanying the same, be printed in pamphlet form for the use of the City Council.

Witness:

SAMUEL W. BROWN, CITY CLERK.

INTRODUCTION.

To the City Council of the City of Providence :

GENTLEMEN :—In accordance with the requirements of the City Ordinances, the City Registrar's "Eighth Annual Report on the Births, Marriages, and Deaths in Providence, for the year 1862," is herewith presented.

The report contains statistical tables similar to those in previous reports, with such additions and recapitulations as have seemed important to illustrate the subject.

During the year 1862, there were in Providence, 1529 births, 914 deaths, and 547 marriages. Compared with the previous year, the number of births was 196 less; the number of deaths, 137 less; and the number of marriages, precisely the same. Compared with the population, there was in 1862, one birth in 33.1; one death in 55.4; and one person married in 46.3.

During the past eight years, I have recorded the birth, marriage, or death, of 30,663 persons in Providence, a number considerably greater than half the population of the city. These have been divided as follows: children born, 13,182; persons died, 7,683; persons married, 9,618.

An exact copy of all these records is deposited in the Office of the Secretary of State, so that there is a double security that they will be preserved. It may be safely asserted that both in the aggregate, and as to particulars, these records are more complete and correct than in any other city in this country.

The facts contained in them have now become so numerous as to possess a positive value in illustrating the general principles which govern the vital statistics of the city; and it is my intention, before printing this report, to add a series of statements, in familiar language, without tables, and containing a general analysis and summary of the results obtained from the registration of births, marriages, and deaths in Providence, during the last eight years.

Respectfully submitted,

EDWIN M. SNOW, M. D.,
Supt. of Health and City Registrar.

Providence, March 9th, 1863.

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CITY REGISTRAR'S REPORT.

1862.

BIRTHS.

The following table shows the number of children, the number of each sex, and the number of colored children born in each ward of the city of Providence, in each month of the year 1862.

TABLE I. BIRTHS, 1862. *Wards, months, sex, and color.*

1862.	WARDS.							Whole number.			Colored children included in the preceding.		
	I.	II.	III.	IV.	V.	VI.	VII.	M.	F.	Month. Totals.	M.	F.	Totals.
January	41	15	25	12	23	28	29	91	82	173	2	2	4
February.....	26	6	25	5	15	28	17	71	51	122	2	5	7
March	29	13	30	14	21	22	22	85	66	151	2	3	5
Total, 1st quarter	96	34	80	31	59	78	68	247	199	446	6	10	16
April.....	27	3	25	7	12	22	24	57	63	120	3	1	4
May.....	26	9	16	7	11	24	23	66	50	116	4	3	7
June	32	9	32	4	27	24	21	70	79	149	2	4	6
Total, 2d quarter	85	21	73	18	50	70	68	193	192	385	9	8	17
July.....	25	3	11	7	15	14	13	46	42	88	1	2	3
August.....	22	4	20	9	21	21	18	54	61	115	2	9	11
September.....	38	7	23	7	15	20	18	62	66	128	2	2	4
Total, 3d quarter	85	14	54	23	51	55	49	162	169	331	5	13	18
October	32	3	17	8	24	23	15	68	54	122	0	1	1
November.....	31	9	23	8	19	13	13	61	55	116	2	1	3
December	27	6	21	11	17	32	15	60	69	129	4	2	6
Total, 4th quarter	90	18	61	27	60	68	43	189	178	367	6	4	10
Whole Year.....	356	87	268	99	220	271	228	791	738	1529	26	35	61

The number of children born in Providence, in 1862, was 1,529, or 196 less than in 1861. The number was less in every ward, less in every quarter of the year, and less in every month except March and June. The number of males was 145 less, and of females 51 less. The whole number of births, in 1862, was less than in any year since 1854.

This decrease in the number of births was anticipated as one of the inevitable results of war, and its cause is obviously, the absence of so large a portion of the population in the army.

Season. There were 446 births in the first quarter of the year ; 385 in the second quarter ; 331 in the third ; and 367 in the fourth ;—during the first six months, 831 ; second six months, 698. The largest number of births in any month was 173 in January ;—the smallest number, 88, in July. The month in which the largest number of births occurred, in each of the last seven years, was as follows, beginning with 1856 : May, March, December, July, November, February, January ;—a different month for each year.

In the aggregate of 11,582 births in Providence, during the seven years, 1856 to 1862 inclusive, the number in each quarter of the year was as follows :—

First quarter, 2,984 ; second quarter, 2,913 ; first six months, 5,897.

Third quarter, 2,832 ; fourth quarter, 2,853 ; second six months, 5,685.

These figures show the largest number of births in the first quarter of the year, the smallest number in the third quarter, and more in the first six months than in the second. These facts are contrary to the rule in other places. The aggregate of more than 300,000 births in Massachusetts shows a large excess of births in the last half of the year.

The following table shows the number and sex of the children born in each ward of the city, during each quarter of the year 1862.

TABLE II. BIRTHS, 1862. *Wards, sex, season.*

WARDS.	1st Quarter.			2d Quarter.			3d Quarter.			4th Quarter.			Whole Year.		
	M.	F.	Total.	M.	F.	Total.	M.	F.	Total.	M.	F.	Total.	M.	F.	Total.
I.....	58	38	96	37	48	85	44	41	85	37	53	90	176	180	356
II.....	18	16	34	12	9	21	7	7	14	10	8	18	47	40	87
III.....	43	37	80	41	32	73	30	24	54	28	33	61	142	126	268
IV.....	16	15	31	6	12	18	9	14	23	13	14	27	44	55	99
V.....	39	20	59	26	24	50	21	30	51	38	22	60	124	96	220
VI.....	38	40	78	36	34	70	28	27	55	38	30	68	140	131	271
VII.....	35	33	68	35	33	68	23	26	49	25	18	43	118	110	228
Whole City..	217	199	446	193	192	385	162	169	331	189	178	367	791	738	1529

Proportion of the sexes. There were 791 male, and 738 female children born in Providence, in 1862; or 107.2 males to each 100 females, which is very nearly the average proportion for nine years past. There were more females than males born in the first and fourth wards; and more males than females in the other wards. There were more females than males born in April, June, August, September, and December; and more males than females in the other months.

The proportion of the sexes born in each quarter of the year 1862, was as follows:

January—March....124.1 males to each 100 females.

April—June.....100.5 males to each 100 females.

July—September.... 95.8 males to each 100 females.

October—December.106.2 males to each 100 females.

Whole Year.....107.2 males to each 100 females.

During the seven years, 1856 to 1862, inclusive, the proportion of the sexes born in Providence, in each quarter of the year, has been as follows, as shown by the aggregate of the births:

January—March....1,586 males, 1,398 females, or 113.4 males to 100 females.

April—June.....1,518 males, 1,395 females, or 108.8 males to 100 females.

July—September...1,429 males, 1,403 females, or 101.8 males to 100 females.

October—December.1,481 males, 1,372 females, or 107.9 males to 100 females.

Seven years total....6,014 males, 5,568 females, or 108.0 males to 100 females.

During the nine years, 1854 to 1862 inclusive, the whole number of births in Providence was 14,551; males, 7,532; females, 7,019. The proportion for the whole time was 107.3 males to each 100 females; or 51.76 males, and 48.24 females in each 100 born.

The proportion for each of the nine years was as follows:

1854, 107.9 to 100; or 51.91 and 48.09 in each 100 born.

1855, 101.7 to 100; or 50.44 and 49.56 in each 100 born.

1856, 113.6 to 100; or 53.19 and 46.81 in each 100 born.

1857, 106.8 to 100; or 51.66 and 48.34 in each 100 born.

1858, 106.7 to 100; or 51.62 and 48.38 in each 100 born.

1859, 107.4 to 100; or 51.79 and 48.21 in each 100 born.

1860, 96.4 to 100; or 49.09 and 50.91 in each 100 born.

1861, 118.6 to 100; or 54.26 and 45.74 in each 100 born.

1862, 107.2 to 100; or 51.73 and 48.27 in each 100 born.

Colored Children. There were 61 colored children born in Providence in 1862, a larger number than in any previous year. Of this

number, 26 were males, and 35 females. During the same year there were only 34 deaths among the colored population; the proportion of deaths being less, and of births greater, than in any preceding year. During eight years, 1855-1862, there were 378 births, and 420 deaths among the colored population of Providence.

PARENTAGE.

The next table shows the parentage of the children born in each ward of the city of Providence, during the year 1862, and the percentage of the different classes.

Where both parents were of foreign birth, but of different nations, the parentage of the child is given according to the birth place of the father.

TABLE III. BIRTHS, 1862. *Parentage and Wards.*

PARENTAGE.	WARDS.							Whole City.	In each 100 born there were.
	I.	II.	III.	IV.	V.	VI.	VII.		
American.....	114	48	83	52	60	139	93	589	38.52
Irish.....	164	23	134	22	112	87	93	635	41.53
English and Scotch.....	30	3	14	5	14	13	13	92	6.02
German.....	6	6	4	3	6	13	9	47	3.07
Other Foreign.....	4	1	10	2	2	2	4	25	1.64
Total Foreign.....	204	33	162	32	134	115	119	799	52.26
Am. father and For. mother.	18	3	13	8	14	12	6	74	4.84
For. father and Am. mother.	20	3	10	7	12	5	10	67	4.38
Whole Number.....	356	87	268	99	220	271	228	1529	100.00

Austrian, Bavarian, and Prussian are included with the German.

The proportions of children of American, foreign, and mixed parentage, during the last seven years, have been as follows:

Parentage.	1856	1857.	1858.	1859.	1860.	1861.	1862.
American.....	42.09....	38.51....	41.30....	37.60....	40.11....	37.91....	38.52
Foreign.....	51.17....	55.51....	51.39....	55.69....	52.00....	53.10....	52.26
Mixed.....	6.74....	5.98....	7.31....	6.71....	7.89 ...	8.99....	9.22

In every year the children of foreign parents comprise more than half of the whole number, while the number of children of "mixed," i. e. of American and foreign parents, is increasing from year to year.

During eight years, 1855 to 1862 inclusive, 13,182 children were born in the city, divided according to parentage, as follows :

American parentage....5209 children, or 39.51 in each 100 born.

Foreign parentage.....6994 children, or 53.06 in each 100 born.

Mixed parentage..... 979 children, or 7.43 in each 100 born.

Whole number.13,182

100.00

The next table shows more exactly the mixture of different nationalities, among the 1529 children born in Providence, during the year 1862 :

TABLE IV. BIRTHS 1862. *Parentage.*

BIRTH PLACE OF FATHERS.	BIRTH PLACE OF MOTHERS.						Whole number of Fathers.
	United States.	Ireland.	England and Scotland.	Germany.	British America.	Other Foreign.	
United States.....	589	35	17	..	15	7	663
Ireland.....	32	614	11	..	9	1	667
England & Scotl'nd	18	25	56	..	11	..	110
Germany.....	6	7	3	35	..	2	53
British America..	7	4	2	..	5	..	18
Other Foreign....	4	4	..	1	1	8	18
Whole No. Mothers	656	689	89	36	41	18	1529

The parents of 222 children, or more than one-seventh of the whole number, were natives of different countries.

It is interesting to notice the mixture of different nationalities which is going on and increasing from year to year, and the results, moral, social, and political would afford interesting themes for speculation.

NUMBER OF THE CHILD.

The following table shows the number of the child of the same mother, of the children born in the city in 1862, and also of all the children born during eight years, 1855 to 1862 inclusive :—

TABLE V. BIRTHS, 1862. *Number of the child.*

NUMBER OF CHILD.	1862.	EIG YEARS. 1855-1862	NUMBER OF CHILD.	1862.	EIGHT YEARS. 1855-1862
<i>First</i> child of the mother	362	3086	<i>Eleventh</i> child of the mother	7	64
<i>Second</i> " " "	299	2728	<i>Twelfth</i> " " "	9	46
<i>Third</i> " " "	258	2225	<i>Thirteenth</i> " " "	1	16
<i>Fourth</i> " " "	186	1695	<i>Fourteenth</i> " " "	3	9
<i>Fifth</i> " " "	146	1165	<i>Fifteenth</i> " " "	1	5
<i>Sixth</i> " " "	97	829	<i>Seventeenth</i> " " "	1	5
<i>Seventh</i> " " "	71	568	<i>Nineteenth</i> " " "	..	1
<i>Eighth</i> " " "	51	348			
<i>Ninth</i> " " "	15	240	Whole number of children.	1529	13,182
<i>Tenth</i> " " "	22	152			

A simple arithmetical calculation shows that the 1529 mothers represented in the preceding table, for the year 1862, were the mothers of 5,322 children, which gives an average of 3.48 children to each mother, or about seven children to every two mothers. The mothers of twins are necessarily counted twice. The average for each of the last eight years, has been as follows :—

1855, average 3.25 children to each mother.
 1856, average 3.32 children to each mother.
 1857, average 3.40 children to each mother.
 1858, average 3.30 children to each mother.
 1859, average 3.52 children to each mother.
 1860, average 3.54 children to each mother.
 1861, average 3.49 children to each mother.
 1862, average 3.48 children to each mother.

TWIN BIRTHS.

There were 15 cases of twin births in Providence, in 1862, and one case of triplets. In the year previous, there were 30 plurality cases. Of the whole number of cases in 1862, there were in the first ward, 2 ; second ward, 0 ; third, 2 ; fourth, 1 ; fifth, 2 ; sixth, 4 ; seventh, 5 ; total, 16.

The number in the different months of the year, was : January, July, August, and December, 2 each ; June, 3 ; February, March, April, September, and October, one each ; May, and November, none ; total, 16.

The sex of the children, was : in three cases, both males ; in 7 cases, both females ; in five cases, one child of each sex ; and in the case of triplets, all females ; total, 11 males, 22 females..

Color. All were white children.

The number of the children of the same mother was as follows : first and second children, 6 cases ; second and third children, 2 cases ; fifth and sixth, 2 cases ; sixth and seventh, 2 cases ; seventh and eighth, eighth and ninth, ninth and tenth, each one case ; and the triplets were the ninth, tenth, and eleventh children of the mother.

Parentage. In 5 cases, both parents were born in the United States ; in 6 cases, both were born in Ireland ; in one case, the father was Scotch and the mother British American ; in one case, father Irish and mother American ; in one case, father English and mother American ; and in one case, father Irish and mother British American. In the case of triplets, both parents were of Irish birth.

EIGHT YEARS SUMMARY OF TWIN BIRTHS.

During eight years, 1855 to 1862 inclusive, there were in Providence, 155 cases of twin births, and 4 cases of triplets. Of the twin children born, in 47 cases both were males ; in 53 cases both were females ; and in 55 cases, there was one child of each sex ; total, 149 males, 161 females. Of the triplets, in one case all were males ; in three cases, all were females. Total of plurality cases, 152 males, 170 females ; total, 322.

In 52 cases of twin births, both parents were Americans ; in 75 cases, both were Irish ; in 10 cases, both were English ; in 5, both German ; in 3, other foreign ; and in 10 cases, the parentage was mixed : *i. e.* American and foreign. In the 4 triplet cases, the mothers were all Irish ; in two of these the fathers were Irish ; in one, father English, and in one, father Scotch.

Of the whole number of twin births, in 5 cases the parents were colored.

During the whole period of eight years, there were in the city 12,860 cases of single birth ; 155 twin cases ; and 4 triplet cases ; total, 13,019 cases, with 13,182 children. It results that of all the cases in eight years, in one case in 84.6, twins were born ; and in one in 3,255, triplets.

The results for eight years, *according to parentage*, are as follows, including the triplets:

American parentage...5,157 cases; 52 plurality cases, or one in 99.1

Foreign parentage....6,893 cases; 97 plurality cases, or one in 71.0

Mixed parentage.... 969 cases; 10 plurality cases, or one in 96.9

Total.....13,019 cases; 159 plurality cases, or one in 81.9

MARRIAGES.

The following table shows the number of marriages in Providence, during each month of each of the last eight years, 1855 to 1862 inclusive, with the average for each month:

TABLE VI. MARRIAGES, 1862. *Season.*

MONTH.	1862.	1861.	1860.	1859.	1858.	1857.	1856.	1855.	Monthly Totals.	Average.
January.....	48...	60...	72...	52...	49...	53...	52...	49...	435.....	54
February.....	41...	33...	57...	32...	53...	41...	45...	39...	341.....	43
March.....	34...	23...	27...	48...	26...	30...	27...	24...	239.....	30
April.....	33...	77...	62...	46...	35...	50...	53...	60...	416.....	52
May..	52...	53...	50...	50...	45...	58...	72...	53...	433.....	54
June.....	48...	60...	51...	54...	41...	47...	66...	48...	415.....	52
July.....	34...	34...	46...	44...	46...	49...	35...	57...	345.....	43
August.....	30...	39...	30...	48...	36...	49...	36...	47...	315.....	39
September.....	74...	35...	53...	59...	52...	59...	62...	54...	448.....	56
October.....	51...	47...	63...	64...	60...	65...	76...	81...	507.....	63
November.....	60...	46...	67...	61...	71...	65...	69...	68...	507.....	63
December....	42...	40...	42...	53...	46...	48...	55...	53...	379.....	47
Month not given.....							8...	3...	11.....	
Whole number..	547...	547...	620...	611...	560...	614...	656...	636...	4791.....	599

The number of marriages (547), in 1862, was precisely the same as in 1861; but considerably less than in the preceding years. The com-

paratively small number still shows the effects of our national troubles, though the number in the different months of the year 1862 was more nearly in accordance with the general rule than in the previous year.

The order of the months, in relation to the number of marriages, in 1862, 1861, and in the aggregate for eight years, 1855 to 1862, was as follows; the month in which the greatest number of marriages occurred being placed first:

	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.
1862.....	Sept.	Nov.	May.	Oct.	Jan.	June.	Dec.	Feb.	Mar.	July.	April.	Aug.
1861.....	Apr.	Jan.	June.	May.	Oct.	Nov.	Dec.	Aug.	Sept.	July.	Feb.	Mar.
Eight yrs.	Oct.	Nov.	Sept.	Jan.	May.	April.	June.	Dec.	July.	Feb.	Aug.	Mar.

The number and percentage of marriages, in each quarter of the year 1862, and in the aggregate for eight years, 1855 to 1862 inclusive, were as follows; omitting, in the aggregate, eleven marriages in which the month was not given:

	1862.		1855 to 1862 INCLUSIVE.	
	Marriages.	Percent.	Marriages.	Percent.
January—March.....	123	22.49	1,015	21.24
April—June.....	133	24.31	1,264	26.44
July—September....	138	25.23	1,108	23.18
October—December....	153	27.97	1,393	29.14
Total.....	547	100.00	4,780	100.00

The nativity of each couple married in Providence, in 1862, is shown in the following table:

TABLE VII. MARRIAGES, 1862. *Nativity of the parties.*

BIRTH PLACE OF GROOMS.	BIRTH PLACE OF BRIDES.						Whole number Grooms.
	United States.	Ireland.	England and Scotland.	Germany.	British America.	Other Foreign.	
United States.....	288	20	20	..	10	..	338
Ireland.....	7	122	..	..	2	..	131
England & Scotl'nd	13	6	16	..	4	..	39
Germany.....	3	3	..	11	..	1	18
British America..	2	2	..	..	1	..	5
Other Countries..	5	4	..	1	2	4	16
Whole No. Brides	318	157	36	12	19	5	547

Of 318 females born in the United States, who were married in Providence during the year 1862, 288 married American Grooms; 7

married, Irishmen, 13 married Englishmen, 3 married Germans, 2 married British Americans, and 5 married natives of other foreign countries. In 105 of the marriages in 1862 the parties were natives of different countries.

The proportions of American, foreign, and mixed marriages in Providence, during the last eight years, were as follows.

	American.	Foreign.	Mixed.
1855....	48.73 per cent.;	41.93 per cent.;	9.34 per cent.
1856....	54.74 per cent.;	32.97 per cent.;	12.29 per cent.
1857....	62.54 per cent.;	28.50 per cent.;	8.96 per cent.
1858....	50.54 per cent.;	38.21 per cent.;	11.25 per cent.
1859....	54.50 per cent.;	36.66 per cent.;	8.84 per cent.
1860....	54.19 per cent.;	36.29 per cent.;	9.52 per cent.
1861....	55.58 per cent.;	33.27 per cent.;	11.15 per cent.
1862....	52.65 per cent.;	32.72 per cent.;	14.63 per cent.

By "mixed" marriages is understood marriages of Americans with foreigners. Where both parties are foreigners, though natives of different countries, they are included with the "foreign."

The next table gives the ages of the parties in each of the marriages in Providence, in 1862, with the proportion of grooms and brides in each division of ages:

TABLE VIII. MARRIAGES, 1862. *Ages of the parties.*

AGES OF THE GROOMS.	AGES OF THE BRIDES.							Percentages of Grooms at each age.
	Under 20.	20 to 25.	25 to 30.	30 to 40.	40 to 50.	50 to 60.	Whole No. of Grooms.	
Under 20 years.....	7	6	..	1	..	..	14	2.56
20 to 25 years.....	68	102	19	1	..	..	190	34.74
25 to 30 years.....	18	87	45	10	1	..	161	29.43
30 to 40 years.....	8	32	38	38	3	..	119	21.75
40 to 50 years.....	..	1	8	20	8	1	38	6.95
50 to 60 years.....	..	1	2	10	6	1	20	3.66
60 to 70 years.....	..	..	..	..	4	1	5	.91
Whole No. of brides.	101	229	112	80	22	3	547	100.00
Percentages of brides	18.47	41.87	20.48	14.63	4.00	.55	100.00	

Comparing the preceding table with a similar table for the year 1861, it seems that the proportions of both grooms and brides, over 30 years of age, were much greater in 1862 than in 1861.

The aggregate and average age of the parties married in Providence, in 1862, was as follows :

547 males, aggregate age, 15,773 years; average age, 28.83 years.

547 females, aggregate age, 13,565 years; average age, 24.80 years.

The average age of the males was .59 of a year, and of the females 2.47 years greater in 1862 than in 1861.

The average age of the parties married, during the last seven years, was as follows :

	Average age.	Average age.
1856	males, 28.3 years;	females, 24.4 years.
1857.	males, 27.6 years;	females, 23.8 years.
1858.	males, 28.3 years;	females, 24.5 years.
1859.	males, 27.8 years;	females, 23.9 years.
1860.	males, 27.6 years;	females, 23 6 years.
1861.	males, 28.2 years;	females, 22.3 years.
1862.	males, 28.8 years;	females, 24.8 years.

The average age of both males and females was greater in 1862, than in any previous year.

The number of the marriage of both parties in each of the 547 marriages, in Providence, in 1862, is shown in the following table :

TABLE IX. MARRIAGES, 1862. *Number of times married.*

GROOMS.	BRIDES. <i>Number of the marriage.</i>			Whole number of Grooms.
	First.	Second.	Third.	
First marriage.	408	32	..	440
Second marriage.	58	31	2	91
Third marriage.	7	8	..	15
Fourth marriage.	1	..	..	1
Whole number of Brides.	474	71	2	547

The proportion of first marriages was less than in previous years :— 440 grooms, and 474 brides were married the first time. One marriage was the fourth of the groom and first of the bride.

Marriage and Education. The laws of Rhode Island require the certificate giving information in relation to the candidates for marriage to be filled out, and signed by the parties themselves, and given to the clergyman *before* the marriage can be legally solemnized. The clergyman has no right to proceed with the ceremony until he has received this certificate thus signed by the parties.

The whole number of persons married in Providence, in 1862, was 1094, as follows: Born in the United States, 338 males, 318 females; total 656. Born in foreign countries, 209 males, 229 females; total 438.

The number who signed the marriage certificate with a mark, was as follows:

1862.	Whole number.	Signed with a mark.	In each 100
Males born in the United States.....	338.....	9.....	2.66
Females born in the United States.....	318.....	22.....	6.91
Total born in the United States.....	656.....	31.....	4.72
Males born in foreign countries.....	209.....	101.....	48.32
Females born in foreign countries.....	229.....	127.....	55.46
Total born in foreign countries.....	438.....	228.....	52.05

Of those of American birth who signed with a mark, 8 were colored, and 10 were children of foreign parents; total 18, or more than half.

The aggregate of the statistics on this subject in Providence, for four years, 1859 to 1862 inclusive, gives the following results:

1859-1862.	Whole No. married.	Signed with a mark.	In each 100.
Males of American birth.....	1404.....	40.....	2.85
Females of American birth.....	1372.....	68.....	4.95
Total of American birth.....	2776.....	108.....	3.89
Males of foreign birth.....	921.....	400.....	43.43
Females of foreign birth.....	953.....	561.....	58.86
Total of foreign birth.....	1874.....	961.....	51.28

Marriages of colored persons. There were only 12 marriages in Providence, in 1862, in which the parties were colored; this gives one person married in 63.8 of the colored population.

Of these 12 marriages, one was the first of the groom and second of the bride 2 were the second of the groom and first of the bride; and 9 were the first marriage of both parties.

The average age of the colored persons married in 1862 was as follows: males, 27.75 years; females, 25.75 years.

Denominational. The number of marriages in Providence, in 1862, by clergymen of different religious denominations, was as follows:

Roman Catholic.....	156	Second Advent.....	7
Calvinistic Baptist.....	77	Bethel Pastors.....	7
Free Will Baptist.....	42	Lutheran.....	6
Methodist.....	59	Presbyterian.....	2
Congregationalist.....	58	Hebrew Priest.....	1
Episcopalian.....	52	Justice Supreme Court.....	1
Unitarian.....	36		—
Universalist.....	36	Whole number.....	547
Christian.....	7		

Of the 547 marriages in Providence, in 1862, in 16 cases only, were both parties born in Providence; in 45 cases, the groom was born in Providence and the bride elsewhere; and in 75 cases, the bride was born in Providence and the groom elsewhere. It seems, then, that of the 1094 persons married in Providence, during the year, only 151, or 14.35 per cent. of the whole number, were natives of the city.

In 66 marriages, both parties lived out of the State.

DEATHS.

The number of deaths in Providence, in 1862, was 914, which number was 137 *less* than in 1861, and 79 less than the average for seven years previous, 1855 to 1861 inclusive.

The number in 1862, was less than the average, in every month except August, September, November, and December; less in every quarter of the year except the last; and less in every ward except the fourth.

It is difficult to estimate the population of the city on account of the absence of a considerable portion in the army, and other causes; but I have good reasons for believing that the resident population is as large, and probably larger, than in 1860. Assuming the resident population to be 50,666, the same as in 1860, we have the following statistics of deaths for the year 1862.

Total population.....	one death in 55.4.
White population.....	one death in 55.8.
Colored population.....	one death in 45.2.
Male population.....	one death in 53.1.
Female population.....	one death in 57.7.
In Ward I.....	one death in 58.6.
In Ward II.....	one death in 98.4.
In Ward III.....	one death in 54.9.
In Ward IV.....	one death in 66.4.
In Ward V.....	one death in 50.3.
In Ward VI.....	one death in 58.9.
In Ward VII.....	one death in 47.0.
70 years of age and over,	one death in 9. 9.
One death in every 7.2 dwelling houses.	
One death in every 11.1 families.	
Population of American parentage,	one death in 63.0.
Population of foreign parentage,	one death in 47.8.

These figures compare favorably with those of other years, and of other cities.

The next table shows the sex, social condition, color, nativity, and parentage of all the decedents in Providence, in each month of the year 1862; also the number in each ward of the city, in each month.

DEATHS.

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TABLE X. DEATHS, 1862.

Sex, condition, color, nativity, parentage, locality, and season.

1862.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Whole Year.
Whole No. Deaths	72	60	65	56	74	62	61	109	101	73	94	87	914
<i>Sex—</i>													
Males.....	37	30	28	28	36	33	24	54	48	39	46	47	450
Females.....	35	30	37	28	38	29	37	55	53	34	48	40	464
<i>Condition—</i>													
Married.....	21	17	30	18	23	18	22	18	30	21	37	32	287
Single.....	45	35	25	30	36	37	29	74	64	46	46	42	509
Widows.....	5	5	7	5	11	5	8	11	4	4	6	9	80
Widowers.....	1	3	3	3	4	2	2	6	3	2	5	4	38
<i>Color—</i>													
Whites.....	71	57	64	54	71	58	60	101	99	71	90	81	880
Colored.....	1	3	1	2	3	4	1	8	2	2	4	3	34
<i>Nativity—</i>													
United States...	52	50	45	42	59	42	47	86	83	50	66	65	687
Ireland.....	18	8	17	13	12	18	11	18	16	19	21	19	196
Engl'nd & Scotl'd	0	2	3	1	2	2	3	5	1	3	5	2	29
Germany.....	0	0	0	0	0	0	0	0	0	0	0	1	1
Other countries.	2	0	0	0	1	0	0	0	1	1	2	0	7
<i>Parentage—</i>													
American.....	32	40	32	24	42	29	30	49	55	29	46	52	460
Irish.....	36	14	27	26	25	29	26	46	37	33	41	30	370
English & Scotch	2	5	4	2	2	4	4	10	8	7	6	3	57
German.....	0	0	1	1	2	0	1	2	1	3	0	1	12
Other foreign...	2	1	1	3	3	0	0	2	0	1	1	1	15
<i>Locality, Wards—</i>													
I.....	15	8	14	6	12	12	6	25	18	12	18	14	160
II.....	2	3	5	5	4	2	4	1	6	5	7	4	48
III.....	12	11	11	8	12	9	7	15	10	11	23	18	147
IV.....	6	5	6	3	7	5	2	10	9	4	7	7	71
V.....	10	9	9	13	13	11	16	19	20	13	10	9	152
VI.....	13	14	12	11	17	7	10	18	23	8	10	16	159
VII.....	13	8	5	8	6	12	14	17	14	16	15	16	144
Public Institutions	1	2	3	2	3	4	2	4	1	4	4	3	33
Totals.....	72	60	65	56	74	62	61	109	101	73	94	87	914

Season. The number of deaths in each quarter of each of the last eight years, and the annual average of each quarter for the whole period, has been as follows:

	1862.	1861.	1860.	1859.	1858.	1857.	1856.	1855.	Annual Average.
January—March....	197....	240....	243....	213....	279....	214....	308..	213....	238
April—June.....	192....	236....	209....	205....	278....	173....	244....	208....	218
July—September..	271....	336....	297....	270....	257....	286....	296....	339....	294
October—December	254....	239....	252....	211....	203....	252....	217....	231....	233
Whole year.....	914	1051	1001	899	1017	925	1065	991	983

It will be noticed that, in 1862, the number of deaths was remarkably small in each quarter of the year, except the last. In the fourth quarter the number of deaths was greater than in the corresponding quarter of any previous year. This increase of mortality has continued until the present time, March 1863.

The order of the months in relation to mortality, during the last eight years, 1855 to 1862 inclusive, is shown in the following table, the month in which the greatest mortality occurred being number one, and the month with the least mortality, number 12.

TABLE XI. DEATHS, 1855–1862. *Season.*

YEARS.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.
1855.....	Aug.	July.	Sept.	Nov.	Feb.	May.	Dec.	Oct.	Apr.	Mar.	Jan.	June.
1856.....	Aug.	Mar.	Jan.	Sept.	Feb.	Apr.	July.	May.	June.	Oct.	Nov.	Dec.
1857.....	Sept.	Aug.	Oct.	Nov.	July.	Mar.	Jan.	May.	Dec.	Feb.	Apr.	June.
1858.....	Apr.	Aug.	Jan.	Mar.	Feb.	Sept.	May.	June.	July.	Dec.	Nov.	Oct.
1859.....	Aug.	Sept.	Jan.	July.	Dec.	May.	Oct.	Nov.	Apr.	Feb.	June.	Mar.
1860.....	July.	Aug.	Oct.	Sept.	Jan.	Mar.	Apr.	Dec.	Nov.	Feb.	May.	June.
1861.....	Aug.	Sept.	July.	Mar.	Feb.	Oct.	Apr.	May.	Nov.	Dec.	June.	Jan.
1862.....	Aug.	Sept.	Nov.	Dec.	May.	Oct.	Jan.	Mar.	June.	July.	Feb.	Apr.
8 years total	Aug.	Sept.	July.	Jan.	Mar.	Nov.	Oct.	May.	Apr.	Feb.	Dec.	June.

This table shows great variations in the different years; but the aggregate shows correctly the relative order of mortality of the different months, for a series of years.

The number and percentage of deaths in each quarter of the year 1862, compared with the aggregate for seven years previous, 1855 to 1861 inclusive, were as follows :

	1862.		1855-1861.	
	Deaths.	Percent.	Deaths.	Percent.
January—March	197.....	21.55.....	1,710.....	24.60
April—June.....	192.....	21.01.....	1,553.....	22.35
July—September.....	271.....	29.65.....	2,081.....	29.96
October—December.....	254.....	27.79.....	1,605.....	23.09
Total.....	914.....	100.00.....	6,949.....	100.00

Sex. The decedents in Providence, in 1862, were 450 males, 464 females: According to parentage there were :

American parentage....216 males, 214 females.

Foreign parentage.....234 males, 220 females.

We have, in previous reports, noticed this difference between the American and foreign population. Among the decedents of American parentage, there are more females than males ; among those of foreign parentage there are more males than females.

In six of the last eight years, more females than males died in Providence, and in the aggregate for eight years there were, males, 3,883 ; females, 3,980 ; total, 7,863. But during the 23 years, 1840 to 1862 inclusive, the deaths were, males, 10,451 ; females, 10,385 ; total, 20,836.

Color. There were only 34 deaths among the colored population of Providence, in 1862 ; a less number than for several years previous. The births exceeded the deaths in number, in 1862, though during the whole eight years, 1855 to 1862, there were 420 deaths, and 378 births, among the colored population.

Nativity. In 1862, there were 687 decedents in Providence, who were born in the United States ; but 227 of these were children of foreign parents, leaving 460 of American parentage. There were 190 decedents, born in Ireland ; but there were also 180 children of Irish parents, making 370 of Irish parentage. There was only one decedent born in Germany ; but including this, there were 12 of German parentage. Among the decedents in table X., of "other foreign parentage," there were 5 British American, 3 Portuguese, 3 French, and and one each, West Indian, Swedish, Norwegian, and Italian.

Locality. The deaths in 1862, compared with those of 1861, in the several portions of the city, were as follows : first ward, 51 less ; second ward, 18 less ; third ward, 24 less ; fourth ward, 10 *more* ; fifth ward, 8 less ; sixth ward, 7 less ; seventh ward, 18 less ; in public institutions, 21 less. On the east side, 93 less ; on the west side, 23 less. In the whole city, including public institutions, 137 less.

In the first, third, fifth, and seventh wards, there were 244 decedents of American, and 359 of foreign parentage. In the second, fourth, and sixth wards, there were 201 of American, and 77 of foreign parentage. In public institutions, there were 15 of American, and 18 of foreign parentage.

Average age. The next table shows the aggregate and average age, according to parentage, of all who died in Providence, during each month of the year 1862.

TABLE XII. DEATHS, 1862.

Aggregate and average age, and parentage.

1862.	American Parentage.			Foreign Parentage.			Whole No. Am. & For.		
	Number of Deaths.	Aggregate age.	Average age.	Number of Deaths.	Aggregate age.	Average age.	Total Deaths in city.	Aggregate age.	Average age.
January.....	32	Years. 784	24.50	40	Years. 848	21.20	72	Years. 1,632	22.66
February.....	40	1,260	31.50	20	540	27.00	60	1,801	30.01
March.....	32	1,176	36.75	33	1,176	35.63	65	2,353	36.20
April.	24	820	34.16	32	746	23.31	56	1,566	27.96
May.....	42	1,471	35.02	32	804	25.12	74	2,275	30.74
June.....	29	1,072	36.96	33	900	27.27	62	1,972	31.80
July.....	30	927	30.90	31	682	22.00	61	1,608	26.36
August.....	49	1,433	29.24	60	1,187	19.78	109	2,620	24.03
September.....	55	1,427	25.76	46	837	18.19	101	2,264	22.41
October.....	29	763	26.34	44	915	20.79	73	1,679	23.00
November.....	46	1,581	34.37	48	1,362	28.37	94	2,943	31.30
December.....	52	1,875	36.05	35	997	28.48	87	2,872	33.01
Whole Year....	460	14,589	31.71	454	10,994	24.21	914	25,585	28.00

The average age of all who died of American parentage, in 1862, was 1.37 years greater than in 1861. The average age of the decedents of foreign parentage, in 1862, was 5.49 years greater than in 1861, and greater than in any previous year. The average age of all who died in the city, in 1862, was 3.33 years greater than in 1861, and greater than in any year previous.

The aggregate and average age of all who died in Providence, during the seven years, 1856 to 1862 inclusive, was as follows :

Parentage.	Deaths.	Aggregate age.	Average age.
American.....	3,565.....	109,347 years.....	30.67 years.
Foreign.....	3,307.....	63,733 years.....	19.27 years.
Whole number.....	6,872.....	173,080 years.....	25.18 years.

In nearly seven thousand deaths, in seven years, nearly equally divided in number, the average age of the decedents of American parentage is 11.40 years greater than that of the decedents of foreign parentage.

The average age of the decedents in any place, for any specified period, may be affected by various causes. Two important causes are, the average age of the living population, and the proportion of infantile mortality. Thus, in Providence, we find that every year the number of the decedents of foreign parentage is greatly less than that of the decedents of American parentage, and both the causes above named assist in explaining this difference. The average age of the living population of foreign parentage, is less than that of the American population; and the proportion of infantile mortality is much greater among the foreign than among the American population.

Percentage at different ages. Table XIII., on the next page, shows the percentages for all the divisions of ages, in 1862. The following is a condensed statement of the same facts, and illustrates the difference in the decedents according to parentage, *for the seven years, 1856-1862 inclusive.*

Ages.	1856-1862.		American Parentage.		Foreign Parentage.	
	Deaths.	Percent.	Deaths.	Percent.	Deaths.	Percent.
Under 5.....	1,192.....	33.44.....	1,679.....	30.77		
5 to 20.....	394.....	11.05.....	275.....	8.31		
20 to 50.....	975.....	27.35.....	908.....	27.46		
50 to 70.....	516.....	14.47.....	319.....	9.65		
70 and over.....	488.....	13.69.....	126.....	3.81		
7 years.....	3,565	100.00	3,307	100.00		

The following table shows more particularly the percentage, *according to parentage*, in the different divisions of ages, of the decedents in Providence, in 1862; and also of all the decedents for seven years, 1856 to 1862 inclusive:

TABLE XIII. DEATHS, 1862.

Percentage, according to parentage, at different ages.

AGES.	American Parentage. 1862.		Foreign Parentage. 1862.		Total Amer. and For. 1862.		Total Deaths and percentage for seven years, 1856 to 1862 inclusive.	
	Number of deaths.	Percentage in each division of age.	Number of deaths.	Percentage in each division of age.	Total deaths.	Percentage in each division of age.		
Under 1 year.....	75	16.30	91	20.05	166	18.16	1435	20.88
1 and under 2.....	34	7.39	50	11.01	84	9.19	749	10.90
2 and under 5.....	34	7.39	50	11.01	84	9.19	687	10.00
Total under 5.....	143	31.08	191	42.07	334	36.54	2871	41.78
5 and under 10.....	21	5.22	10	2.20	31	3.72	320	4.66
10 and under 15.	10	2.17	4	.88	14	1.53	121	1.76
15 and under 20.....	20	4.35	15	3.30	35	3.83	228	3.32
20 and under 30.	44	9.57	46	10.13	90	9.85	656	9.55
30 and under 40.....	52	11.30	63	13.88	115	12.58	701	10.20
40 and under 50.....	36	7.83	47	10.35	83	9.08	526	7.65
50 and under 60.....	28	6.09	34	7.49	62	6.78	439	6.29
60 and under 70.....	37	8.01	18	3.97	55	6.02	306	5.76
70 and under 80.....	34	7.39	17	3.75	51	5.58	365	5.31
80 and under 90	24	5.22	8	1.76	32	3.50	200	2.91
90 and over.....	8	1.74	1	.22	9	.99	49	.71
Totals.....	460	100.00	454	100.00	914	100.00	6872	100.00

The year 1862 shows differences in relation to parentage, similar to those of past years. Thus, of all the decedents, in 1862, of American parentage, 31 in each 100 were under 5 years, while of those of foreign parentage, 42 in each 100 were under 5 years.

Infantile Mortality. Only 36.54 in each 100 of the decedents in Providence, in 1862, were under 5 years of age. This proportion is less than in any previous year in the history of registration in Providence, and we are confident is unprecedented in the mortality of any city of equal or larger size, in this country. The percentage under five years being smaller, of course the percentages at other periods are larger.

The following shows the proportion of the decedents under 5 years of age, of the American, foreign, and total population, in each of the seven years, 1856 to 1862 inclusive.

	American. Under 5 years.	Foreign. Under 5 years.	Total Am. and For. Under 5 years.
1856.....	37.15 per cent.....	54.95 per cent.....	45.91 per cent.
1857.....	32.31 per cent.....	51.74 per cent.....	40.75 per cent.
1858.....	35.35 per cent.....	55.44 per cent.....	45.33 per cent.
1859.....	28.60 per cent.....	48.34 per cent.....	37.82 per cent.
1860.....	32.81 per cent.....	48.57 per cent.....	40.66 per cent.
1861.....	35.87 per cent.....	52.63 per cent.....	44.05 per cent.
1862.....	31.08 per cent.....	42.07 per cent.....	36.54 per cent.

During 23 years, 1840 to 1862 inclusive, there were 20,011 deaths in Providence, with the following proportions:

Whole number of deaths.....	20,011.
Under one year.....	3940, or 19.69 in each 100.
One and under two.....	2532, or 12.65 in each 100.
Two and under five.....	2134, or 10.66 in each 100.
Total under five years.....	8606, or 43.00 in each 100.

The next table (XIV) shows the causes of the deaths in Providence, in 1862; also the number of each sex, the number in each division of ages, and the number of American and of foreign parentage, from each cause. It also shows the proportion of deaths from each cause, to the whole number from causes which were known.

TABLE XIV. DEATHS, 1862. *Disease, sex, age, parentage, and ratio from each cause.*

CAUSES OF DEATH.	SEX.		DIVISIONAL PERIODS OF LIFE.														PARENTAGE.			Ratio of deaths from each cause to whole number from known causes.	
	Males.	Females.	Total.	Under one year.	1 and under 2.	2 and under 5.	5 and under 10.	10 and under 15.	15 and under 20.	20 and under 30.	30 and under 40.	40 and under 50.	50 and under 60.	60 and under 70.	70 and under 80.	80 and under 90.	90 and over.	American.	Foreign.		Whole number.
Accidents, (various).....	7	3	10	1	1	2	1	1	1	1	4	1	1	1	1	1	1	3	7	10	1.13
“ Burns & Scalds ...	5	3	8	...	2	5	...	...	...	1	...	...	...	...	...	...	...	3	5	8	.90
“ Drowning.....	1	2	3	...	...	1	...	...	...	1	...	...	1	...	...	...	...	...	3	3	.34
“ Falls.....	3	1	4	...	...	1	...	...	...	1	...	1	...	...	1	...	...	2	2	4	.45
“ Poisoning.....	1	...	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1	1	.11
Abscess.....	...	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1	1	.11
Anæmia.....	1	2	3	...	1	...	...	...	1	1	...	...	...	...	...	...	...	3	...	3	.34
Aneurism.....	...	1	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1	1	.11
Apoplexy.....	13	6	19	...	...	...	...	...	...	2	...	3	3	3	6	2	...	12	7	19	2.15
Asthma.....	1	1	2	...	...	...	1	...	...	...	...	...	1	...	...	...	...	1	1	2	.23
Atelectasis Pulmonum.....	1	1	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	2	.23
Bladder, Disease of.....	2	1	3	...	...	...	...	...	...	...	...	...	...	1	2	...	...	2	1	3	.34
Brain, Congestion of.....	6	7	13	4	4	2	1	...	...	2	...	...	...	...	...	...	...	6	7	13	1.47
“ Disease of.....	6	5	11	1	2	1	1	1	1	...	2	1	...	1	1	...	...	8	3	11	1.24

TABLE XIV. DEATHS, 1862. CONTINUED. *Disease, sex, age, parentage, and ratio from each cause.*

CAUSES OF DEATH.	SEX.		DIVISIONAL PERIODS OF LIFE.															PARENTAGE.			Ratio of deaths from each cause, to whole number from known causes.	
	Males.	Females.	Total.	Under one	1 and un-	2 and un-	5 and un-	10 and un-	15 and un-	20 and un-	30 and un-	40 and un-	50 and un-	60 and un-	70 and un-	80 and un-	90 and over.	American.	Foreign.	Whole number.		
				year.	der 2.	der 5.	der 10.	der 15.	der 20.	der 30.	der 40.	der 50.	der 60.	der 70.	der 80.	der 90.	der 90.	der 90.	der 90.	der 90.		der 90.
Brain, Inflammation of.....	6	10	16	4	5	2	...	1	...	1	...	1	1	...	2	...	...	...	4	12	16	1.81
Bronchitis.....	2	1	3	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	3	...	3	.34
Cancer, (various).....	6	6	12	1	...	...	...	...	...	...	...	3	1	2	4	1	...	...	6	6	12	1.36
“ of Breast.....	...	4	4	...	...	...	...	...	...	...	...	...	2	...	1	1	...	...	3	1	4	.45
“ of Stomach.....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	1	.11
“ of Uterus.....	...	3	3	...	...	...	...	...	...	...	...	...	1	1	1	...	...	...	3	...	3	.34
Carbuncle.....	1	...	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	1	.11
Chicken Pox.....	...	1	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	.11
Child-birth.....	...	8	8	...	...	...	...	...	...	...	3	4	1	...	...	...	...	...	1	7	8	.90
“ Puerperal Convulsions.....	...	2	2	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	1	1	2	.23
Cholera Infantum.....	25	19	44	26	17	1	...	...	...	...	...	...	...	...	...	...	...	...	17	27	44	4.98
“ Morbus.....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	1	.11
Colic.....	1	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	.11
Consumption.....	98	93	191	2	3	1	2	2	23	50	49	28	19	10	2	...	...	99	92	191	21.61	

TABLE XIV. DEATHS, 1862. CONTINUED. *Disease, sex, age, parentage; and ratio from each cause.*

CAUSES OF DEATH.	SEX.		DIVISIONAL PERIODS OF LIFE.														PARENTAGE.			Ratio of deaths from each cause to whole number from known causes.	
	Males.	Females.	Total.	Under one year.	1 and under 2.	2 and under 5.	5 and under 10.	10 and under 15.	15 and under 20.	20 and under 30.	30 and under 40.	40 and under 50.	50 and under 60.	60 and under 70.	70 and under 80.	80 and under 90.	90 and over.	American.	Foreign.		Whole number.
Convulsions.....	15	6	21	9	6	4	1	1	1	1	1	1	1	1	1	1	1	13	8	21	2.38
Croup.....	17	14	31	3	3	18	6	1	1	1	1	1	1	1	1	1	1	15	16	31	3.51
Debility.....	3	5	8	7	1	1	1	1	1	1	1	1	1	1	1	1	1	2	6	8	.90
“ Premature Birth.....	3	4	7	7	1	1	1	1	1	1	1	1	1	1	1	1	1	4	3	7	.79
Diabetes.....	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	.23
Diarrhoea.....	11	10	21	9	8	3	1	1	1	1	1	1	1	1	1	1	1	6	15	21	2.38
“ Chronic.....	3	7	10	2	3	1	1	1	1	1	1	2	1	1	1	1	1	3	7	10	1.13
Diphtheria.....	4	13	17	11	11	5	1	1	1	1	1	1	1	1	1	1	1	11	6	17	1.92
Dropsy, (all kinds).....	5	7	12	2	1	1	1	1	1	2	1	1	1	1	1	1	1	5	7	12	1.36
Dysentery.....	8	14	22	4	8	2	2	1	1	2	2	1	1	1	1	1	1	11	11	22	2.49
Enteritis.....	5	4	9	1	1	1	1	1	1	1	1	1	2	1	1	1	1	4	5	9	1.02
Epilepsy.....	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	.23
Erysipelas.....	3	2	5	2	1	1	1	1	1	1	1	1	1	1	1	1	1	3	2	5	.57
Exposure and Neglect.....	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	.23

TABLE XIV. DEATHS, 1862. CONTINUED. Disease, sex, age, parentage; and ratio from each cause.

DEATHS.

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CAUSES OF DEATH.	SEX.			DIVISIONAL PERIODS OF LIFE.														PARENTAGE.			Ratio of deaths from each cause, to whole number from known causes.
	Males.	Females.	Total.	Under one	1 and un-	2 and un-	5 and un-	10 and un-	15 and un-	20 and un-	30 and un-	40 and un-	50 and un-	60 and un-	70 and un-	80 and un-	90 and over.	American.	Foreign.	Whole number.	
				year.	der 2.	der 5.	der 10.	der 15.	der 20.	der 30.	der 40.	der 50.	der 60.	der 70.	der 80.	der 90.					
Fever, Typhoid and Typhus ..	10	11	21	...	...	1	2	4	3	4	4	1	...	1	1	...	...	14	7	21	2.38
Gun-Shot Wounds.....	2	0	2	...	...	...	...	...	1	1	...	...	...	...	...	...	...	2	....	2	.23
Heart, Diseases of.....	26	23	49	1	1	1	1	...	...	4	7	10	10	7	6	1	...	33	16	49	5.54
Hemorrhage.....	3	3	6	4	...	...	...	...	...	...	...	1	...	...	1	...	...	2	4	6	.68
Hernia.....	1	2	3	1	...	1	...	...	...	...	...	1	...	...	...	...	...	....	3	3	.34
Homicide.....	1	...	1	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1	....	1	.11
Hooping Cough	2	1	3	2	...	1	...	...	...	...	...	...	...	...	...	...	...	1	2	3	.34
Hydrocephalus.....	9	10	19	9	4	4	2	...	...	...	...	...	...	...	...	...	...	9	10	19	2.15
Insanity .....	...	2	2	...	...	...	...	...	...	...	1	...	...	1	...	...	...	1	1	2	.23
Intemperance.....	8	3	11	...	...	...	...	...	...	1	2	3	3	1	1	...	...	2	9	11	1.24
“ Delirium Tremens	2	...	2	...	...	...	...	...	...	...	1	1	...	...	...	...	...	1	1	2	.23
Kidneys, Diseases of.....	4	3	7	...	...	...	...	...	...	1	2	...	1	...	2	...	1	4	3	7	.79
Leucorrhœa.....	...	1	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1	....	1	.11
Liver, Diseases of.....	6	13	19	2	...	1	...	...	...	1	7	6	...	...	1	1	...	7	12	19	2.15

TABLE XIV. DEATHS, 1862. CONTINUED. *Disease, sex, age, parentage; and ratio from each cause.*

CAUSES OF DEATH.	SEX.			DIVISIONAL PERIODS OF LIFE.														PARENTAGE.			Ratio of deaths from each cause to whole number from known causes.
	Males.	Females.	Total.	Under one year.	1 and un-der 2.	2 and un-der 5.	5 and un-der 10.	10 and un-der 15.	15 and un-der 20.	20 and un-der 30.	30 and un-der 40.	40 and un-der 50.	50 and un-der 60.	60 and un-der 70.	70 and un-der 80.	80 and un-der 90.	90 and over.	American.	Foreign.	Whole number.	
				23	2.71	.11	.11	4.41	.23	.57	1.36	.23	6.11	.79	.23	.45	1.58				
Malformations.....	1	1	2	2														2	....	2	.23
Marasmus.....	13	11	24	20	3	1												9	15	24	2.71
Measles.....	....	1	1	....	....	....	....	....	....	1								....	1	1	.11
Neuralgia.....	....	1	1	....	....	....	....	....	....	....	....	....	....	1				....	1	1	.11
Old Age.	10	29	39	....	....	....	....	....	....	....	....	....	....	....	9	23	7	25	14	39	4.41
“ Gangrene Senile.....	2	....	2	....	....	....	....	....	....	....	....	....	....	1	1	....	....	1	1	2	.23
Paralysis.....	5	....	5	....	....	....	....	....	....	....	....	1	....	4	....	....	....	5	0	5	.57
Peritonitis.....	7	5	12	1	....	....	1	2	....	3	1	1	....	2	....	1	....	8	4	12	1.36
Pleurisy	1	1	2	....	....	....	....	....	....	....	....	1	1	....	....	....	....	1	1	2	.23
Pneumonia.....	25	29	54	7	3	4	2	....	....	6	10	6	6	7	3	....	....	26	28	54	6.11
“ Congestion of Lungs	4	3	7	3	....	2	....	....	....	....	....	....	....	....	2	....	....	7	....	7	.79
Purpura Hemorrhagica.....	1	1	2	1	....	....	....	....	....	....	....	1	....	....	....	....	....	2	....	2	.23
Pyæmia.....	3	1	4	....	....	....	....	....	....	....	1	1	....	....	1	....	1	3	1	4	.45
Scarlatina.....	6	8	14	2	2	8	1	1	....	....	....	....	....	....	....	....	....	3	11	14	1.58

TABLE XIV. CONTINUED. DEATHS, 1862. *Disease, sex, age, parentage; and ratio from each cause.*

DEATHS.

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CAUSES OF DEATH.	SEX.		DIVISIONAL PERIODS OF LIFE.														PARENTAGE.			Ratio of deaths from each cause to whole number from known causes.		
	Males.	Females.	Total.	Under one year.	1 and un-	2 and un-	5 and un-	10 and un-	15 and un-	20 and un-	30 and un-	40 and un-	50 and un-	60 and un-	70 and un-	80 and un-	90 and over.	American.	Foreign.		Whole number.	
					der 2.	der 5.	der 10.	der 15.	der 20.	der 30.	der 40.	der 50.	der 60.	der 70.	der 80.	der 90.						
Scrofula.....	3	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	3	.34
Small Pox.....	2	2	4	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	3	4	.45
Spine, Disease of.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	.11
Stomach, Disease of.....	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	.23
“ Inflammation of.....	3	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	3	.34
Suicide.....	2	1	3	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	2	1	3	.34
Syphilis.....	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	.23
Tabes Mesenterica.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	.11
Teething.....	4	3	7	3	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6	7	.79
Throat, Ulceration of.....	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	.23
Tumors.....	1	2	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	3	.34
Unknown.....	16	14	30	16	3	2	1	1	1	1	2	1	2	1	3	1	1	10	20	30	.....
Totals.....	450	464	914	166	81	84	34	14	35	90	115	83	62	55	51	32	9	460	454	914	100.00	

TABLE XV. DEATHS, 1862. Season and disease.

CAUSES OF DEATH.	Jan.	Feb.	March.	Total first quarter.	April.	May.	June.	Total second quarter.	July.	Aug.	Sept.	Total third quarter.	Oct.	Nov.	Dec.	Total fourth quarter.	Whole No. during the year.
Accidents, (all kinds).....	2	4	2	8	2	4	3	9	2	1	1	4	3	1	1	5	26
Apoplexy.....	...	...	4	5	...	...	2	3	2	...	...	5	...	2	...	6	19
Brain, Diseases of.....	4	1	7	12	4	3	1	8	3	...	3	9	7	2	4	11	40
Cancer, (all kinds).....	...	...	...	1	4	2	3	9	...	2	3	5	1	3	...	5	20
Child Birth & Puerperal Diseases.	1	...	1	2	1	1	1	3	...	...	...	2	...	2	1	3	10
Cholera Infantum.	...	...	...	...	...	...	...	...	2	29	7	38	6	...	...	6	44
“ Morbus.....	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	1
Consumption.....	11	14	14	39	14	14	11	39	12	16	15	43	16	26	28	70	191
Convulsions.....	1	3	...	4	1	3	4	8	1	5	1	7	...	...	...	2	21
Croup.....	5	3	2	10	2	4	4	10	...	...	...	...	...	3	...	3	31
Diarrhoea.....	1	...	...	1	...	...	...	...	2	11	9	...	4	3	1	8	31
Diphtheria.....	3	...	...	3	1	...	...	1	1	...	1	22	1	8	2	11	17
Dropsy, (all kinds).....	2	1	...	3	...	4	...	4	...	3	1	4	...	...	1	...	12
Dysentery.....	...	...	...	...	1	...	...	1	2	6	10	18	3	...	...	3	22
Enteritis.....	1	...	...	1	...	2	...	2	2	...	1	3	...	1	1	3	9
Erysipelas.....	...	...	...	...	...	...	1	1	...	...	...	...	2	1	1	4	5
Fevers, (all kinds).....	2	1	...	3	2	...	...	2	2	1	...	3	...	2	...	4	21
Heart, Diseases of.....	5	6	6	17	3	6	...	9	5	3	6	14	2	7	4	13	49
Hooping Cough.....	1	...	...	1	1	...	...	1	...	...	...	...	...	1	...	1	3
Hydrocephalus.....	3	4	...	7	...	2	4	6	1	1	1	3	...	2	...	3	19
Intemperance and Deli. Tremens.	1	...	2	3	1	1	1	3	1	2	2	3	...	1	3	4	13
Liver, Diseases of.....	2	1	1	4	1	...	2	3	1	2	...	3	5	2	2	9	19
Marsasmus.....	1	...	2	3	1	1	3	5	3	2	9	14	2	...	...	2	24
Measles.....	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	1
Old Age and Senile Gangrene....	2	4	3	9	3	5	5	13	3	8	2	13	...	2	4	6	41
Paralysis.....	...	...	1	1	...	...	1	1	...	...	1	1	...	2	...	2	5
Peritonitis.....	...	...	1	1	1	2	1	4	...	3	...	3	3	...	1	4	12
Pneumonia & Congestion of Lungs	9	5	7	21	4	5	6	15	4	1	4	9	1	7	7	16	61
Scarlatina.....	1	...	2	3	1	4	1	6	1	...	...	1	1	1	2	4	14
Small Pox.....	1	2	1	4	...	...	...	...	...	...	...	...	...	...	...	...	4
Teething.....	...	...	...	...	2	...	...	2	...	1	1	4	...	1	...	1	7
Unknown causes.....	5	2	2	9	4	1	3	8	3	...	2	6	3	2	...	7	30
Other causes as given.....	7	7	7	21	4	6	6	16	6	10	15	31	4	8	12	24	92
Totals.....	72	60	65	197	56	74	62	192	61	109	101	271	73	94	87	254	914

NOTES ON THE CAUSES OF DEATH,

DURING THE YEAR 1862.

The following notes are intended to explain some facts and give some additional information relating to the causes of death, which could not be given in tabular form.

Accidents. There were only 26 deaths in Providence, in 1862, from accidental causes of every description; or 2.93 per cent. of the whole number (884) of deaths from known causes. The number was the same, and the percentage nearly the same as in 1857; but both were less than the average.

There were in 1862, eight deaths from burns and scalds; 3 only, from drowning; 4 from falls; one from poisoning; and 10 from other accidents. There were 17 males, 9 females; 8 of American, and 18 of foreign parentage.

The case of death from poisoning was a child, poisoned by drinking six ounces of gin.

The accidents not described in the table, were: "fall from a fence," "fall down stairs," and "fall from a building," one each; "hit by locomotive or cars," and "steam boiler explosion," two each; "run over by a loaded wagon," "upset in a hack," "thrown from a sleigh," and "injury at birth," one each; and two deaths of children from "injury to the head."

The number and percentage of deaths from accidental causes during the last seven years, 1856 to 1862 inclusive, have been as follows:

ACCIDENTS.	1862.	1861.	1860.	1859.	1858.	1857.	1856.
Number of deaths....	26.....	37.....	35.....	33.....	21.....	26.....	27
Percentages.....	2.93....	3.65....	3.64....	3.80....	2.11....	2.88....	2.62

During the seven years, included above, there were 6,649 deaths in Providence from known causes. Of these 205, or 3.08 per cent. were from accidental causes. Of the 205 deaths, there were 143 males, 62 females; 80 of American, and 125 of foreign parentage.

Apoplexy. There were 19 deaths from this cause, in 1862, or 2.15 per cent. of all from known causes. The number of deaths from apoplexy, in 7 years, 1856-1862, was 120, or 1.80 per cent. These were divided as follows:

Males, 60; females, 60; total, 120.

American parentage, 86; foreign parentage, 34.

Brain, Diseases of. There were 40 deaths in 1862, of which 16 were reported "inflammation of the brain;" 13, "congestion;" and 11, "disease of the brain." They amounted to 4.52 per cent. of all the deaths from known causes, and included 18 males, 22 females; 18 of American, and 22 of foreign parentage.

The statistics of deaths from diseases of the brain, for seven years past, were as follows:

Males, 124; females, 105; total, 229, or 3.44 per cent.

American parentage, 124; foreign parentage, 105.

Cancer caused 20 deaths, in 1862, of which 4 were cancer of the breast; 1, of the stomach; 3, of the uterus; 3, of the liver; one each of the parotid gland, œsophagus, face, neck, and leg; and 4 in which the location was not given. There were 7 males, 13 females; 13 of American and 7 of foreign parentage. The percentage was 2.26 of all from known causes. The statistics of deaths from cancer for seven years, 1856 to 1862 inclusive, were as follows:

Males, 35; females, 87; total, 122; or 1.83 per cent.

American parentage, 85; foreign parentage, 37.

Child-birth. Eight deaths were reported in 1862, from "child-birth;" and 2 from puerperal convulsions. Of the 10 decedents, 2 were of American, and 8 of foreign parentage. No deaths were reported, during the year, from puerperal fever.

Of the 8 deaths reported from "child-birth," one was from "premature labor;" one from "rupture of the bladder;" and 2 from "rupture of the uterus." The decedents from "rupture of the uterus," were both natives of Ireland, and aged 34 and 35 years respectively.

During the seven years, 1856 to 1862, there have been reported 65 deaths from causes connected with childbirth. Of this number, 22 were of American, and 43 of foreign parentage. Of the whole number, 10 were from "rupture of the uterus." These were all natives of Ireland, and all but two were between 30 and 40 years of age.

Cholera Infantum. The number of deaths (44) in Providence, in 1862, was 17 less than in 1861, and less than the average for a series of years. The percentage, (4.98) was also less than the average. Of the 44 decedents, in 1862, 25 were males, 19 females; 17 of American, and 27 of foreign parentage.

During seven years, 1856 to 1862 inclusive, the statistics of deaths from cholera infantum in Providence, were as follows:

Males, 192; Females, 170; total 362;—or 5.44 per cent.

American parentage, 136; foreign parentage, 226.

Consumption. The number of deaths from consumption, in 1862, was 191, which was 21.61 per cent. of the whole number from known causes. They were divided according to parentage, and sex as follows:

American parentage.....47 males.....52 females.....total, 99.

Foreign parentage.....51 males.....41 females.....total, 92.

—————
Total.....98 males.....93 females.....total 191.

The year 1862 was the first in which there was a greater number of males than of females among the decedents from consumption, and this was owing to the fact which we have before noticed, of the excess of males among the decedents of foreign parentage.

During seven years, 1856 to 1862 inclusive, the deaths from consumption, in Providence were as follows:

Whole number, 1305, or 19.62 per cent.

American parentage.....261 males; 453 females; total, 714.

Foreign parentage.....308 males; 283 females; total, 591.

—————
Totals.....569 males; 736 females; total, 1305.

Convulsions. The number of deaths reported from convulsions, in 1862, was 21; or 2.38 per cent. of all from known causes. There were 15 males, 6 females; 13 of American, and 8 of foreign parentage. The number and percentage were less than in preceding years; a gratifying change, as "convulsions" are not of themselves a disease, but only a symptom of some disease.

The deaths reported from convulsions, in seven years, 1856 to 1862, were as follows:

Males, 125; females, 98; total, 223, or 3.35 per cent.

American parentage, 88; foreign parentage, 135.

Croup. There were 31 deaths in Providence, from croup, in 1862, or 3.51 per cent. of all from known causes. Seventeen were males, 14 were females; 15 of American, and 16 of foreign parentage. The seven years statistics of croup in Providence, 1856-1862, have been as follows :

Males, 93; females, 85; total, 178, or 2.67 per cent.

American parentage, 76; foreign parentage, 102.

Diarrhœa and Dysentery. In 1862, there were 21 deaths reported from acute diarrhœa; 10 from chronic diarrhœa; and 22 from dysentery; total, 53, or 6.00 per cent. of all from known causes. Of these, 22 were males, 31 females; 20 of American, and 33 of foreign parentage.

There were 98 deaths, or 11.09 per cent., in 1862, from the four diseases, cholera infantum, cholera morbus, diarrhœa, and dysentery; viz: 48 males, 50 females; 37 of American, and 61 of foreign parentage.

The statistics of deaths from these *four diseases*, during seven years, 1856 to 1862 inclusive, were as follows :

Males, 365; females, 372; total 737, or 11.08 per cent.

American parentage, 303; foreign parentage, 434.

Diphtheria. There were 17 decedents from diphtheria, in Providence, in 1862, or 1.92 per cent. of all from known causes. Of these, 4 were males, 13 females; 11 of American, and 6 of foreign parentage.

The first deaths reported from diphtheria in Providence, were in 1858. During the five years, 1858 to 1862 inclusive, the statistics of deaths from this disease were as follows :

Males, 39; females, 47; total 86, or 1.82 per cent.

American parentage, 48; foreign parentage, 38.

The number of deaths, in 1862, from diphtheria, was less than in the preceding year; but there was, as usual in past years, an outbreak of the disease in October and November, which soon subsided. At no time has diphtheria ever become epidemic in Providence.

The season of the year in which diphtheria prevails most severely, is a subject of interest and importance; and the statistics of diphtheria and of scarlatina show a marked difference between the two diseases, which is worthy of notice. It seems that diphtheria prevails most severely in the autumn, reaching its period of greatest mortality in October or November; while scarlatina prevails most severely in the winter, reaching its light in March or April.

The following statistics show this difference, the facts for diphtheria being for five years, 1858 to 1862 inclusive; and those for scarlatina being for eight years, 1855 to 1862 inclusive. Dividing the year into two equal parts, the deaths for the whole period have been as follows :

DIPHTHERIA, 5 years.	SCARLATINA, 8 years.
January—June. 22 deaths, or 25.58 per cent.	275 deaths, or 69.80 per cent.
July—December. 64 deaths, or 74.42 per cent.	119 deaths, or 30. 20 per cent.
Whole Year.	86 deaths, or 100.00 per cent.
	394 deaths, or 100.00 per cent.

Dividing the year into three portions of four months each, the deaths were as follows :

DIPHTHERIA 5 years.	SCARLATINA, 8 years.
January—April. 14 deaths, or 16.28 per cent.	193 deaths, or 48.99 per cent.
May—August. 18 deaths, or 20.93 per cent.	119 deaths, or 30.20 per cent.
Sept.—December. 54 deaths, or 62.79 per cent.	82 deaths, or 20.81 per cent.
Whole year.	86 deaths, or 100.00 per cent.
	394 deaths, or 100.00 per cent.

Taking all the deaths from *diphtheria*, reported in the State of Rhode Island, from 1858 to 1861 inclusive, the proportions were as follows :

January—June, 39.06 per cent.; July—December, 60.94 per cent.

Fevers. There were 21 deaths reported in 1862 from typhoid fever; a less number than the annual average. Of the decedents, there were 10 males, 11 females; 14 of American and 7 of foreign parentage. During seven years, 1856 to 1862 inclusive, the deaths from fevers, including typhoid, typhus, bilious, yellow, &c., were as follows :

Males, 97; females, 88; total, 185, or 2.78 per cent.
American parentage, 118; foreign parentage, 67.

Heart, Diseases of. There were 49 deaths reported from diseases of the heart, in 1862, or 5.54 per cent. of all from known causes. Of these, there were 26 males, 23 females; 33 of American, and 16 of foreign parentage.

During the last seven years, 1856 to 1862 inclusive, the decedents from diseases of the heart, have been as follows :

Males, 111; females, 122; total, 233, or 3.50 per cent.
American parentage, 166; foreign parentage, 67.

During the last two years, there has been a large increase in the number of deaths reported from "diseases of the heart," the numbers being 41 in 1861, and 49 in 1862, while the annual average for the

five years preceding was only 28. There has been a large number of sudden deaths, in the last two years, and a considerable portion of these are reported "diseases of the heart," often perhaps, without sufficient certainty of its correctness.

Hooping cough. Only 3 deaths in 1862, while in the year previous, the number was 25.

The seven years statistics of deaths in Providence, from hooping cough, are as follows :

Males, 41; females, 47; total, 88, or 1.32 per cent.

American parentage, 34; foreign parentage, 54.

Hydrocephalus. There were only 19 deaths reported, in 1862, from hydrocephalus, or 2.15 per cent. of all from known causes. The number was much less than in preceding years. Of this number, there were 9 males, 10 females; 9 of American, and 10 of foreign parentage. In the seven years, 1856 to 1862, the statistics of deaths from hydrocephalus were

Males, 127; females, 86; total, 213, or 3.20 per cent.

American parentage, 123; foreign parentage, 90.

Intemperance and Delirium Tremens were reported as the direct cause of 13 deaths, in 1862. Of the decedents, 10 were males, 3 females; 3 of American, and 10 of foreign parentage.

The statistics of deaths from intemperance and delirium tremens, in seven years, 1856-61, are as follows :

Males, 64; females, 21; total, 85, or 1.27 per cent.

American parentage, 26; foreign parentage, 59.

Kidneys, Diseases of. Seven deaths in 1862, of which 5 were from "Bright's disease."

Liver, Diseases of, caused 19 deaths in 1862, of which 3 were from "hypertrophy of the liver," 3 from "cirrhosis," and 7 from inflammation and congestion.

During the last seven years, the deaths from diseases of the liver were as follows :

Males, 35; females, 43; total, 78, or 1.17 per cent.

American parentage, 39; foreign parentage, 39.

Malformations. Only 2 deaths reported in 1862, from this cause, of which one was "of the spine," the other "of the bowels." The

malformations reported in Providence during the last seven years, 1856-61, were, whole number 45 ; males 26, females 19 ; American parentage, 32 ; foreign parentage, 13.

Marasmus. The number of deaths reported in 1862, from marasmus, was 24, of which there were 13 males, 11 females ; 9 of American, and 15 of foreign parentage.

In seven years past, 1856 to 1862, the whole number was 175, or 2.63 per cent. of all from known causes ; 91 males, 84 females ; 83 of American, and 92 of foreign parentage.

Old age, including *senile gangrene*, was the reported cause of 41 deaths in 1862, or 4.64 per cent. of all from known causes. Of the decedents, there were 12 males, 29 females ; 26 of American, and 15 of foreign parentage. During the same year there were 92 deaths of persons of 70 years of age and over.

During seven years, 1856 to 1862 inclusive, there were 614 decedents in Providence, of the age of 70 years and over, distributed as follows :

YEAR.	1862.	1861.	1860.	1859.	1858.	1857.	1856.	Total.
70 years and over.....	92.....	86.....	104.....	73.....	91.....	96.....	72.....	614

Of the whole number (614) there were 365 between 70 and 80 years of age, 200 between 80 and 90 years, 45 between 90 and 100, and 4 over 100 years. There were 488 of American, and 126 of foreign parentage.

The whole number of decedents in Providence, from known and unknown causes, during the seven years, 1856 to 1862 inclusive, was 6,872, of whom 614, or 8.93 in each 100, were 70 years of age or more.

Pneumonia including *congestion of the lungs*, caused 61 deaths in Providence, in 1862, or 6.90 in each 100 of all from known causes. There were 29 males, 32 females ; 33 of American and 28 of foreign parentage.

In our fickle climate, this disease constantly causes a large percentage of the mortality ; both as a primary disease, and as secondary, after measles, scarlatina, &c.

During seven years, 1856-1862, the decedents from pneumonia and congestion of the lungs, in Providence, were

Males, 262 ; females, 213 ; total, 475 ; or 7.14 per cent.

American parentage, 255 ; foreign parentage, 220.

Scarlatina. This disease has not been epidemic in Providence since 1858. Though almost constantly present, and occasionally proving suddenly and severely fatal in single families, it has been generally mild and the mortality has been small. There were only 14 deaths from scarlatina, in Providence, during the year 1862, a smaller number than in any year, with one exception, since 1842, a period of 20 years.

During the last seven years, 1856 to 1862, the decedents from scarlatina, in Providence, were as follows :

Males, 171; females, 181; total, 352, or 5.29 per cent.

American parentage, 189; foreign parentage, 163.

There are great variations in the number and percentage of the deaths from scarlatina. In 1862 there were 14 deaths, or 1.58 per cent. of all from known causes; in 1856, there were 144 deaths, or 14 per cent.; and in 1858, there were 72 deaths, or 7.23 per cent.

Some remarks in relation to scarlatina have been made in the notes on diphtheria; and in the sixth report, for 1860, very minute statistics of both diseases were given.

Small Pox. There were four deaths from small pox in Providence, during the first three months of the year 1862. The first death was on the last day of January, and the last death, on the first day of March. The last death in the city from small pox, previous to these, was on the 12th of May, 1860.

From the first of January to the 14th of April, 1862, there were 53 cases of varioloid, and 9 cases of unmodified small pox, in the city. Of the cases of varioloid, none died; of the cases of small pox, 4 died. There was one case, in February, in which the same person had the small pox the second time.

There has not been a case of small pox or varioloid, in the city, since the middle of April, 1862, to this date April 1, 1863.

Suicide. There were three deaths from suicide in Providence, in 1862; two males, one female; 2 of American, and one of foreign parentage. One was by drowning, one by shooting, and one by taking prussic acid.

During the last seven years, the deaths from suicide in Providence, have been as follows:—Whole number, 21; males, 13, females, 8; of American parentage, 14; of foreign parentage, 7.

Unknown causes. Thirty persons died in Providence, in 1862, of whom the cause of death is recorded as unknown. Of these, 16 were males, 14 females; 10 of American, and 20 of foreign parentage.

In seven years, (1856-62), the deaths reported from unknown causes, were as follows :

Males, 100; females, 123; total, 223.

American parentage, 51; foreign parentage, 172.

STILL BORN.

The number of still born children in Providence, in 1862, was 88, which is not far from the average. Of these, 47 were males, 41 females; 84 white, 4 colored; 22 of American parentage, 55 Irish, one English, one German, 2 American father and Irish mother, 2 English father and Irish mother, and one each of the following: British American, British American father and American mother, English father and American mother, Irish father and American mother, and German father and Irish mother; total, 88.

In the different portions of the city, the numbers were as follows: First ward, 22; second, 2; third, 14; fourth, 5; fifth, 18; sixth, 12; seventh, 15; total, 88.

The numbers in the different portions of the year were as follows: January, 12; February, 13; March, 2; April, 9; May, 7; June, 6; July, 7; August, 2; September, 9; October, 7; November, 9; December, 5; total, 88.

The number in each quarter of the year, was :

January—March.....27	July—September.....18
April—June.....22	October—December.....21

A comparison of the still born, in 1862, with the whole number of births according to parentage, gives the following results: Whole number of children born of American *mothers*, 656; still born, 25, or one in 26.24. Children born of Irish *mothers*, 689; still born, 60, or one in 11.48.

During the last seven years, 1856 to 1862 inclusive, there were 641 still born children, in Providence. Of these there were 369 males, 272 females; 617 white, 24 colored; 235 of American parentage, 338 Irish, 61 other foreign, and 7 of unknown parentage; the parentage being given according to the nativity of the father.

The whole number of children born in Providence, during the same seven years, was 11,582, so that of the whole number, one in 18.07 was still born.

GENERAL SUMMARY.

EIGHT YEARS, 1855 TO 1862 INCLUSIVE.

The following table shows the general results of registration in Providence, during eight years, 1855 to 1862 inclusive.

TABLE XVI. BIRTHS, MARRIAGES, AND DEATHS.

YEAR.	POPULATION	BIRTHS.	To popula- tion one birth in	MAR- RIAGES.	Of popula- tion one person mar- ried in	DEATHS.	Of popula- tion one death in
1855....	47,785	1,600	29.86	636	37.56	991	48.22
1856....	48,727	1,675	29.09	656	37.14	1,065	45.75
1857....	49,457	1,688	29.30	614	40.27	925	53.46
1858....	49,457	1,724	28.68	560	44.15	1,017	48.63
1859....	50,100	1,593	31.45	616	40.66	899	55.72
1860....	50,666	1,648	30.74	633	40.02	1,001	50.61
1861....	50,666	1,725	29.37	547	46.31	1,051	48.21
1862....	50,666	1,529	33.13	547	46.31	914	55.43
Average	49,690	1,648	30.15	601	41.33	983	50.55

The population given above, for the years 1855 and 1860, is official, according to the censuses of those years. I have given the population for 1862, the same as in 1860.

Though there is a large number of residents of Providence absent in the army, there is each year an excess of several hundred births over the deaths; and some important manufactures in the city are highly prosperous at the present time, so that there has been a considerable immigration from other places. I am confident that the population of the city is fully as large as in 1860, and probably larger.

The annual average for eight years, is nearly one birth in 30; one person married in 41; and one death in 50 of the population.

The present report, for the year 1862, is the eighth annual report which has been published, upon the births, marriages, and deaths in the city of Providence; commencing with the report for 1855. During these years, a large mass of facts has been accumulated, so that they begin to have some positive value in determining the general laws which govern the vital statistics of the city.

For the purposes of convenient reference, conciseness, and uniformity, it has been necessary to give these facts in the form of tables. But the tabular form, though necessary, is unattractive to a large portion of the people, and on this account, fails in some degree of its object. In order to put the information which has been obtained, in a form which will be interesting and useful to the people generally, I propose, in the following pages, to give some of the facts obtained, and the general laws which govern them, in the form of simple deductions or statements, which may be comprehended by all, at a glance.

Though these deductions are given in the form of statements of positive truth, I wish it to be distinctly understood that they cannot be considered as absolutely true. They are only true statements of the results of registration in Providence, during the last eight years, and though the greater portion of them are very near the truth, they are nearly all liable to be changed and modified, by a further accumulation of facts.

The statements are arranged in the order of the facts in the annual reports, under the three divisions: births, marriages and deaths.

BIRTHS.

1. The average number of children born in Providence, annually, is 1,648; equal to 137 each month, or one every 5 hours. This is one birth, annually, in every 30 of the population.

2. In every 100 children, born in Providence, 51.76 are boys, and 48.24 are girls; or 107.3 boys to each 100 girls.

3. The proportion of boys born is much the largest in the first quarter of the year, and the smallest in the third quarter.

4. In each 100 children born in Providence, 39.51 are of American parentage, 53.06 of foreign parentage, and 7.43 of mixed, *i. e.* American and foreign, parentage.

5. Of every 53 children of foreign parentage, 42 are Irish, 6 English, 3 German, and the balance "other foreign."

6. Of 13,182 children, born in the last eight years, 3,086, or 23.41 in each 100, were the first children of the mothers; 9 were fourteenth children, 5 the fifteenth, 5 the seventeenth, and one the nineteenth.

7. In eight years past, there were, in Providence, 155 cases of twin births, and 4 cases of triplets, in which 322 children were born; 152 boys and 170 girls.

8. The cases of twin births were one in 84.6 of all the cases of child-birth, and the cases of triplets, one in 3.255.

9. Of all the children born in eight years, one in 41 was a twin or a triplet.

10. Of 13,182 children, born in Providence, in eight years past, 721 were still born, or one in every 18.28.

11. Of the still born children, 57.57 in each 100 are boys, and 42.43 in each 100 are girls; or 135.6 boys to 100 girls.

12. Of all the children born of American fathers, one in 21.4 is still born; of Irish fathers, one in 15.2; and of other foreign fathers, one in 23.4.

MARRIAGES.

1. On an average 1200 persons are married in Providence, annually, or 100 each month.

2. One in 41.3 of the population of Providence, is married annually.

3. More marriages are solemnized in October, and less in March than in the other months; and many more in the fourth than in the other quarters of the year.

4. Both parties are natives of the United States in 55 of each 100 marriages in Providence; both are natives of foreign countries in 34 of each 100; and in 11 of each 100 marriages, one party is born in the United States and the other in some foreign country.

5. The average age of persons married in Providence is, males, 28.1 years; females, 24.1 years.

6. About one in 5 of the females married in Providence is under 20 years of age, while only one in 34 of the males is under that age.

7. More males are married over 50 years of age, than under 20.

8. Of all the marriages solemnized, it is the first marriage of 82 in each 100 of the males, and of 88.6 in each 100 of the females.

9. Of 1094 persons married in Providence, in 1862, only 14.3 in each 100 were natives of the city.

10. During the last four years, of the persons married in Providence, who were born in the United States, 2.85 in each 100 of the males, and 4.95 in each 100 of the females, were unable to write their names.

11. Of those married, who were born in foreign countries, 43.43 in each 100 of the males, and 58.86 in each 100 of the females, were unable to write their names.

12. Of the marriages in 1862, in Providence, 28 in each 100 were solemnized by Roman Catholic clergymen. See page 13.

DEATHS.

1. The average number of deaths in Providence, is 983 annually, or 82 in each month. The extremes in the last eight years, are 899 and 1065.

2. Of the whole population of Providence, one in 50.5 dies annually, or 19.78 in each 1000.

3. In a series of years, the order of the months in relation to mortality is as follows : the month with the greatest mortality being number one, and the month with the least mortality being number twelve.

1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.
Aug.	Sept.	July.	Jan.	March.	Nov.	Oct.	May.	April.	Feb.	Dec.	June.

4. In a series of years, the greatest number of deaths occurs in the third quarter, and the least number in the second quarter of the year.

5. In the last eight years, more females than males died in Providence ; but in the last 23 years, more males than females died.

6. As a general rule, more males than females are born, and more females than males die in Providence, and yet there is constantly a large excess of females in the living population of the city.

7. In every year, among the decedents of American parentage there is a large excess of females ; but among the decedents of foreign parentage there are more males than females.

8. Among the colored population of Providence, there are more deaths than births ; in the last eight years, 420 deaths to 378 births.

9. In the First, Third, Fifth, and Seventh wards, more persons die of foreign than of American parentage ; but in the Second, Fourth, and Sixth wards, the reverse is true.

10. Of all who die in Providence, 79.8 in each 100 are born in the United States ; but more than one-third of these are children of foreign parents, so that

11. Of all who die in Providence, only 51.8 in each 100 are of American parentage, and 48.2 in each 100 are of foreign parentage.

12. The average age of all who have died in Providence, during the last seven years, has been 25.18 years.

13. Dividing the population into two classes, *the first* class including Americans and their children, *the second* including foreigners and their children; the average age of those who die in each class is as follows:

American class.....30.67 years. [Foreign class.....19.27 years.

14. Of the decedents of American parentage, one-third (33.4 per cent.) are under 5 years of age; while of the decedents of foreign parentage, one-half (50.7 per cent.) are under 5 years.

15. More than half of the decedents in Providence, of American parentage, are over 20 years of age; but of those of foreign parentage, one-half are under 5 years.

16. Of the decedents in Providence, of American parentage, 28 in each 100 are over 50 years of age; but of those of foreign parentage, only 13 in each 100 are over 50 years.

17. Of those who die, of American parentage, 14 in each 100 are over 70 years of age; but of those of foreign parentage only 3.8 are over 70 years.

18. Of all who have died in Providence, of all classes, in the last 23 years, 43 in each 100 have been under 5 years of age; but this proportion is less than in other cities.

19. *Causes of death.* Of all the deaths recorded in Providence, only 3 in each 100 are reported "cause unknown."

20. Of each 100 deaths in Providence, of which the causes are known, the average numbers from some of the principal causes are as follows:

Accidents.....	3.0 in each 100.	Fevers.....	2.8 in each 100.
Apoplexy.....	1.8 in each 100.	Heart, Diseases of.....	3.5 in each 100.
Brain, Diseases of.....	3.4 in each 100.	Hooping Cough.....	1.3 in each 100.
Cancer.....	1.8 in each 100.	Hydrocephalus.....	3.2 in each 100.
Cholera Infantum.....	5.4 in each 100.	Liver, Diseases of.....	1.1 in each 100.
Consumption.....	19.6 in each 100.	Old Age.....	3.5 in each 100.
Convulsions.....	3.3 in each 100.	Pneumonia.....	7.1 in each 100.
Croup.....	2.6 in each 100.	Scarlatina.....	5.2 in each 100.
Diarrhoea & Dysentery..	5.3 in each 100.	Small Pox.....	0.3 in each 100.

21. If we take 100 deaths in Providence, from each of the foregoing causes, the number of American, and of foreign parentage is as follows :

DEATHS FROM	In each 100 deaths,
Accidents.....	39.0 of American, and 61.0 of foreign parentage.
Apoplexy.....	71.6 of American, and 28.4 of foreign parentage.
Brain, Diseases of.....	54.1 of American, and 45.9 of foreign parentage.
Cancer.....	69.6 of American, and 30.4 of foreign parentage.
Cholera Infantum.....	37.5 of American, and 62.5 of foreign parentage.
Consumption.....	54.7 of American, and 45.3 of foreign parentage.
Convulsions.....	39.4 of American, and 60.6 of foreign parentage.
Croup.....	42.7 of American, and 57.3 of foreign parentage.
Diarrhœa and Dysentery..	45.6 of American, and 54.4 of foreign parentage.
Fevers.....	63.7 of American, and 36.3 of foreign parentage.
Heart, Diseases of.....	71.2 of American, and 28.8 of foreign parentage.
Hooping Cough.....	38.6 of American, and 61.4 of foreign parentage.
Hydrocephalus.....	57.7 of American, and 42.3 of foreign parentage.
Liver, Diseases of.....	50.0 of American, and 50.0 of foreign parentage.
Old Age.....	73.7 of American, and 26.3 of foreign parentage.
Pneumonia.....	53.6 of American, and 46.4 of foreign parentage.
Scarlatina.....	53.7 of American, and 46.3 of foreign parentage.

22. Of all the decedents in Providence, from contagious, infectious, and epidemic diseases, (zymotics), 46.5 in each 100 are of American, and 53.5 in each 100 of foreign parentage.

23. Of each 100 persons of American parentage, who die in Providence, 23.6 die from zymotic diseases.

24. Of each 100 persons of foreign parentage, who die in Providence, 29.3 die from zymotic diseases.

I had intended to add various propositions in relation to some of the most prominent causes of death ; but the want of time renders it necessary to close this report at this point.

I am indebted to the Superintendent of the United States Census for a table, which is given on the next page, showing the number of males and females in each division of age, in each ward of the city of Providence, by the census of 1860. This table has not been published before.

EDWIN M. SNOW, M. D.,
Supt. of Health and City Registrar.

Providence, April 3, 1863.

TABLE XVII. POPULATION OF PROVIDENCE, 1860. *United States Census.*

WARDS.	SEX.	Under one year.	1 and under 5.	5 and under 10.	10 and under 15.	15 and under 20.	20 and under 30.	30 and under 40.	40 and under 50.	50 and under 60.	60 and under 70.	70 and under 80.	80 and under 90.	90 and over.	TOTALS.
I.	Males.....	119	435	469	499	442	863	766	490	276	126	42	7	2	4,536
	Females.....	129	427	525	497	529	929	929	471	310	171	78	18	3	4,838
	Total.....	248	862	994	996	971	1,792	1,517	961	586	297	120	25	5	9,374
II.	Males.....	35	148	176	171	221	530	320	210	168	77	44	7	2	2,109
	Females.....	41	144	169	175	253	768	400	265	212	112	54	22	..	2,615
	Total.....	76	292	345	346	474	1,298	720	475	380	189	98	29	2	4,724
III.	Males.....	126	400	411	416	394	772	588	420	195	105	33	3	1	3,864
	Females.....	140	442	449	396	402	846	636	417	225	147	84	24	4	4,212
	Total.....	266	842	860	812	796	1,618	1,224	837	420	252	117	27	5	8,076
IV.	Males.....	46	182	177	166	213	587	384	223	149	69	27	9	..	2,232
	Females.....	42	184	165	193	209	680	404	247	195	104	44	16	..	2,483
	Total.....	88	366	342	359	422	1,267	788	470	344	173	71	25	..	4,715
V.	Males.....	97	385	321	301	333	874	622	387	214	93	32	6	3	3,608
	Females.....	88	345	391	319	402	877	663	387	250	164	63	18	11	3,978
	Total.....	185	730	712	620	735	1,751	1,285	774	464	257	95	24	14	7,646
VI.	Males.....	124	407	493	472	366	840	704	482	242	118	50	9	..	4,307
	Females.....	107	413	529	459	555	1,112	780	487	322	194	80	16	4	5,058
	Total.....	231	820	1,022	931	921	1,952	1,484	969	564	312	130	25	4	9,365
VII.	Males.....	108	342	411	340	293	529	539	349	170	70	18	8	1	3,178
	Females.....	94	323	391	338	369	789	563	350	190	116	43	15	1	3,588
	Total.....	202	671	802	678	662	1,318	1,102	699	360	186	61	23	2	6,766
Whole City.....	Males.....	655	2,209	2,458	2,365	2,262	4,995	3,923	2,561	1,414	658	246	49	9	23,894
	Females.....	641	2,284	2,619	2,377	2,719	6,001	4,197	2,624	1,704	1,008	446	129	23	26,772
	Total.....	1,296	4,583	5,077	4,742	4,981	10,996	8,120	5,185	3,118	1,666	692	178	32	50,666

VITAL STATISTICS, PROVIDENCE, R. I.
1862.

CITY REGISTRAR'S
EIGHTH ANNUAL REPORT.

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