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Office of Commissioner of Probation

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Research Report

DRIVING UNDER THE INFLUENCE OF LIQUOR:
MASSACHUSETTS ARRAIGNMENTS BY COURT (1981-1982)

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Introduction

Drunk driving has received considerable media attention in Massachusetts during the last year, and with this increased attention, the public has felt a heightened concern for drunk driving as a significant criminal justice problem.

With this in mind, the Massachusetts legislature enacted a substantial change in the drunk driving statutes on September 1, 1982. The objective of the new law (Chapter 373 of the Acts of 1982) was to increase the certainty of punishment for persons found to be driving under the influence of liquor. A subsidiary objective was to enact strict penalties which would serve to deter motorists from drinking and driving.

Because the new statute mandates more severe criminal penalties (particularly for second offenders), the Research & Statistical Bureau of the Office of the Commissioner of Probation has compiled court-by-court data on drunk driver arraignments, to determine if the new law has had any impact on the frequency with which the system apprehends and prosecutes persons suspected of driving while intoxicated. Of particular concern is the frequency of drunk driver arraignments in September, 1982 as compared to the months prior to enactment of the new statute.

Method

The Office of the Commissioner of Probation receives monthly summaries of various key indicators of probation activity from all the 101 probation offices across the Commonwealth. One of the key indicators reported monthly by each of the district courts is the total number of arraignments for driving under the influence of liquor. Data for this report was gathered from these "Monthly Reports of Probation Activities", as submitted to the Research & Statistical Bureau, Office of the Commissioner of Probation.

Analysis

In order to assess the impact of Chapter 373 on the volume of drunk driving arraignments, the statewide annual volume of arraignments for driving under the influence of liquor were compared from 1976 to 1982. As the data in Table I indicates, drunk driver arraignments have nearly doubled -- from 17,419 in 1976 to 33,290 in 1982. The year-to-year rate of increase has fluctuated. The 16.3% increase from 1981 to 1982 was among the three large annual increases over the seven years analyzed; the shifts between 1979-1980 (+17.2%) and 1977-1978 (+16.4%) were also substantial. The 1979-1980 shift may be due in part to an earlier change in the law which raised the legal drinking age in Massachusetts from 18 to 20 in April, 1979.

While the 1982 arraignment data suggest active enforcement of the law, it may also be that legislative changes are preceded by considerable media/public attention on the subject of drunk driving. Thus, increased awareness of drunk driving as a priority criminal justice problem may impact on allocation of public safety resources to apprehend drunk drivers. As public attention wanes, these resources may be allocated elsewhere.

In addition to looking at the shifts in drunk driver arraignments from a longitudinal perspective, Research staff also analyzed arraignments in 1981 and 1982 for individual courts (see table 2). In 1982, Worcester District Court reported the highest number of drunk driver arraignments (1459); six other courts reported 1,000 or more driving under the influence of liquor cases in 1982: Springfield (1255), Quincy (1190), Lawrence (1181), Lowell (1126), Barnstable (1048) and Chelsea (1042). These seven courts represented nearly 25% of all drunk driving arraignments statewide in 1982.

As the data in Table 2 indicates, while the statewide volume of drunk driver arraignments increased 16.3%, this pattern was not uniform across all the Massachusetts district courts. Some courts (such as Amesbury, Brighton, Brookline, Charlestown, Chelsea, Clinton, Dorchester, East Boston, Marlboro, Natick, Uxbridge, Westboro and Worcester) reported increases of 40% or more. A few courts (such as Chicopee, New Bedford, Salem, Winchendon) reported substantial declines in drunk driver arraignments.

Several factors may account for these differences from court to court. Allocation of police resources is perhaps the most direct reason for increases in drunk driver arraignments. If more police officers are looking for drunk drivers, the probability is high that there will be more arrests.

Secondly, in at least one instance (Charlestown), shifts in the police jurisdiction line for Metropolitan District Commission police from Boston Municipal Court to Charlestown Court produced a substantial increase in the volume of drunk driver arraignments for Charlestown District Court.

Third, even with a stable number of police officers in a given community, the public's growing intolerance for drunk drivers may be focusing more law enforcement apprehension efforts in that direction. The publicity from several heinous traffic accidents where innocent victims were killed by drunk drivers has reinforced the need to recognize drunk driving as a serious criminal justice problem.

While the data on annual court-by-court shifts have some limited value in assessing the impact of the new drunk driver legislation, closer scrutiny on a month-to-month, court-by-court basis addresses the immediate ramifications of the law. One might have expected that the monthly frequency of drunk driver arraignments to increase dramatically in September, 1982. Looking at the detailed statistical data in Table 3, the statewide volume of driving under the influence of liquor cases did not increase precipitously in September. In fact, in 1982, the month of September accounted for 8.3% of the annual volume -exactly as predicted by a normal probability distribution.

Analyzing the month-to-month shifts in drunk driver arraignments in the individual district courts, the data indicates that for the most part, drunk driving is not a seasonal problem. Only in a few courts (such as Barnstable, Edgartown, Orleans) are there patterns of seasonal shifts in drunk driver arraignments. These shifts seem largely to be a product of summer movement of the population toward resort areas. Drunk driving traditionally receives extensive media attention prior to the New Year's, Memorial Day, Independence Day, Labor Day, Thanksgiving and Christmas holidays. However, of interest is the stable volume of drunk driving throughout the year. People who drink to excess and then drive do so year round, not just around holidays. In both 1981 and 1982 the month of March had the highest number of drunk driver arraignments statewide when compared to the other months of the year.

Looking closely at the volume of drunk driver arraignments in September, 1982, most the courts reported little or no increased volume during that month. Only a few courts (such as Ayer, Dudley, Framingham, Hingham, Holyoke, Northampton, Orange, Worcester) reported more drunk driver arraignments in September, 1982 than in prior months of the year. Looking back to the month-to-month arraignment volume in the previous year, Ayer and Northampton reported increases in September, 1981 -- somewhat negating the significance of the increased frequency in September, 1982.

Perhaps more significant than the volume of drunk driver arraignments in the one month of September, 1982 is the general trend toward more drunk driver cases in all months when 1982 was compared to 1981. Statewide (see Table 3), every month of 1982 had more "driving under the influence" cases than did the same month in 1981. Many individual courts followed this same pattern.

Summary of Findings

The data indicates that arraignments for drunk driving increased 16.3% from 1981 to 1982. Some courts reported increases of 40% or more when 1982 was compared to 1981; a few courts reported a decline in drunk driver arraignments during that period.

When the monthly statewide totals in 1982 were compared to month-by-month totals in 1981, every month had a higher volume in 1982. September, 1982 did not reflect a sharp increase in drunk driver arraignments, nor was that month the highest in 1982. In both 1981 and 1982, the volume of drunk driver arraignments was highest in the month of March.

This Massachusetts data indicates that the enactment of more stringent criminal penalties (Chapter 373 of the Acts of 1982) does not appear to be solely related to more arraignments for drunk driving. However, the on-going media attention to alcohol-related traffic accidents and coverage of legislative proposals may have produced a higher number of drunk driving arraignments during the entire year of 1982. It may be that heightened awareness of the problem may have been as significant as the actual legislative change itself.

COMMONWEALTH OF MASSACHUSETTS

TABLE 1: DRIVING UNDER THE INFLUENCE OF LIQUOR
STATEWIDE VOLUME OF ARRAIGNMENTS (1976-1982)

<u>YEAR</u>	<u>Statewide Total of DUIL Arraignments</u>	<u>Percent Change from Prior Year</u>
1976	17,419	----
1977	20,275	+ 16.4%
1978	20,912	+ 3.1%
1979	23,080	+ 10.4%
1980	27,040	+ 17.2%
1981	28,625	+ 5.9%
1982	33,290	+ 16.3%

COMMONWEALTH OF MASSACHUSETTS

TABLE 2: DRIVING UNDER THE INFLUENCE OF LIQUOR
COURT-BY-COURT VOLUME OF ARRAIGNMENTS (1981-1982)

COURT NAME	DUIL 1981	DUIL 1982	Percent Change	COURT NAME	DUIL 1981	DUIL 1982	Percent Change
Adams	85	73	- 14.1%	Natick	111	161	+ 45.0%
Amesbury	256	379	+ 48.0%	New Bedford	477	382	- 19.9%
Attleboro	621	734	+ 18.2%	Newburyport	415	364	- 12.3%
Ayer	493	498	+ 1.0%	Newton	258	307	+ 19.0%
Barnstable	924	1048	+ 13.4%	North Adams	180	160	- 11.1%
Boston	262	229	- 12.6%	Northampton	697	806	+ 15.6%
Brighton	116	210	+ 81.0%	Orange	110	111	+ 0.9%
Brockton	781	908	+ 16.3%	Orleans	380	444	+ 16.8%
Brookline	122	245	+100.8%	Palmer	498	438	- 12.0%
Cambridge	444	601	+ 35.4%	Peabody	458	508	+ 10.0%
Charlestown	18	221	+1127.8%	Pittsfield	266	326	+ 22.6%
Chelsea	675	1042	+ 54.4%	Plymouth	546	561	+ 2.7%
Chicopee	246	174	- 29.3%	Quincy	1190	1190	0%
Clinton	288	409	+ 42.0%	Roxbury	202	263	+ 30.2%
Concord	753	795	+ 5.0%	Salem	776	636	- 18.0%
Dedham	563	728	+ 29.3%	Somerville	353	383	+ 8.5%
Dorchester	197	300	+ 52.3%	S. Boston	108	138	+ 27.8%
Dudley	421	523	+ 24.2%	Spencer	377	383	+ 1.6%
E. Boston	70	111	+ 58.6%	Springfield	1144	1255	+ 9.7%
Edgartown	73	131	+ 79.5%	Stoughton	414	332	- 19.8%
Fall River	489	542	+ 10.8%	Taunton	607	800	+ 31.8%
Fitchburg	232	272	+ 17.2%	Uxbridge	177	268	+ 51.4%
Framingham	816	948	+ 16.2%	Waltham	339	374	+ 10.3%
Gardner	275	253	- 8.0%	Ware	43	49	+ 14.0%
Gloucester	229	281	+ 22.7%	Wareham	456	594	+ 30.3%
Gr. Barrington	74	64	- 13.5%	Westboro	308	435	+ 41.2%
Greenfield	274	253	- 7.7%	Westfield	286	276	- 3.5%
Haverhill	338	471	+ 39.3%	W. Roxbury	255	298	+ 16.9%
Hingham	734	991	+ 35.0%	Winchendon	60	38	- 36.7%
Holyoke	238	240	+ 0.8%	Woburn	609	622	+ 2.1%
Ipswich	70	71	+ 1.4%	Worcester	1009	1459	+ 44.6%
Lawrence	972	1181	+ 21.5%	Wrentham	445	410	- 7.9%
Lee	100	135	+ 35.0%				
Leominster	238	286	+ 20.2%				
Lowell	968	1126	+ 16.3%	STATEWIDE			
Lynn	563	644	+ 14.4%	TOTAL	28,625	33,290	+ 16.3%
Malden	535	589	+ 10.1%				
Marlboro	165	348	+110.0%				
Milford	297	411	+ 38.4%				
Nantucket	56	54	- 3.6%				

TABLE 3: DRIVING UNDER THE INFLUENCE OF LIQUOR -- ARRAIGNMENTS BY MONTH BY COURT

COURT NAME	YEAR	Jan		Feb		Mar		Apr		May		Jun		Jul		Aug		Sep		Oct		Nov		Dec		TOTAL #	
		#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%		
ADAMS	1981	5	5.9	6	7.1	5	5.9	10	11.8	6	7.1	13	15.3	6	7.1	8	9.4	17	8.2	7	8.2	6	7.1	6	7.1	85	10
	1982	6	8.2	9	12.3	12	16.4	8	11.0	6	8.2	9	12.3	4	5.5	3	4.1	3	4.1	4	5.5	4	5.5	5	6.8	73	99
AMESBURY	1981	29	11.3	30	11.7	20	7.8	21	8.2	17	6.6	15	5.9	28	10.9	31	12.1	25	9.8	13	5.1	13	5.1	14	5.4	256	99
	1982	24	6.3	29	7.7	19	5.0	33	8.7	26	6.9	38	10.0	45	11.9	34	9.0	43	11.3	16	4.2	32	8.4	40	10.6	379	100
ATTLEBORO	1981	58	9.3	55	8.9	74	11.9	53	8.5	50	8.1	33	5.3	43	6.9	46	7.4	46	7.4	51	8.2	53	8.5	59	9.5	621	99
	1982	38	5.1	55	7.4	80	10.9	85	11.6	92	12.5	61	8.3	60	8.2	58	7.9	54	7.4	42	5.7	55	7.5	54	7.4	734	99
AYER	1981	40	8.1	37	7.5	50	10.1	48	9.7	35	7.1	32	6.5	40	8.1	39	7.9	52	10.5	41	8.3	37	7.5	42	8.5	493	99
	1982	21	4.2	33	6.6	54	10.8	33	6.6	44	8.8	55	11.0	50	10.0	26	5.2	57	11.4	33	6.6	44	8.8	48	9.6	498	99
BARNSTABLE	1981	40	4.3	79	8.5	91	9.8	74	8.0	68	7.4	101	10.9	88	9.5	104	11.3	87	9.4	65	7.0	66	7.1	61	6.6	924	99
	1982	53	5.1	52	5.0	68	6.5	83	7.9	72	6.9	126	12.0	132	12.6	163	15.6	105	10.0	70	6.7	58	5.5	66	6.3	1048	100
BOSTON MUNICIPAL	1981	21	8.0	21	8.0	30	11.4	30	11.4	22	8.4	12	4.6	13	5.0	19	7.3	19	7.3	19	7.3	24	9.2	32	12.2	262	100
	1982	24	10.5	17	7.4	25	10.9	17	7.4	16	7.0	20	8.7	22	9.6	16	7.0	17	7.4	19	8.3	21	9.2	15	6.6	229	100
BRIGHTON	1981	19	16.4	2	1.7	10	8.6	10	8.6	5	4.3	12	10.3	11	9.6	8	6.9	12	10.3	8	6.9	10	8.6	9	7.8	116	99
	1982	13	6.2	28	13.3	21	10.0	22	10.5	13	6.2	11	5.2	6	2.8	23	11.0	23	11.0	18	8.6	19	9.0	13	6.2	210	100
BROCKTON	1981	54	6.9	48	6.1	48	6.1	89	11.4	72	9.2	68	8.7	65	8.3	51	6.5	76	9.7	66	8.5	47	6.0	97	12.4	781	99
	1982	68	7.5	73	8.0	94	10.4	81	8.9	72	7.9	74	8.1	51	5.6	58	6.4	84	9.3	70	7.7	91	10.0	92	10.1	908	99
BROOKLINE	1981	10	8.2	11	9.0	12	9.8	7	5.7	16	13.1	7	5.7	4	3.3	6	4.9	13	10.7	13	10.7	11	9.0	12	9.8	122	99
	1982	16	6.5	15	6.1	23	9.4	16	6.5	32	13.1	26	10.6	16	6.5	18	7.3	24	9.8	19	7.8	16	6.5	24	9.8	245	99
CAMBRIDGE	1981	32	7.2	42	9.5	47	10.6	51	11.5	33	7.4	28	6.3	31	7.0	30	6.8	33	7.4	45	10.1	35	7.9	37	8.3	444	100
	1982	40	6.6	52	8.7	79	13.1	50	8.3	48	8.0	48	8.0	30	5.0	60	10.0	48	8.0	51	8.5	44	7.3	51	8.5	601	10
CHARLESTOWN	1981	2	11.1	1	5.5	3	16.7	1	5.0	1	5.6	1	5.6	0	0	1	5.6	0	0	1	5.6	4	22.2	3	16.7	18	100
	1982	6	2.7	22	10.0	24	10.9	16	7.2	12	5.4	22	10.0	13	5.9	14	6.3	21	9.5	21	9.5	30	13.6	20	9.0	221	100
CHELSEA	1981	52	7.7	51	7.6	50	7.4	53	7.9	53	7.9	58	8.6	58	8.6	70	10.4	63	9.3	59	8.7	49	7.3	59	8.7	675	100
	1982	66	6.3	85	8.2	113	10.8	89	8.5	77	7.4	106	10.2	80	7.7	80	7.7	87	8.3	80	7.7	85	8.2	94	9.0	1042	10
CHICOPEE	1981	21	8.5	15	6.0	30	12.2	25	10.2	22	8.9	24	9.8	20	8.1	22	8.9	25	10.2	20	8.1	9	3.7	13	5.3	246	99
	1982	12	6.9	17	9.8	16	9.2	13	7.5	12	6.9	16	9.2	11	6.3	16	9.2	17	9.8	16	9.2	15	8.6	13	7.5	174	100
CLINTON	1981	17	5.9	23	8.0	24	8.3	29	10.1	15	5.2	30	10.4	27	9.4	25	8.7	21	7.3	27	9.4	22	7.6	28	9.7	288	100
	1982	30	7.3	31	7.6	33	8.1	36	8.8	38	9.3	33	8.1	30	7.3	48	11.7	33	8.1	27	6.6	30	7.3	40	9.8	409	10

DRIVING UNDER THE INFLUENCE OF LIQUOR -- ARRAIGNMENTS BY MONTH BY COURT

COURT NAME	YEAR	Jan		Feb		Mar		Apr		May		Jun		Jul		Aug		Sep		Oct		Nov		Dec		TOTAL #	
		#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%		
CONCORD	1981	74	9.8	60	8.0	71	9.4	50	6.6	48	6.4	80	10.6	72	9.6	65	8.6	63	8.4	56	7.4	59	7.8	55	7.3	753	99
	1982	49	6.2	69	8.7	90	11.3	90	11.3	69	8.7	71	8.9	64	8.1	59	7.4	40	5.0	60	7.5	61	7.7	73	9.2	1995	10
DEDHAM	1981	50	8.9	49	8.7	52	9.2	41	7.3	41	7.3	48	8.5	37	6.6	38	6.7	46	8.2	45	8.0	43	7.6	73	13.0	563	10
	1982	41	5.6	54	7.4	63	8.7	74	10.2	46	6.3	72	9.9	56	7.7	56	7.7	59	8.1	56	7.7	69	9.5	82	11.3	728	10
DORCHESTER	1981	24	12.2	18	9.1	19	9.6	23	11.7	14	7.1	14	7.1	6	3.0	12	6.1	18	9.1	12	6.1	23	11.7	14	7.1	197	99
	1982	23	7.7	21	7.0	33	11.0	35	11.9	8	2.7	18	6.0	20	6.7	32	10.7	28	9.3	25	8.3	25	8.3	32	10.7	300	100
DUDLEY	1981	33	7.8	27	6.4	54	12.8	27	6.4	38	9.0	38	9.0	36	8.6	30	7.1	31	7.4	28	6.7	32	7.6	47	11.2	421	10
	1982	38	7.3	39	7.5	38	7.3	46	8.8	46	8.8	39	7.5	34	6.5	31	5.9	66	12.6	49	9.4	56	10.7	41	7.8	523	100
EAST BOSTON	1981	2	2.9	5	7.1	9	12.9	2	2.9	8	11.4	11	15.7	7	10.0	1	1.4	7	10.0	5	7.1	7	10.0	6	8.6	70	100
	1982	3	2.7	7	6.3	18	16.2	2	1.8	9	8.1	12	10.8	6	5.4	6	5.4	10	9.0	14	12.6	11	9.9	13	11.7	111	99
EDGARTOWN	1981	2	2.7	3	4.1	4	5.5	5	6.8	10	13.7	14	19.2	9	12.3	7	9.6	6	8.2	5	6.8	4	5.5	4	5.5	73	99
	1982	7	5.3	11	8.4	5	3.8	9	6.9	10	7.6	17	13.0	19	14.5	21	16.0	9	6.9	10	7.6	5	3.8	8	6.1	131	99
FALL RIVER	1981	34	7.0	43	8.8	44	9.0	46	9.4	50	10.2	53	10.8	36	7.4	42	8.6	33	6.7	29	5.9	42	8.6	37	7.6	489	10
	1982	39	7.2	29	5.4	47	8.7	43	7.9	42	7.7	51	9.4	37	6.8	56	10.3	44	8.1	50	9.2	42	7.7	62	11.4	542	99
FITCHBURG	1981	16	6.9	21	9.1	24	10.3	21	9.1	19	8.2	11	4.7	16	6.9	16	6.9	23	9.9	28	12.1	19	8.2	18	7.8	232	100
	1982	19	7.0	18	6.6	48	17.6	31	11.4	30	11.0	27	9.9	18	6.6	18	6.6	17	6.3	18	6.6	14	5.1	14	5.1	272	99
FRAMINGHAM	1981	67	8.2	59	7.2	75	9.2	71	8.7	75	9.2	66	8.1	52	6.4	71	8.7	52	6.4	64	7.8	77	9.4	87	10.7	816	100
	1982	63	6.6	65	6.9	89	9.4	81	8.5	76	8.0	72	7.6	69	7.3	69	7.3	98	10.3	76	8.0	81	8.5	109	11.5	948	9
GARDNER	1981	20	7.3	28	10.2	25	9.1	19	6.9	17	6.2	22	8.0	21	7.6	28	10.2	18	6.5	28	10.2	26	9.5	23	8.4	275	100
	1982	12	4.7	9	3.6	36	14.2	22	8.7	24	9.5	21	8.3	15	5.9	13	5.1	25	9.9	21	8.3	32	12.6	23	9.1	253	99
GLOUCESTER	1981	14	6.1	17	7.4	22	9.6	16	7.0	11	4.8	22	9.6	15	6.6	23	10.0	28	12.2	19	8.3	21	9.2	21	9.2	229	100
	1982	11	3.9	20	7.1	24	8.5	20	7.1	23	8.2	27	9.6	18	6.4	18	6.4	25	8.9	27	9.6	31	11.0	37	13.2	281	99
GREAT BARRINGTON	1981	4	5.4	6	8.1	7	9.5	5	6.8	7	9.5	5	6.8	10	13.5	7	9.5	7	9.5	3	4.1	6	8.1	7	9.4	74	100
	1982	4	6.3	3	4.7	2	3.1	8	12.5	6	9.4	3	4.7	2	3.1	10	15.6	7	10.9	13	20.3	3	4.7	3	4.7	64	100
GREENFIELD	1981	21	7.7	29	10.6	29	10.6	24	8.8	29	10.6	28	10.2	15	5.5	16	5.8	20	7.3	19	6.9	27	9.9	17	6.2	274	100
	1982	17	6.7	17	6.7	22	8.7	15	5.9	20	7.9	38	15.0	17	6.7	19	7.5	24	9.5	20	7.9	25	9.9	19	7.5	253	99
HAVERHILL	1981	7	2.1	21	6.2	29	8.6	39	11.5	25	7.4	45	13.3	17	5.0	33	9.8	32	9.5	36	10.7	24	7.1	30	8.9	338	100
	1982	26	5.5	33	7.0	63	13.4	45	9.6	25	5.3	55	11.7	37	7.9	24	5.1	39	8.3	55	11.7	31	6.6	38	8.1	471	100

DRIVING UNDER THE INFLUENCE OF LIQUOR -- ARRAIGNMENTS BY MONTH BY COURT

COURT NAME	YEAR	Jan		Feb		Mar		Apr		May		Jun		Jul		Aug		Sep		Oct		Nov		Dec		TOTAL #	
		#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%		
HINGHAM	1981	59	8.0	50	6.8	67	9.1	60	8.2	55	7.5	61	8.3	51	6.9	80	10.9	62	8.4	68	9.3	69	9.4	52	7.1	734	99
	1982	48	4.3	76	7.6	86	8.7	73	7.3	78	7.9	84	8.5	92	9.3	96	9.7	98	9.9	93	9.4	87	8.8	80	8.1	991	100.
HOLYOKE	1981	28	11.8	25	10.5	18	7.6	16	6.7	22	9.2	26	10.9	23	9.7	24	10.1	15	6.3	7	2.9	19	8.0	15	6.3	238	100.
	1982	15	6.3	16	6.3	11	4.6	23	9.6	14	5.8	14	5.8	8	3.3	2	1.8	28	11.7	40	16.7	41	17.1	29	12.1	240	100.
IPSWICH	1981	6	8.6	4	5.7	5	7.1	5	7.1	6	8.6	3	4.3	3	4.3	9	12.9	6	8.6	8	11.4	7	10.0	8	11.4	70	100.
	1982	3	4.2	4	5.6	5	7.0	7	9.9	2	2.8	6	8.5	6	8.5	9	12.7	5	7.0	8	11.3	8	11.3	8	11.3	71	100.
LAWRENCE	1981	57	5.9	59	6.1	60	6.2	90	9.3	80	8.2	90	9.3	76	7.8	97	10.0	79	8.1	77	7.9	109	11.2	98	10.1	972	100.
	1982	113	9.6	103	8.7	83	7.9	83	7.0	114	9.7	122	10.3	87	7.4	85	7.2	68	5.8	78	6.6	126	10.7	109	9.2	1181	100.
LEE	1981	4	4.0	11	11.0	7	7.0	8	8.0	11	11.0	8	8.0	10	10.0	2	2.0	11	11.0	9	9.0	7	7.0	12	12.0	100	100.
	1982	3	2.2	6	4.4	11	8.1	13	9.6	21	15.6	8	5.9	15	11.1	20	14.8	10	7.4	11	8.1	9	6.7	8	5.9	135	99.
LEDMINSTER	1981	26	10.9	26	10.9	22	9.2	18	7.6	19	8.0	15	6.3	15	6.3	16	6.7	17	7.1	20	8.4	25	10.5	19	8.0	238	99.5
	1982	17	5.9	22	7.7	38	13.3	37	12.9	27	9.4	28	9.8	19	6.6	15	5.2	18	6.3	28	9.8	17	5.9	20	7.0	286	99.
LOWELL	1981	63	6.5	105	10.8	103	10.6	78	8.1	75	7.7	73	7.5	70	7.2	82	8.5	77	8.0	83	8.6	83	8.6	76	7.9	968	100.
	1982	70	6.2	79	7.0	96	8.5	105	9.3	96	8.5	96	8.5	84	7.5	94	8.3	82	7.3	83	7.4	119	10.6	122	10.8	1126	99
LYNN	1981	46	8.2	43	7.6	37	6.6	48	8.5	48	8.5	46	8.2	45	8.0	52	9.2	49	8.7	59	10.5	45	8.0	45	8.0	563	100.
	1982	42	6.5	38	5.9	66	10.2	44	6.8	63	9.8	68	10.6	38	5.9	52	8.1	53	8.2	55	8.5	65	10.1	60	9.3	644	99
MALDEN	1981	36	6.7	25	4.7	34	6.4	60	11.2	57	10.7	67	12.5	37	6.9	53	9.9	40	7.5	42	7.9	33	6.2	51	9.5	535	100.
	1982	48	8.1	43	7.3	61	10.4	63	10.7	34	5.8	43	7.3	49	8.3	44	7.5	46	7.8	47	8.0	57	9.7	54	9.2	589	100.
MARLBORO	1981	15	9.1	16	9.7	18	10.9	9	5.5	9	5.5	12	7.3	12	7.3	15	9.1	13	7.9	17	10.3	16	9.7	13	7.9	165	100.2
	1982	22	6.3	26	7.5	28	8.0	25	7.2	22	6.3	47	13.5	21	6.0	26	7.5	34	9.8	24	6.9	35	10.1	38	10.9	348	100.
MILFORD	1981	14	4.7	21	7.1	24	8.1	19	6.4	24	8.1	18	6.1	19	6.4	29	9.8	25	8.4	31	10.4	35	11.8	38	12.8	297	100.
	1982	26	6.3	33	8.0	48	11.7	31	7.5	51	12.4	34	8.3	32	7.8	32	7.8	26	6.3	27	6.6	28	6.8	43	10.5	411	100.
NANTUCKET	1981	1	1.8	4	7.1	3	5.4	0	0	3	5.4	8	14.3	9	16.1	13	23.2	5	8.9	1	1.8	4	7.1	5	8.9	56	100.
	1982	1	1.9	4	7.4	8	14.8	6	11.1	5	9.3	7	13.0	6	11.1	6	11.1	1	1.9	6	11.1	4	7.4	0	0	54	100.
NATICK	1981	4	3.6	6	5.4	14	12.6	7	6.3	4	3.6	6	5.4	5	4.5	9	8.1	7	6.3	18	16.2	14	12.6	17	15.3	111	99.9
	1982	19	11.8	12	7.5	18	11.2	11	6.8	14	8.7	6	3.7	12	7.5	13	8.1	9	5.6	20	12.4	14	8.7	13	8.1	161	100.
NEW BEDFORD	1981	23	4.8	57	11.9	48	10.1	39	8.2	31	6.5	52	10.9	36	7.5	39	8.2	52	10.9	33	6.9	31	6.5	36	7.5	477	99.
	1982	23	6.0	29	7.6	37	9.7	36	9.4	27	7.1	27	7.1	28	7.3	19	5.0	31	8.1	41	10.7	43	11.3	41	10.7	382	100.

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		#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%		
NEWBURYPORT	1981	29	7.0	34	8.2	32	7.7	50	12.0	35	8.4	31	7.5	26	6.3	29	7.0	40	9.6	38	9.2	34	8.2	37	8.9	415	10
	1982	38	10.4	37	10.2	43	11.2	25	6.9	26	7.1	31	8.5	31	8.5	20	5.5	31	8.5	21	5.8	33	9.1	28	7.7	364	10
NEWTON	1981	12	4.7	19	7.4	14	5.4	25	9.7	17	6.6	23	8.9	23	8.9	18	7.0	18	7.0	24	9.3	28	10.9	37	14.3	258	100.
	1982	18	5.9	19	6.2	41	13.4	28	9.1	24	7.8	26	8.5	20	6.5	22	7.2	33	10.7	30	9.8	20	6.5	26	8.5	307	100
NORTH ADAMS	1981	9	5.0	6	3.3	13	7.2	16	8.9	13	7.2	8	4.4	11	6.1	9	5.0	32	17.8	13	7.2	38	21.1	12	6.7	180	99.
	1982	9	5.6	13	8.1	12	7.5	15	9.4	17	10.6	19	11.9	22	13.8	16	10.0	5	3.1	15	9.4	9	5.6	8	5.0	160	10.
NORTHAMPTON	1981	67	9.6	52	7.5	60	8.6	54	7.7	68	9.8	55	7.9	47	6.7	51	7.3	67	9.6	54	7.7	60	8.6	62	8.9	697	99.
	1982	67	8.3	66	8.2	74	9.2	56	6.9	63	7.8	56	6.9	47	5.8	62	7.7	75	9.3	69	8.6	93	11.5	78	7.7	806	99.
ORANGE	1981	6	5.5	9	8.2	9	8.2	9	8.2	9	8.2	9	8.2	9	8.2	9	8.2	9	8.2	9	8.2	9	8.2	14	12.7	110	100.
	1982	8	7.2	6	5.4	5	4.5	11	9.9	8	7.2	11	9.9	7	6.3	8	7.2	15	13.5	7	6.3	10	9.0	15	13.5	111	99.
ORLEANS	1981	18	4.7	18	4.7	22	5.8	17	4.5	32	8.4	39	10.3	61	16.1	79	20.8	30	7.9	24	6.3	22	5.8	18	4.7	380	10
	1982	18	4.1	23	5.2	38	8.6	27	6.1	33	9.4	77	17.3	38	8.6	68	15.3	47	10.6	23	5.2	27	6.1	25	5.6	444	100
PALMER	1981	31	6.2	38	7.6	48	9.6	55	11.0	46	9.2	39	7.8	40	8.0	36	7.2	43	8.6	38	7.6	48	9.6	36	7.2	498	99.
	1982	25	5.7	32	7.3	48	11.0	31	7.1	40	9.1	36	8.2	32	7.3	42	9.6	34	7.8	35	8.0	35	8.0	48	11.0	438	100.
PEABODY	1981	40	8.7	43	9.4	45	9.8	27	5.9	24	5.2	17	3.7	36	7.9	49	10.7	43	9.4	47	10.3	48	10.5	39	8.5	458	10.
	1982	44	8.7	44	8.7	60	11.8	50	9.8	47	9.3	38	7.5	44	8.7	36	7.1	36	7.1	33	6.5	43	8.5	33	6.5	508	10.
PITTSFIELD	1981	15	5.6	16	6.0	36	13.5	12	4.5	23	8.6	20	7.5	21	7.9	26	9.8	19	7.1	25	9.4	23	8.6	30	11.3	266	99
	1982	22	6.7	18	5.5	24	7.4	18	5.5	25	7.7	42	12.9	23	7.1	48	14.7	36	11.0	23	7.1	32	9.8	15	4.6	326	10
PLYMOUTH	1981	39	7.1	39	7.1	57	10.4	36	6.6	43	7.9	42	7.7	39	7.1	34	6.2	30	5.5	83	15.2	61	11.2	43	7.9	546	99
	1982	37	6.6	38	6.8	39	7.0	38	6.8	48	8.6	50	8.9	51	9.1	53	9.4	49	8.7	62	11.1	59	10.5	37	6.6	561	100
QUINCY	1981	91	7.6	138	11.6	95	8.0	106	8.9	106	8.9	106	8.9	75	6.3	96	8.1	79	6.6	105	8.8	99	8.3	94	7.9	1190	99.
	1982	91	7.6	89	7.5	138	11.6	113	9.5	97	8.2	102	8.6	70	5.9	99	8.3	83	7.0	86	7.2	113	9.5	109	9.2	1190	100
ROXBURY	1981	18	8.9	28	13.9	18	8.9	21	10.4	22	10.9	14	6.9	11	5.4	11	5.4	12	5.9	19	9.4	12	5.9	16	7.9	202	99
	1982	12	4.6	18	6.8	32	12.2	24	9.1	21	8.0	26	9.9	8	3.0	24	9.1	21	8.0	21	8.0	38	14.4	18	6.8	263	99.
SALEM	1981	57	6.6	61	7.9	51	6.6	75	9.7	64	8.2	82	10.6	67	8.6	59	7.6	69	8.9	55	7.1	75	9.7	67	8.6	776	100
	1982	38	6.0	58	9.1	57	9.0	49	7.7	34	5.3	79	12.4	33	5.2	46	7.2	51	8.0	65	10.2	70	11.0	56	8.8	636	99.
SOMERVILLE	1981	14	4.0	22	6.2	46	13.0	47	13.3	35	9.9	34	9.6	24	6.8	17	4.8	25	7.1	27	7.6	25	7.1	37	10.5	353	99
	1982	23	6.0	38	9.9	44	11.5	33	8.6	36	9.4	35	9.1	13	3.4	25	6.5	30	7.8	34	8.9	41	10.7	31	8.1	383	99.

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		#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%		
SOUTH BOSTON	1981	10	9.3	10	9.3	6	5.6	15	13.9	9	8.3	10	9.3	4	3.7	4	3.7	9	8.3	15	13.9	3	2.8	13	12.0	108	100
	1982	7	5.1	9	6.5	4	2.9	15	10.9	12	8.7	8	5.8	19	13.8	3	2.2	12	8.7	13	9.4	14	10.1	22	15.9	138	10
SPENCER	1981	25	6.6	36	9.5	40	10.6	18	4.8	34	9.0	34	9.0	23	6.1	26	6.9	36	9.5	39	10.3	37	9.8	29	7.7	377	99
	1982	28	7.3	32	8.4	41	10.7	36	9.4	23	6.0	31	8.1	34	8.9	32	8.4	29	7.6	20	5.2	36	9.4	41	10.7	383	100
SPRINGFIELD	1981	90	7.9	78	6.8	104	9.1	110	9.6	87	7.6	96	8.4	65	5.7	91	8.0	93	8.1	102	8.9	125	10.9	103	9.0	1144	100
	1982	95	7.6	82	6.5	107	8.5	106	8.4	110	8.8	117	9.3	69	5.5	114	9.1	95	7.6	101	8.0	123	9.8	136	10.8	1255	99
STOUGHTON	1981	28	6.8	45	10.9	45	10.9	43	10.4	27	6.5	26	6.3	23	5.6	49	11.8	36	8.7	27	6.5	38	9.2	27	6.5	414	100
	1982	31	9.3	22	6.6	36	10.8	17	5.1	36	10.8	38	11.4	22	6.6	18	5.4	30	9.0	25	7.5	24	7.2	33	9.9	332	99
TAUNTON	1981	54	8.9	45	7.4	48	7.9	33	5.4	53	8.7	64	10.5	38	6.3	52	8.6	42	6.9	53	8.7	61	10.0	64	10.5	607	99
	1982	51	6.4	64	9.0	64	8.0	55	6.9	74	9.3	64	8.0	29	8.6	63	7.9	60	7.5	84	10.5	39	11.1	63	7.9	800	100
UXBRIDGE	1981	12	6.8	12	6.8	13	7.3	26	14.7	14	7.9	18	10.2	18	10.2	12	6.8	13	7.3	19	10.7	12	6.8	8	4.5	177	10
	1982	21	7.8	20	7.5	42	15.7	23	8.6	20	7.5	21	7.8	14	5.2	18	6.7	21	7.8	15	5.6	29	10.8	24	9.0	268	10
WALTHAM	1981	26	7.7	26	7.7	29	8.6	31	9.1	20	5.9	41	12.1	26	7.7	21	6.2	21	6.2	27	8.0	38	11.2	33	9.7	377	100
	1982	19	5.1	33	8.8	43	11.5	34	9.1	26	7.0	41	11.0	25	6.7	25	6.7	27	7.2	26	7.0	36	9.6	39	10.4	374	100
WARE	1981	1	2.3	5	11.6	5	11.6	5	11.6	9	20.9	4	9.3	1	2.3	2	4.7	1	2.3	1	2.3	3	7.0	6	14.0	43	99
	1982	5	10.2	4	8.2	6	12.2	4	8.2	2	4.1	3	6.1	6	12.2	4	8.2	5	10.2	1	2.0	7	14.3	2	4.1	49	100
WAREHAM	1981	22	4.8	31	6.8	31	6.8	42	9.2	36	7.9	38	8.3	38	8.3	58	12.7	54	11.8	39	8.6	28	6.1	39	8.6	456	99
	1982	23	3.9	46	7.7	46	7.7	36	6.1	65	10.9	97	16.3	60	10.1	55	9.3	34	5.7	47	7.9	34	5.7	51	8.6	594	99
WESTBORO	1981	33	10.7	26	8.4	37	12.0	25	8.1	22	7.1	23	7.5	23	7.5	21	6.8	23	7.5	16	5.2	31	10.1	28	9.1	308	10
	1982	17	3.9	27	6.2	47	10.8	37	8.5	27	6.2	30	6.9	30	6.9	41	9.4	33	7.6	46	10.6	54	12.4	46	10.6	435	10
WESTFIELD	1981	27	9.4	27	9.4	27	9.4	13	4.5	14	4.9	30	10.5	20	7.0	23	8.0	39	13.6	24	8.4	16	5.6	26	9.1	286	99
	1982	16	5.8	19	6.9	20	7.2	19	6.9	27	9.8	31	11.2	21	7.6	29	10.5	25	9.1	25	9.1	21	7.6	23	8.3	276	10
WEST ROXBURY	1981	40	15.7	20	7.8	37	14.5	19	7.5	20	7.8	15	5.9	19	7.5	13	5.1	15	5.9	13	5.1	25	9.8	19	7.5	255	100
	1982	16	5.4	27	9.1	36	12.1	31	10.4	20	6.7	32	10.7	15	5.0	18	6.0	22	7.4	25	8.4	24	8.1	32	10.7	298	10
WINCHENDON	1981	8	13.3	7	11.7	3	5.0	3	5.0	7	11.7	6	10.0	2	3.3	6	10.0	6	10.0	3	5.0	4	6.7	5	8.3	60	100
	1982	3	7.9	4	10.5	3	7.9	2	5.3	2	5.3	4	10.5	4	10.5	8	21.1	2	5.3	2	5.3	2	5.3	2	5.3	38	100
WOBURN	1981	62	10.2	55	9.0	55	9.0	47	7.7	39	6.4	50	8.2	32	5.3	49	8.0	36	5.9	63	10.3	59	9.7	62	10.2	609	99
	1982	42	6.8	61	9.8	42	6.8	63	10.1	39	6.3	58	9.3	46	7.4	53	8.5	55	8.8	57	9.2	51	8.2	55	8.8	622	100

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		#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%
WORCESTER	1981	121	12.0	50	5.0	150	14.7	91	9.0	108	10.7	93	9.2	45	4.5	87	8.6	17	1.7	81	8.0	76	7.5	90	8.9	1009	10.1
	1982	109	7.5	120	8.2	128	8.8	115	7.9	124	8.5	127	8.7	88	6.0	108	7.4	132	9.0	114	7.8	153	10.5	141	9.7	1459	10.1
WRENTHAM	1981	28	6.3	30	6.7	38	8.5	40	9.0	44	9.9	32	7.2	25	5.6	43	9.7	44	9.9	46	10.3	46	10.3	29	6.5	445	9.9
	1982	39	9.5	27	6.6	54	13.2	25	6.1	30	7.3	31	7.6	37	9.0	38	9.3	34	8.3	25	6.1	40	9.8	30	7.3	410	10.0
STATEWIDE	1981	2177		2285		2632		2458		2331		2475		2086		2449		2322		2414		2477		2519		28,625	
			7.6%		8.0%		9.2%		8.6%		8.1%		8.6%		7.3%		8.6%		8.1%		8.4%		8.7%		8.8%		100%
	1982	2191		2499		3219		2796		2718		3119		2457		2758		2778		2691		3043		3021		33,290	
			6.6%		7.5%		9.7%		8.4%		8.2%		9.4%		7.4%		8.3%		8.3%		8.1%		9.1%		9.1%		100.1%