California
Hospital Outcomes Project

Heart Attack Outcomes

1996 -1998

Volume 3: Detailed Statistical Results

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2002

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Report on Heart Attack Outcomes in California, 1996-1998

Office of Statewide Health Planning and Development

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Acknowledgments

This volume represents the Office of Statewide Health Planning and Development's first hospital outcomes report produced by an in-house team. It draws upon the expertise of four new staff members--Steven Lubeck, Ph.D., Victor Simon, Yuan Qing (Cliff) Li, M.P.H., and Louise Hand--and benefits from Andra Zach's and Mary MacDonald's prior collaboration with university-based researchers on earlier reports.

The Office owes a substantial debt to Harold Luft, Ph.D., and Patrick Romano, M.D., M.P.H., who developed the original risk-adjustment models described in this report. We are also indebted to the programming staffs at U.C. San Francisco, U.C. Davis and U.C.L.A. who developed the computer programs used in earlier AMI reports. This volume profited from the considerable prior efforts of previous project teams.

Suggested Citation

Healthcare Quality and Analysis Division, *Report on Heart Attack Outcomes in California 1996-1998, Volume 3: Detailed Statistical Results,* Sacramento, CA: California Office of Statewide Health Planning and Development, February 2002.

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TABLE OF CONTENTS

Overview: Report on Heart Attack Outcomes in California: 1996-1998 1
The California Hospital Outcomes Project
Content of the Report on Heart Attack Outcomes

Section 1: Using this Volume 3
Relationship to Other Volumes of this Report
Statistical Significance and Hospital Classification

Section 2: Explanation of the Detailed Results 5
The Table, an Example
The Charts, an Example

Section 3: How Not to Use These Results 11
Interpreting Death Rates
Why Ranking is Inappropriate

Section 4: How These Data Might Be Used 15
Examine Individual Hospitals
Examine Groups of Hospitals

Section 5: Data File Record Layout 17

Section 6: Hospital-Specific Tables and Graphs 19
Alameda County 21
Amador County 33
Butte County 35
Calaveras County 40
Colusa County 42
Contra Costa County 44
Del Norte County 54
El Dorado County 56
Fresno County 59
Glenn County 70
Humboldt County 72
Imperial County 78
Inyo County 81
Kern County 84
Kings County 94
Lake County 97
Lassen County 100
Los Angeles County 102
Madera County 212
Marin County 215
Mariposa County 219
Mendocino County 221
Merced County 225
Modoc County 230
Mono County 233

TABLE OF CONTENTS, continued

Monterey County 235
Napa County 240
Nevada County 244
Orange County 247
Placer County 280
Plumas County 283
Riverside County 288
Sacramento County 306
San Benito County 317
San Bernardino County 319
San Diego County 337
San Francisco County 361
San Joaquin County 371
San Luis Obispo County 379
San Mateo County 385
Santa Barbara County 392
Santa Clara County 400
Santa Cruz County 413
Shasta County 416
Siskiyou County 420
Solano County 423
Sonoma County 428
Stanislaus County 438
Sutter County 445
Tehama County 447
Trinity County 449
Tulare County 451
Tuolumne County 458
Ventura County 461
Yolo County 470
Yuba County 473

Overview

Report on Heart Attack Outcomes in California: 1996 - 1998

The California Hospital Outcomes Project is an initiative mandated by the State of California, and conducted by the Office of Statewide Health Planning and Development (OSHPD), to develop public reports comparing hospital outcomes for selected conditions treated in hospitals throughout the state.

The Report on Heart Attack Outcomes is intended to encourage all California hospitals to improve their care and give credit to the hospitals that are the leaders. It can also help insurers, employers, and consumers to select hospitals based on quality of care.

The California Hospital Outcomes Project

Heart attacks (acute myocardial infarctions or AMI) were chosen as one of the first conditions to be reported upon by the California Hospital Outcomes Project because they are important, common, and deadly. Every year approximately 40,000 heart attack patients are admitted to 400 California hospitals. More than 5,000 of these persons die.

The mortality rates published in previous heart attack reports have been used in many ways. Hospitals have used their results to evaluate and improve their quality of care. Payers have used the reports to contract with the best hospitals. Consumers have used the reports to make more informed decisions.

The results published in this report are useful because:

- **They have been risk-adjusted.** Patient age, gender, type of heart attack, and chronic diseases were used to adjust for differences in patient risk when calculating hospital mortality rates.

- **They have been validated.** A major validation study involving nearly 1,000 heart attacks at 30 hospitals showed that variations in how hospitals report their data to OSHPD do not significantly affect their risk-adjusted death rates. In general, low-mortality hospitals treat heart attacks more aggressively than high-mortality hospitals.

Content of the Report on Heart Attack Outcomes

This report is the most recent in a series that began in 1993. This report includes heart attack cases from 1996 through 1998. It incorporates improvements in the risk-adjustment methodology introduced in earlier reports, including:

- Linking with Vital Statistics records to ascertain deaths occurring outside the hospital,
- Refining certain patient risk factor definitions based on the findings of the validation study published 1996; and
- Using six months of pre-heart attack hospital records to more completely describe patient risk factors.

This report consists of four volumes:

The **User's Guide** (Volume 1) is intended for all those interested in hospital performance including hospital staff, employers, government agencies, health plans, and insurance companies. This volume provides a brief description of the study background and methods. It also contains two tables that display the results for individual hospitals based on heart attacks that occurred between 1996 and 1998.

The **Technical Guide** (Volume 2) is intended for health services researchers, health care providers, and others interested in the statistical methods used to calculate risk-adjusted death rates.

The **Detailed Statistical Results** (Volume 3) contains the numerical results for individual hospitals upon which the classifications in the User's Guide are based. In addition, there are tables that aggregate the results to the county level. It also contains a graphical representation of both individual hospital and county-wide results, which can be used to examine annual trends.

The **Hospital Comment Letters** (Volume 4) is intended to give readers of the *Report on Heart Attack* an appreciation of its strengths and weaknesses from the hospitals' perspectives.

To obtain these volumes of the report contact:

Office of Statewide Health Planning and Development
Healthcare Information Resource Center
818 K Street, Room 500
Sacramento, CA 95814
(916) 326-3802

Documents excluding the *Hospital Guide, are* also available on the internet at **http:\\www.oshpd.state.ca.us**

Hospitals were provided with a *Hospital Guide* several weeks before the *Report on Heart Attack Outcomes* was published. This document accompanied each hospital's patient-specific data. Hospitals used this document to access and use their patient-specific data and to prepare their comment letters, provided in Volume 4. More importantly, hospitals and their physicians can use this information to target areas where heart attack care might be improved.

Section 1

Using this Volume

This document describes the hospital-specific statistics developed by the California Hospital Outcomes Project and discusses appropriate ways to use these statistics. The statistics are available in two media: as part of this document, which contains one table for each hospital beginning on page 19, or in a file available on OSHPD's web page (www.oshpd.state.ca.us/hpp/chop) which contains one record for each hospital and one record for each county. The only difference between the two versions is that the printed version presents numbers that are rounded off to have fewer digits.

Relationship to Other Volumes of this Report

The purpose of this volume of the *Report on Heart Attack Outcomes* is to provide and explain the detailed statistics associated with heart attack (i.e., acute myocardial infarction or AMI) mortality in California hospitals. It also suggests appropriate uses for these detailed data and explains why certain uses would be inappropriate.

The *User's Guide* (Volume 1) describes the data and summarizes the methods used in the analysis of risk-adjusted heart attack mortality. Statistical methods were used to determine whether each hospital's AMI death rate was significantly higher or lower than the general AMI death rate for the State. The results, using aggregated 1994-1996 data, are presented in two charts in the *User's Guide.* The first chart classifies each hospital into one of four categories. The second chart displays these risk-adjusted death rates graphically.

The *Technical Guide* (Volume 2) presents a detailed description of the data and of the risk-adjustment methods. This detailed methodological presentation is intended to allow users and researchers to review and comment on the approaches taken and to encourage improvements in the future.

As required by law, each hospital and its chief of medical staff were sent summaries of their own results and draft copies of the report. All hospital comments submitted in response to the draft report are included in *Hospital Comment Letters* (Volume 4). These responses should be reviewed carefully if the reader is interested in the results for particular hospitals.

Statistical Significance and Hospital Classification

The threshold of statistical significance used in this report of the California Hospital Outcomes Project is $p<0.01$. This means that a hospital's risk-adjusted mortality rate was considered to be significantly lower or higher than

the general AMI death rate for the State if it was more extreme than what would be expected to occur by chance 1% of the time. Even if every hospital provided the same quality of care, chance variation in outcomes would mean that some hospitals would appear to be high outliers and some low outliers. With roughly 400 hospitals in the analysis, 1% or four would have higher than expected mortality due just to chance variation. Another four (1%) would have lower than expected mortality by chance. If about eight of the 400 hospitals were actually identified as outliers, one might conclude that none had quality of care problems, since this many outliers would be likely to occur just by chance.

In fact, 62 hospitals were identified as outliers for AMI mortality using Model A and 48 were identified as outliers using Model B. This distribution is inconsistent with the premise that all hospitals have equal quality. Without additional information from medical records, however, it is impossible to tell which of the outliers provided unusually good or poor quality care and which were outliers just due to chance.

A hospital is unlikely to be an outlier several years in a row just by chance. If this occurs, it probably reflects some consistent factors. Outcomes for AMI patients are based on cases admitted between January 1, 1996 and December 1, 1998. Overall mortality is reported as well as mortality for each of the three years separately. AMI outcomes for each year are calculated by applying the overall mortality model (which adjusts for the year of admission) to a single year's cases. Very few hospitals shift from being extreme low outliers in one year to extreme high outliers in the next. However, some hospitals with initially high mortality do improve over time, possibly because of improvements in quality of care. Similarly, some hospitals with initially low mortality appear to deteriorate over time. The graphs presented in this volume display these temporal trends, but the statistical significance of these trends at individual hospitals has not been assessed.

Section

2

Explanation of the Detailed Results

Hospital specific results are displayed in two ways. The detailed tables give the statistics upon which the summary results shown in the User's Guide are based. The charts present those results graphically.

The Tables, an Example

TABLE 1: Detailed Statistical Results for Acute Myocardial Infarction Mortality at a Hypothetical Hospital

Healthy County: General Hospital												
		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk- Adjusted Death Rate:95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.1	750	108	98.5	8.8	14.4	13.1	13.3	11.1	15.4	0.152
	1996	12.2	260	36	33.7	5.2	13.8	13.0	13.0	9.3	16.6	0.361
	1997	12.0	247	38	32.0	5.0	15.4	12.9	14.3	10.6	18.0	0.137
	1998	12.1	243	34	32.7	5.0	14.0	13.5	12.5	8.9	16.2	0.432
Model B	All Years	12.1	747	108	99.5	8.1	14.5	13.3	13.1	11.2	15.1	0.164
	1996	12.2	258	36	34.0	4.8	14.0	13.2	12.9	9.5	16.3	0.370
	1997	12.0	246	38	31.6	4.6	15.4	12.9	14.5	11.0	17.9	0.104
	1998	12.1	243	34	33.9	4.6	14.0	14.0	12.1	8.9	15.4	0.530

Table 1 summarizes the results for a hypothetical hospital. The first column on the left identifies the specific analytic model and the second column identifies the year(s) of data included in the results. The AMI outcome was death within 30 days of admission for the index AMI. Hospitals with no AMI patients in 1996-1998 are not included in this report. Because of specific data limitations described in Section 5 of the *Technical Guide,* 24 hospitals with AMI patients were excluded from the analysis in one or more of the three study years. An "Excluded" notation indicates that the data from a hospital in this year were excluded.

AMI results based on both Models A and B are presented for each hospital. These models are explained in general terms in the *User's Guide* and in detail in the *Technical Guide.* Sometimes slightly fewer patients were analyzed under Model B Than Model A. This is because some risk factors unique to Model B (e.g., race/ethnicity, insurance status) were unknown for some patients. When this occurred, that patient was omitted from the Model

B analysis. The omission of some cases from Model B causes a slight difference between the two models in the overall death rate.

The results are displayed year-by-year as well as for all years combined. For example, the results in a row labeled “1996" include only eligible patients discharged from the hospital for AMI in 1996. The row labeled “All Years” includes all eligible patients in 1996, 1997, and 1998 combined. Some hospitals do not have any AMI patients in a particular year, but do have patients in other years. In this case, the row corresponding to the year in which the hospital had no cases would be blank.

General Hospital in Healthy County, shown in Table 1, is used as an example for the following explanation of hospital-level summary statistics. The county-level tables in this volume include the same variables as the hospital-level tables described.

The Statewide Death Rate (%) is the total number of patients included in this report who died within 30 days of admission, divided by the total number of patients included in this report, multiplied by 100. As Table 1 shows, the overall *Statewide Death Rate* for AMI during 1996-1998 was 12.1%.

The column indicating Number of Cases Included tells how many cases from this hospital were included in the models. A general description of patient inclusion and exclusion criteria is in the *User’s Guide*. A detailed description is in the *Technical Guide*, Section 2. Cases with missing data for one or more demographic variables included in Model B (such as race or source of payment) are not included in Model B. The overall number of AMI cases at General Hospital was 750 under Model A and 747 under Model B.

The Number of Observed Deaths is the number of patients at a facility who died within 30 days of admission for AMI. The death may have occurred at the index hospital, a transfer hospital, or outside the hospital setting. The full description of the outcome variable is given in Section 4 of the *Technical Guide.* At General Hospital, the overall *Number of Deaths* in the AMI analysis was 108 under both Model A and Model B.

The Number of Expected Deaths among patients included in the analysis is presented in the next column. The influence of patient characteristics on the risk of death was estimated from the statistical models described in the *Technical Guide*, Section 7. The predicted probability of death was computed for each patient. Summing these probabilities over all patients treated at a hospital gives the predicted number of deaths among those patients. At General Hospital, the *Number of Expected Deaths* was 98.5 using Model A and 99.5 using Model B.

The Standard Deviation of the Observed Deaths is the square root of the sum, over all of the included patients, of each patient's probability of death (p_i) times the probability of survival ($1-p_i$), i.e., SQRT($\sum_i p_i(1-p_i)$). At General Hospital, the *Standard Deviation of Observed Deaths* was 8.8 for Model A (all

years) and 8.1 for Model B (all years). Although the standard deviation of expected death was calculated, it did not affect the classification of hospital mortality and was therefore not used in the final analysis.

The Observed Death Rate (%) is the number of patients at this hospital who died, divided by the number of patients at this hospital included in the analysis, multiplied by 100. For example, under both Model A at General Hospital, the overall *Observed Death Rate* for AMI was (108/750) x 100, or 14.4%.

The Expected Death Rate (%) is the expected number of patients at this hospital who died, divided by the number of patients at this hospital included in the analysis, multiplied by 100. General Hospital had 750 AMI patients included in Model A. With 98.5 patients expected to die, General Hospital has an *Expected Death Rate* under Model A of 13.1%.

The Risk-Adjusted Death Rate (%) is derived using a technique known as indirect standardization. It adjusts the observed death rate at the hospital to reflect what the rate would be if the patients were about as ill as "average" patients in the state. The *Risk-Adjusted Death Rate (%)* is calculated as the statewide rate, multiplied by the ratio of the number of *observed* deaths to the number of *expected* deaths at this hospital. This adjusted death rate can be used to compare the performance of different hospitals.

For example, the *Risk-Adjusted Death Rate* using Model A patients is the statewide rate (12.2%) times the observed number of deaths, divided by the expected number of deaths. At General Hospital under Model A, 108 patients died whereas 98.5 were expected to die. For General Hospital, the risk-adjusted death rate is 12.2% x (108/98.5) = 13.7%. Adjusting for its patient mix, General Hospital's risk-adjusted death rate is lower than its observed rate of 14.4%.

Note that the expected death rate (13.1%) is higher than the statewide rate (12.2%). This difference reflects the fact that patients at General Hospital had higher risk, on average, than the statewide population of patients. The risk-adjusted figure of 13.3% is an estimate of what the death rate would be at General Hospital if its patients matched the state average in terms of risk.

The Risk-Adjusted 95% Confidence Bounds reflect the level of confidence in the hospital's risk-adjusted death rate. Assuming that the risk model is correct, there is a 95% chance that the hospital's true risk-adjusted AMI death rate under Model A falls between the *Lower 95% Confidence Bound* of 11.1% and the U*pper 95% Confidence Bound* of 15.4%. Please note that this 95% confidence interval differs from the 98% confidence interval shown in the *User's Guide*. A narrower interval, providing 95% confidence rather than 98% confidence, is used in these tables for the benefit of individual hospitals and physician groups that are interested in evaluating their own performance. Wider confidence intervals are used to identify hospital outliers in the *User's Guide*, because of the large number of hospitals evaluated in the study.

The Probability This Rate Occurred by Chance is a measure of the likelihood that this many (or more) deaths occurred by chance, given the expected number of deaths from the risk-adjustment model. If the observed number of deaths is less than or equal to the expected number, a *lower p-value* is computed. If the observed number of deaths is more than the expected number, an *upper p-value* is computed.

The lower p-value is the probability of the observed number of deaths or fewer. The lower p-value represents a "test" of whether this hospital has systematically **better** outcomes than expected based on its patients' risk characteristics. A lower p-value of less than 0.05 indicates that there would be less than a 1 in 20 chance of this hospital having this few or fewer deaths, given its mix of patients, if quality of care were average.

The upper p-value is the probability of the observed number of deaths or more. The upper p-value represents a "test" of whether this hospital has systematically **worse** outcomes than expected based on its patients' risk characteristics. An upper p-value of less than 0.05 indicates that there would be less than a 1 in 20 chance of this hospital having this many or more deaths, given its mix of patients, if quality of care were average.

Because General Hospital had fewer deaths than expected in Model A, the lower p-value of 0.152 was used. Thus, in this hospital with 750 patients (and 13.3 expected deaths, based on Model A risk factors), the probability of observing 108 or fewer deaths due to chance alone is about 1 in 9 — a finding that tends to be consistent with chance variability. Such a finding provides little evidence that General Hospital's outcomes differ systematically from the statewide average.

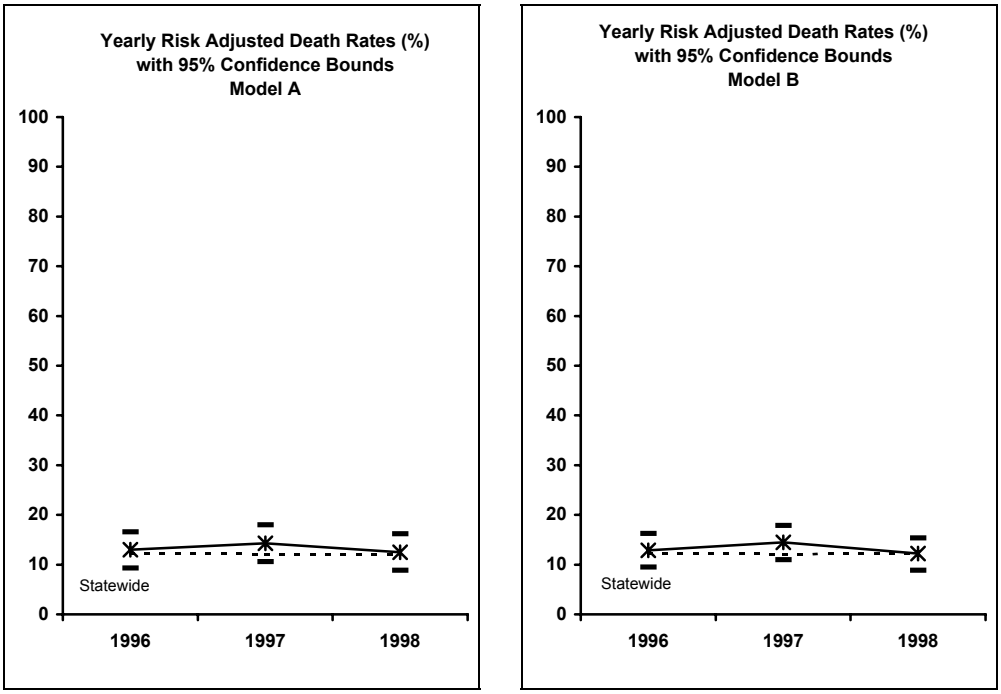
The classification of hospitals into one of four categories, based on all three years of data, (as shown in the *User's Guide*) is based on a p-value of 0.01. Hospitals classified as significantly better than expected had fewer deaths than expected and a lower p-value of less than 0.01. Hospitals classified as significantly worse than expected had more deaths than expected and an upper p-value of less than 0.01.

Summarizing the contents of Table 1, General Hospital has an overall risk-adjusted death rate of 13.3% from Model A and 13.1% from Model B. These rates are higher than the overall statewide death rates but are not statistically significant. In the first table in the *User's Guide,* General Hospital would have been represented by a simple box (☐) for both Model A and Model B in the results columns.

The Charts, an Example

Table 1 gave the detailed statistics for the fictional General Hospital in Healthy County. Figure 1 below displays General Hospital's yearly risk-adjusted death rates and the 95% confidence bounds around those rates.

FIGURE 1: Healthy County: General Hospital



Each table for a specific hospital or county is followed by two charts which graphically display the hospital's or county's risk-adjusted death rates from Model A and Model B, by year. The risk-adjusted death rates and 95% confidence bounds displayed in these charts are identical to those shown in the table on the same page.

The *User's Guide* includes a very similar display of hospitals' risk-adjusted death rates. However, the charts show overall results for 1996-1998 and feature 98% rather than 95% confidence bounds.

In the charts in this volume, annual risk-adjusted death rates for AMI patients are denoted by asterisks. As described above, the risk-adjusted death rate represents a measure of hospital performance adjusted for differences in patients' severity of illness across hospitals. Each risk-adjusted death rate is surrounded by 95% confidence bounds, which are denoted by thick dashes above and below each asterisk. There is a 95% chance that a hospital's true risk-adjusted death rate lies within the indicated range.[1]

The statewide death rate is denoted by a horizontal dotted line. Note that the statewide death rate dropped from 12.3% in 1996 to 12.1% in 1997 and 1998. If the horizontal dotted line is below the hospital's lower confidence bound, then that hospital had a significantly higher than average risk-adjusted death rate, and significantly more deaths than were expected, in that year. If the statewide death rate lies above a hospital's upper confidence bound, then that hospital had a significantly lower than average risk-adjusted death rate, and significantly fewer deaths than were expected, in that year. For most hospitals, the statewide rate lies within the confidence bounds, indicating that the hospital's performance was within the expected range. This expected range is substantially wider when individual years are shown separately than when all three years are aggregated, as in the chart in the *User's Guide*.

Because two separate risk-adjustment models were developed to estimate the probability of death, the risk-adjusted death rate and confidence bounds from Model B are displayed next to the comparable data from Model A. If a specific hospital appears to have no point on the chart for one or more years, then that hospital either had no eligible cases or was excluded because of data limitations during that year or set of years. Volume 2, *Technical Guide*, Section 5 explains which hospitals were excluded because of data limitations. If a hospital had no eligible cases across all three years (1996-1998), then it is not listed in this volume.

[1]. The confidence bounds shown in these charts are based on a widely used method called the normal approximation (see the 1997 *Technical Guide*, Section 11). For most hospitals, this procedure generated confidence bounds nearly identical to those implied by the exact method that was used to calculate p-values in the detailed statistical tables and to identify mortality outliers in the *User's Guide*. However, a few hospitals have 95% confidence bounds that do not include the statewide average, despite the fact that their exact p-value exceeds 0.025. The exact p-value is a more precise measure of the probability that a hospital's true risk-adjusted death rate equals the statewide average.

Section 3

How Not to Use These Results

*One might be tempted to use this set of hospital data tables to generate lists of the "best and worst" hospital in the state or in a particular community. This is **not** appropriate. Such listings or rankings are subject to substantial misinterpretation, stemming largely from the problem of chance variability discussed previously. This section discusses how to interpret the observed and expected death rates, and explains why ranking is inappropriate.*

Interpreting Death Rates

TABLE 2: AMI Data for a Hypothetical County

Hospital	Cases	Deaths			Death Rate (%)		P-Value	Observed/ Expected	Risk-Adjusted Rate		
										Confidence Interval	
		Observed	Expected	Standard Deviation	Observed	Expected			Observed	Low	High
A	7	0	1.2	0.85	0.0	17.1	0.184	0.00	0.0	0.0	20.1
B	25	0	3.5	1.69	0.0	14.0	0.019	0.00	0.0	0.0	13.7
C	69	4	8.7	2.50	5.8	12.6	0.037	0.46	6.7	0.0	14.8
D	98	11	16.5	3.43	11.2	16.8	0.068	0.67	9.7	3.8	15.6
E	420	44	66.0	7.01	10.5	15.7	0.001	0.67	9.7	6.6	12.7
F	282	35	45.6	5.74	12.4	16.2	0.037	0.77	11.1	7.5	14.7
G	116	13	14.2	3.34	11.2	12.2	0.434	0.92	13.3	6.6	19.9
H	98	17	13.6	3.21	17.3	13.9	0.182	1.25	18.1	11.4	24.8
I	29	9	5.8	2.01	31.0	20.0	0.093	1.55	22.5	12.6	32.3
County Total	1,144	133	175.1	11.37	11.6	15.3	Z-score = -3.66				

The importance of statistical variability is highlighted by the confidence intervals associated with the risk-adjusted death rates reported for each hospital. To illustrate this, Table 2 presents AMI data for nine hospitals from across the state, selected to represent a hypothetical county. The hospitals have been ordered from low to high according to their risk-adjusted death rates, using all three years of data combined. The risk-adjusted death rates range from 0% to 22.5%. The risk-adjusted death rate represents what a hospital's death rate would have been, if its patients' risk profile had been equal to the statewide average.

Hospitals A and B appear at the top of the list because they had no deaths. However, this cannot be interpreted to mean that they had the best outcomes for heart attack patients. Hospital A had only seven AMI cases, a very small number for statistical inference. The expected number of deaths at this hospital was 1.2. While the observed number of deaths was less than the expected number, this result could be due to chance alone and is not statistically significant. This is shown by the p-value of 0.184, which indicates

that with such a small number of cases, one would expect to observe zero deaths 18.4% of the time just by chance.

The absence of any deaths among the 25 patients at Hospital B is more unusual. The expected number of deaths was 3.5, and the p-value indicates that one would expect to observe zero deaths only 1.9% of the time, if there were many identical hospitals. With 402 hospitals in the state included in the heart attack analysis, chance alone would account for eight hospitals (1.9% times 402 = 7.6) having such extreme values just by chance.

In the *User's Guide*, both Hospital A and Hospital B would be labeled with a check mark in a box (☑). Neither hospital was significantly different than expected at a p-value of 0.01, but neither had any deaths.

Note that Hospital E, which ranks fifth in this county in terms of risk-adjusted rates, is the only one that would be labeled with a star (✪) in the *User's Guide*, as indicated by its lower p-value of 0.001. This illustrates the importance of sample size in determining statistical significance. Hospitals with relatively few patients cannot be identified as having significantly better than expected results, even with very few (or no) deaths, because such results may be due to chance.

At the other extreme of the table are Hospitals H and I with risk-adjusted death rates of 18.1% and 22.5% respectively. The very high death rate at Hospital I was based on nine deaths among 29 patients, almost the opposite situation as Hospital B. The observed rate was more than 50% higher than the expected rate (31.0% vs. 20.0%). Even so, a result this extreme or worse is likely to occur just by chance about nine times out of a hundred, as indicated by the p-value of 0.093. Even using the standard cut-off for a p-value of 0.05 or less, this is not a statistically significant result.

Why Ranking is Inappropriate

The dangers of ranking hospitals are illustrated by the lower and upper confidence bounds around each hospital's risk-adjusted death rate. These represent the bounds within which the true risk-adjusted rate would be expected to lie, given the role of chance and the observed rate. For example, Hospital B's true risk-adjusted rate might have been as high as 13.7% despite having zero deaths. If this were the case, Hospital B would rank seventh out of the nine hospitals in this county, instead of first or second. Even if everything remained the same in terms of the quality of care, numbers of patients, and average risk among these hospitals, a change in ranking this large could be observed just due to chance variation. Likewise, Hospital I, with the highest risk-adjusted death rate, could have a rate as low as 12.6%, which would rank it seventh in this county. Potential problems in using rankings are exacerbated if one considers rankings based on the entire state. For the purposes of illustration, the nine hospitals in Table 2 were selected largely from the extremes of the death rate distribution. In fact, the vast majority of hospitals are in the middle of that distribution. For example, Hospital A is among dozens that would rank "first in the state" because it had

no deaths, yet Hospital G, which is near the middle in the overall list, might rank just as highly based on the lower confidence bound for its risk-adjusted rate. At the other extreme, the lower bound on the confidence interval for Hospital I, 12.6%, would rank it in the top quarter of hospitals in the state. In fact, because there are so many hospitals in the state and the confidence intervals are so wide, the range of possible ranks for many hospitals, due to chance alone, exceeds 100.

This example is meant to caution potential users of the data about the basic statistical issues involved in using such information. It is important to note that unusual events do happen by chance, so that a single set of results provides little information. However, if "unusual" results occur repeatedly, they may bear further investigation. Thus, hospitals with "extreme" results three years in a row are likely to have some consistent factors producing those results.

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Section 4

How These Data Might Be Used

It is important to recall that most statistical problems in interpreting these data arise when one focuses on death rates, because deaths are relatively unusual occurrences. Analyses of more frequent outcomes would be less susceptible to chance variation and potentially more informative.

Examine Individual Hospital

For example, one may ask whether special circumstances accounted for the very small number of AMI patients at Hospital A. With roughly one admission every other month, staff may not be ready for such emergency admissions. If Hospital A is in a very isolated area and is the only local provider, this low volume may be quite appropriate. The high expected death rates in Hospital A suggest that Hospital A's patients may be too high-risk to transfer elsewhere.

Another suggestion would be to examine hospitals with unusually low or high expected death rates. A hospital's expected death rate is a measure of the average severity-of-illness of its patients, compared with patients at other hospitals and statewide. Hospitals with low expected death rates may be referring high-risk patients from their emergency departments to other hospitals with more specialized facilities. In most areas, that would represent an appropriate referral practice. Alternatively, they may be failing to report some of their patient's risk factors. Hospitals with high expected death rates may be located near a retirement community or other high-risk population, may accept especially high-risk patients from other hospitals, or may over-report risk factors relative to other hospitals.

Examine Groups of Hospitals

One might also combine results for hospitals grouped in various ways. Grouping adds to the sample size and thus reduces the role of chance variation in explaining unusual outcomes. However, the grouping should be related to important underlying characteristics, such as the size of a hospital or its location. Hospitals also might be grouped according to health plan affiliations in a managed care environment. For readers' convenience, this volume includes a summary table for each county, which groups all of the hospitals in that county.

To illustrate grouping, consider the bottom part of Table 2, where the outcomes for all nine hospitals in a hypothetical county are aggregated.

There were a total of 133 deaths among the 1,144 patients, while 175.1 were expected given their risk factors. This results in an overall death rate of 11.6%, compared to an expected rate of 15.3%. If the number of expected deaths is five or more, one can use the following formula to determine whether there is a statistically significant difference:

$$Z = I * (ABS(NDEAD - NEXP) - 0.5) / STDDEV$$
$$\text{where } I = (NDEAD - NEXP) / ABS(NDEAD - NEXP)$$

where NDEAD is the number of patients who died, NEXP is the number of patients expected to die, and STDDEV is the standard deviation around the observed number of deaths for the group of interest, in this case a hypothetical county. The detailed statistical tables list this standard deviation for each model and each hospital. To calculate the standard deviation for a group of hospitals, square the standard deviation for each hospital in the group (using either Model A or Model B). Then add the resulting variances. Finally, take the square root of the sum of the variances to obtain the standard deviation of the observed number of deaths for the entire group of hospitals.

The resulting figure, or Z-score, can be converted to a probability with the assistance of standard statistical tables for the normal distribution. Roughly speaking, Z-Score values greater than 1.96 or less than -1.96 indicate that a result is statistically significant at the 0.05 level. This means these results are likely to occur by chance less than one time out of 20. The resulting Z-score for this set of nine hospitals is -3.66, with a negative value indicating that the death rate was lower than expected. Standard statistical tables for the normal distribution indicate that a Z-score of -3.66 is associated with a probability of less than 0.001. This result is likely to occur by chance less than one out of a thousand times. Thus, overall outcomes in this county were significantly better than expected, even though the hospitals in this group had worse than expected outcomes.

Section

5

Data File Record Layout

There are four data files, one for each individual year 1996-1998, and one for all three years combined. The layout of each file is the same. These files are available on OSHPD's web page at www.oshpd.state.ca.us/hpp/chop.

COLUMN	COLUMN HEADING	DESCRIPTION
A	OSHPDID	Hospital's OSHPD ID Number
B	HOSPNAME	Hospital's Name
C	STAPER_A	Statewide Mortality Rate, Model A
D	STAPER_B	Statewide Mortality Rate, Model B
E	NUMCAS_A	Number of Cases Included, Model A
F	NUMCAS_B	Number of Cases Included, Model B
G	NUMMOR_A	Number of Observed Deaths, Model A
H	NUMMOR-B	Number of Observed Deaths, Model B
I	NUMEXP_A	Number of Expected Deaths, Model A
J	NUMEXP_B	Number of Expected Deaths, Model B
K	SDMOR_A	Standard Deviation of Observed deaths, Model A
L	SDMOR_B	Standard Deviation of Observed deaths, Model B
M	PERMOR_A	Observed Mortality Rate, Model A
N	PERMOR_B	Observed Mortality Rate, Model B
O	PEREXP_A	Expected Mortality Rate, Model A
P	PEREXP_B	Expected Mortality Rate, Model B
Q	RAMOR_A	Risk-Adjusted Mortality Rate, Model A
R	RAMOR_B	Risk-Adjusted Mortality Rate, Model B
S	LCI_A	Lower Bound of 95% Confidence Interval, Model A
T	LCI_B	Lower Bound of 95% Confidence Interval, Model B
U	UCI_A	Upper Bound of 95% Confidence Interval, Model A
V	UCI_B	Upper Bound of 95% Confidence Interval, Model B
W	ULPVAL_A	Upper/lower P-Value, Model A
X	ULPVAL_B	Upper/lower P-Value, Model B

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Section 6

Hospital-Specific Tables and Graphs

The remainder of this volume consists of tables and graphs showing results for each individual hospital included in the study. Each hospital is on a separate page, listed in alphabetical order within counties. The first page of each county is a summary of the results from all hospitals in that county.

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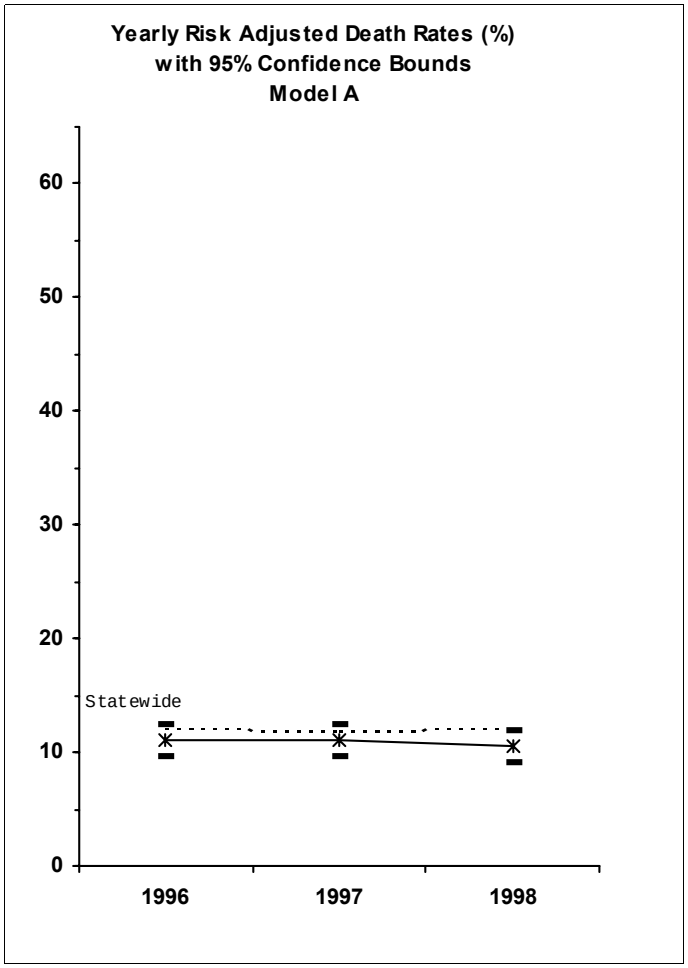
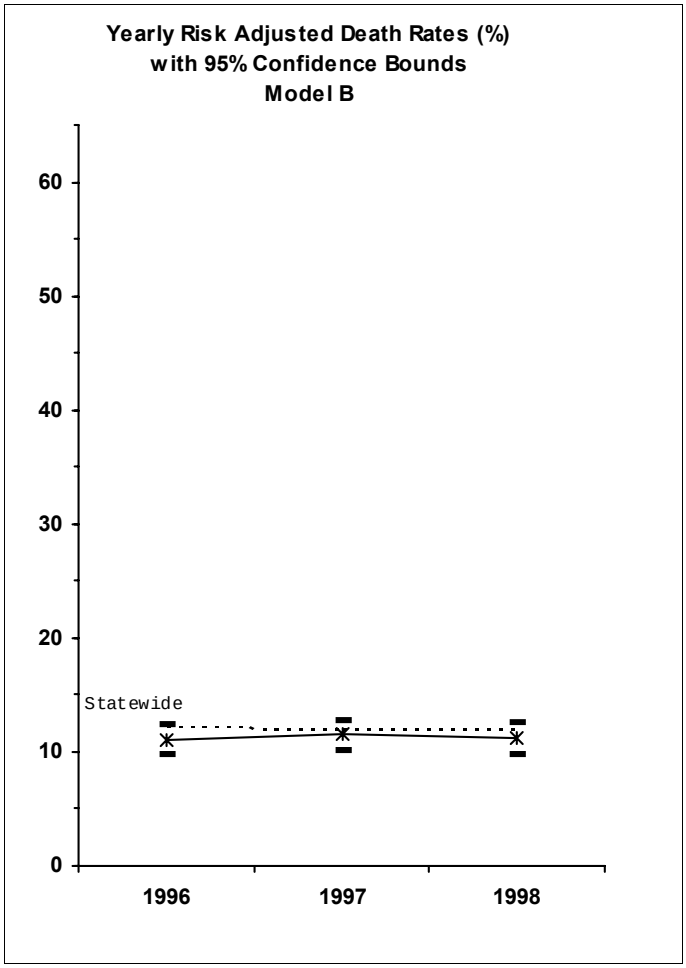
Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Alameda County Summary

		Statewide Death Rate (%)	Number of Hospitals Included	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds	
											Lower	Upper
Model A	All Years	12.1	11	5,488	620	686.3	23.0	11.3	12.5	10.9	10.1	11.7
	1996	12.2	11	1,829	207	226.9	13.2	11.3	12.4	11.1	9.7	12.5
	1997	12.0	11	1,872	219	238.3	13.5	11.7	12.7	11.1	9.7	12.4
	1998	12.1	11	1,787	194	221.1	13.0	10.9	12.4	10.6	9.2	12.0
Model B	All Years	12.1	11	5,426	615	659.4	21.0	11.3	12.2	11.3	10.5	12.0
	1996	12.2	11	1,802	204	224.2	12.2	11.3	12.4	11.1	9.8	12.4
	1997	12.0	11	1,853	217	226.5	12.3	11.7	12.2	11.5	10.2	12.8
	1998	12.1	11	1,771	194	208.7	11.9	11.0	11.8	11.2	9.9	12.6

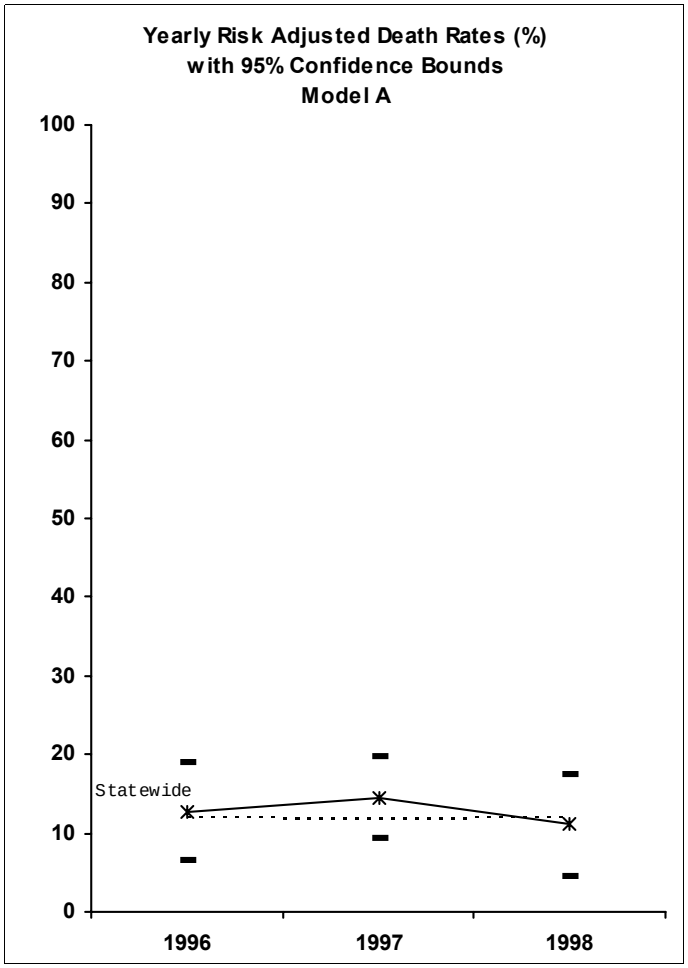


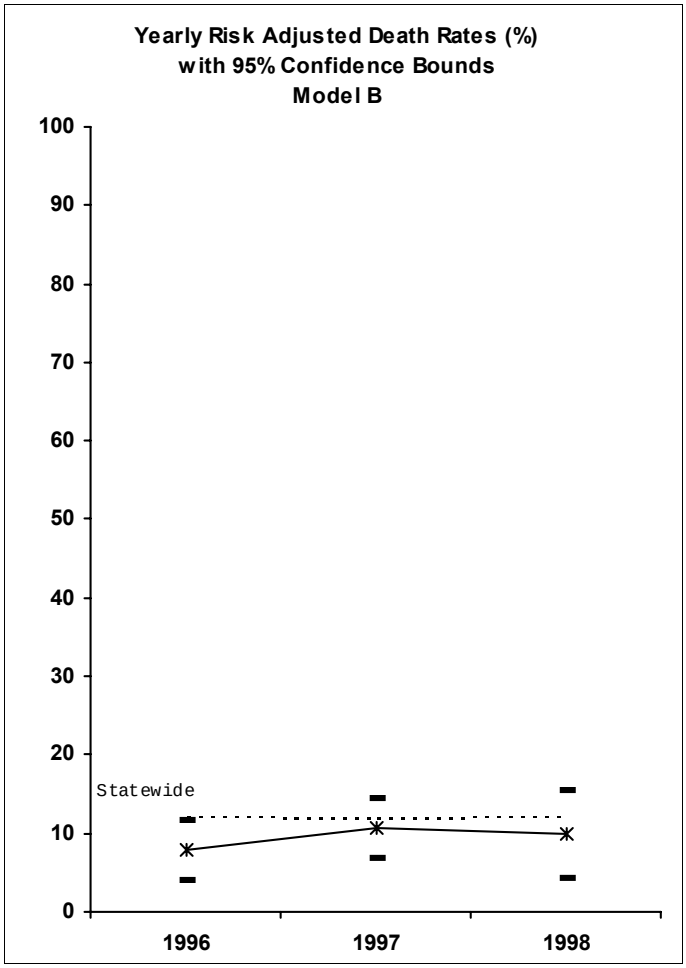


Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Alameda County: Alameda County Medical Center

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	302	40	36.9	5.3	13.2	12.2	13.1	9.7	16.5	0.307
	1996	12.17742	101	12	11.4	3.0	11.9	11.3	12.8	6.5	19.0	0.479
	1997	12.02517	119	19	15.7	3.4	16.0	13.2	14.6	9.4	19.7	0.201
	1998	12.06405	82	9	9.8	2.7	11.0	12.0	11.1	4.6	17.6	0.469
Model B	All Years	12.10683	297	40	51.1	5.2	13.5	17.2	9.5	7.0	11.9	0.020
	1996	12.18490	96	12	18.7	3.0	12.5	19.5	7.8	3.9	11.7	0.018
	1997	12.03332	119	19	21.4	3.4	16.0	18.0	10.7	6.9	14.4	0.293
	1998	12.10273	82	9	11.0	2.6	11.0	13.4	9.9	4.3	15.5	0.286



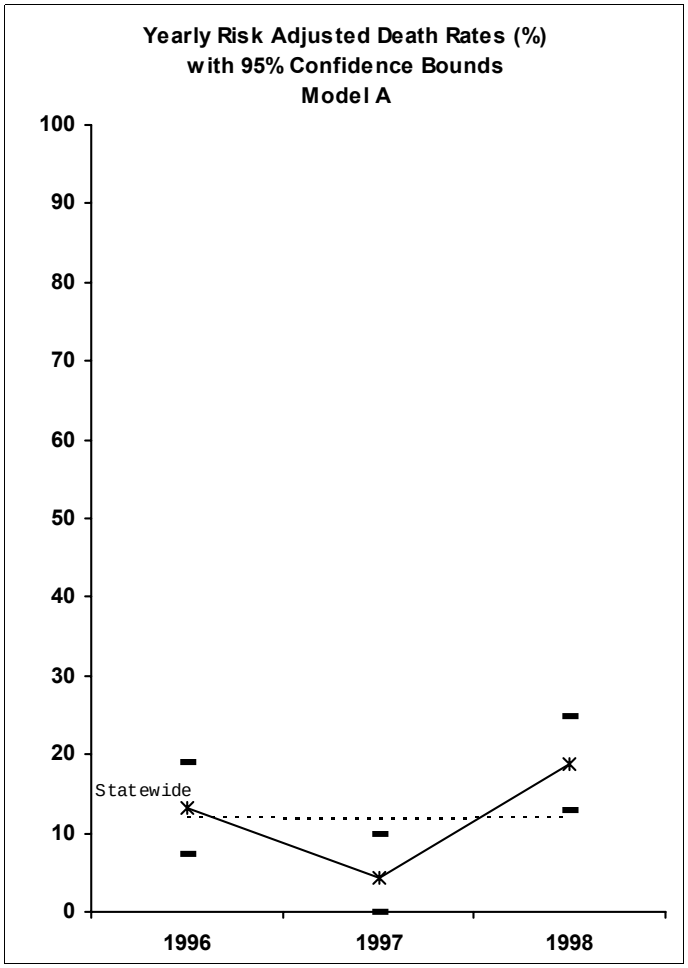


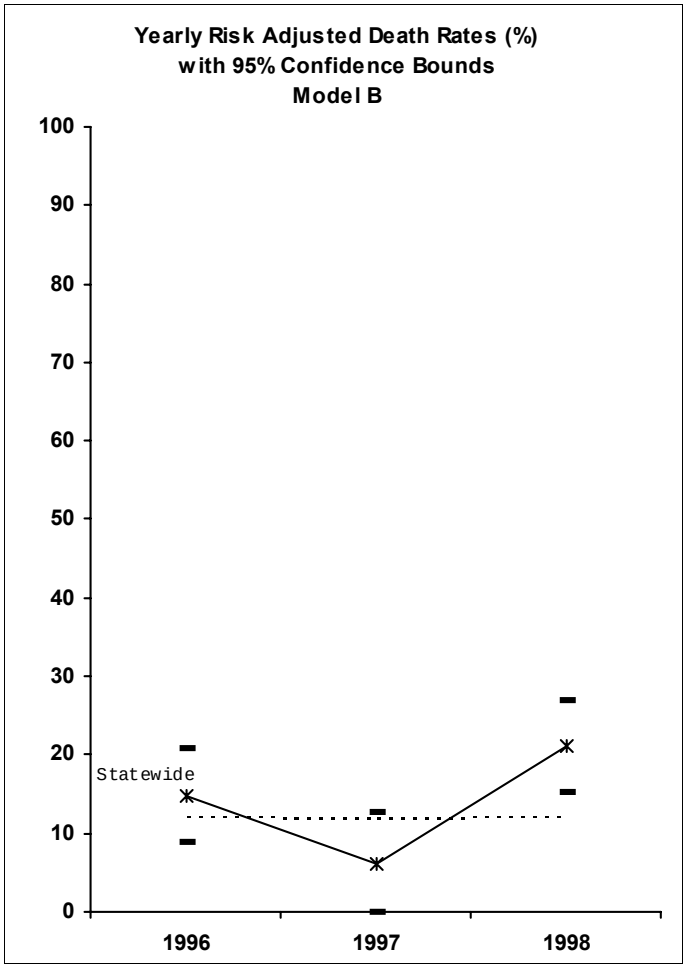
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Alameda County: Alameda Hospital

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	296	39	39.4	5.6	13.2	13.3	12.0	8.6	15.3	0.511
	1996	12.17742	98	14	12.9	3.2	14.3	13.1	13.2	7.3	19.1	0.412
	1997	12.02517	102	5	13.8	3.3	4.9	13.5	4.4	0.0	10.0	0.003
	1998	12.06405	96	20	12.8	3.2	20.8	13.3	18.9	13.0	24.8	0.021
Model B	All Years	12.10683	290	39	32.9	4.9	13.4	11.3	14.4	10.8	17.9	0.129
	1996	12.18490	95	14	11.5	2.9	14.7	12.1	14.9	8.8	20.9	0.238
	1997	12.03332	101	5	9.9	2.8	5.0	9.8	6.1	0.0	12.8	0.052
	1998	12.10273	94	20	11.5	2.8	21.3	12.2	21.1	15.2	26.9	0.004



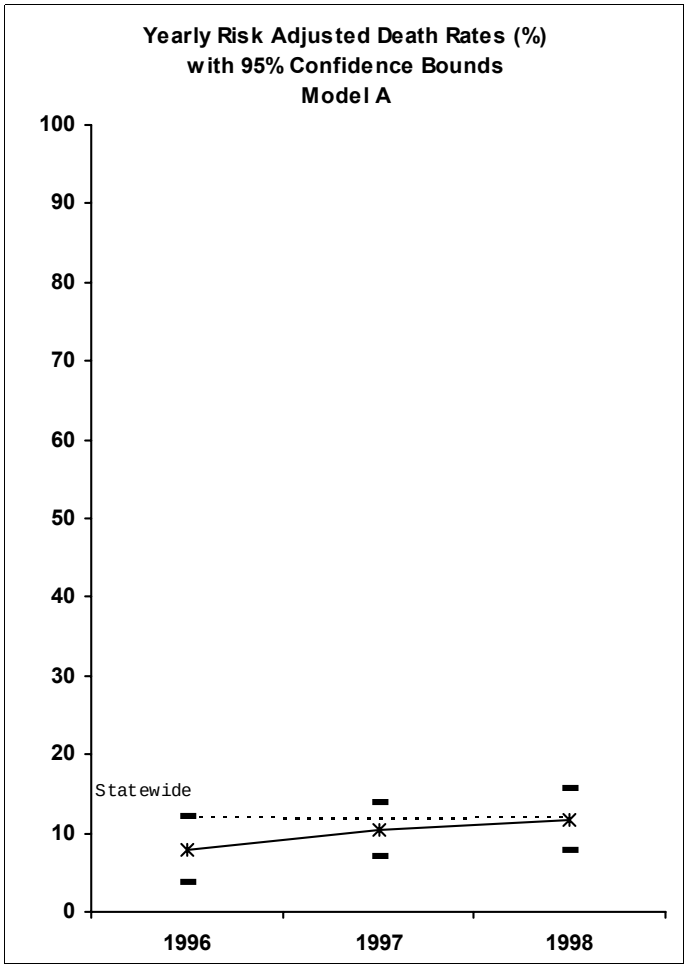


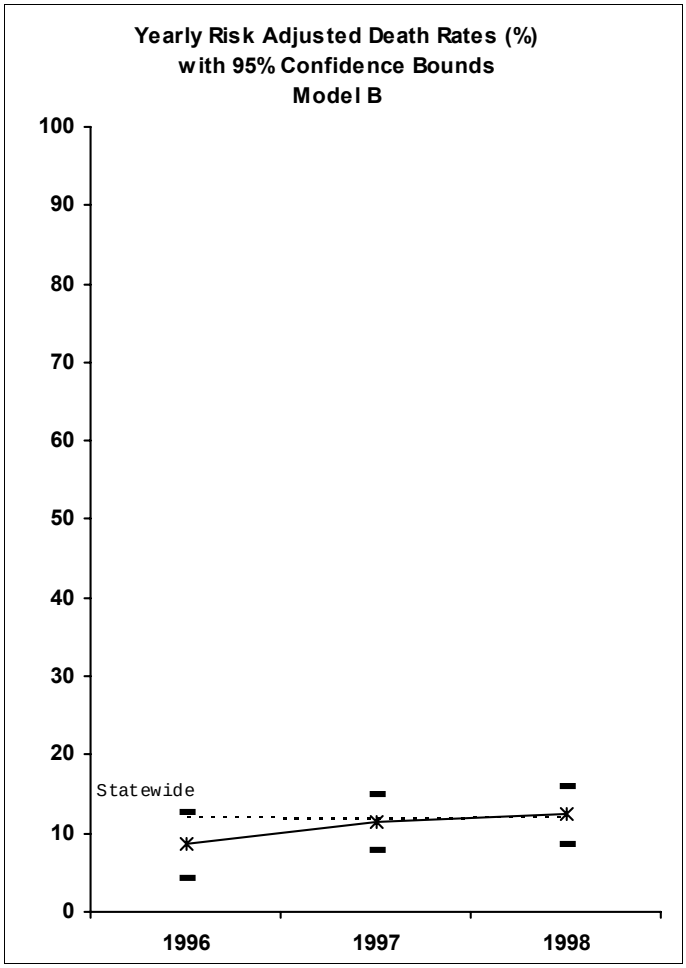
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Alameda County: Alta Bates Medical Center - Ashby Campus

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	512	71	84.2	7.9	13.9	16.4	10.2	8.0	12.4	0.051
	1996	12.17742	133	15	23.2	4.1	11.3	17.4	7.9	3.7	12.1	0.025
	1997	12.02517	207	30	34.3	5.1	14.5	16.6	10.5	7.1	14.0	0.230
	1998	12.06405	172	26	26.7	4.4	15.1	15.5	11.8	7.8	15.7	0.492
Model B	All Years	12.10683	501	71	78.4	7.2	14.2	15.7	11.0	8.8	13.1	0.169
	1996	12.18490	130	15	21.4	3.8	11.5	16.5	8.5	4.3	12.7	0.053
	1997	12.03332	204	30	31.5	4.6	14.7	15.5	11.5	8.0	14.9	0.419
	1998	12.10273	167	26	25.5	4.1	15.6	15.2	12.4	8.6	16.1	0.489



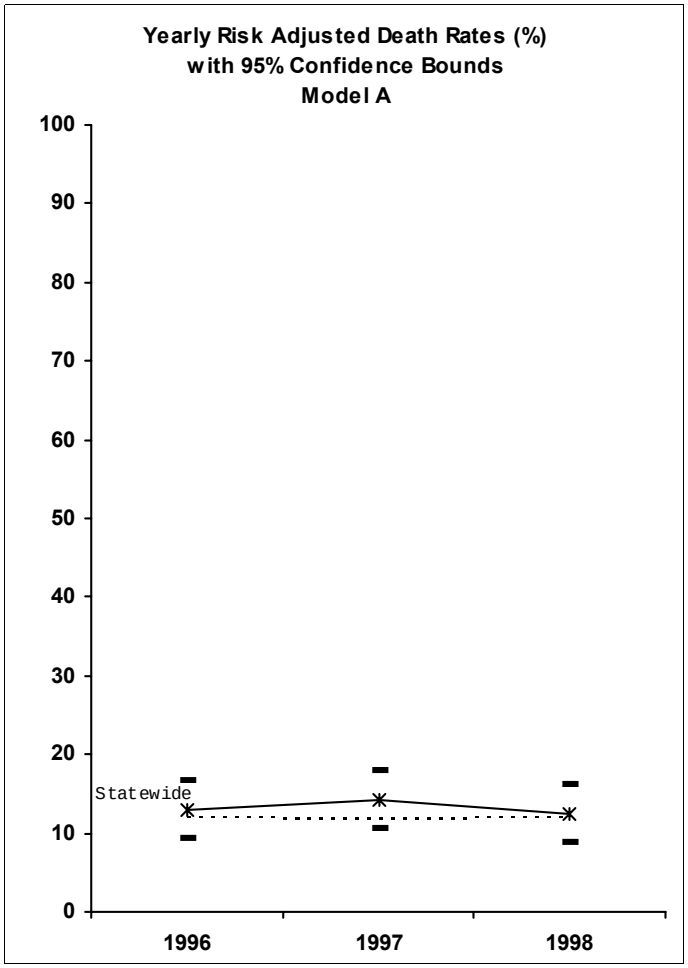


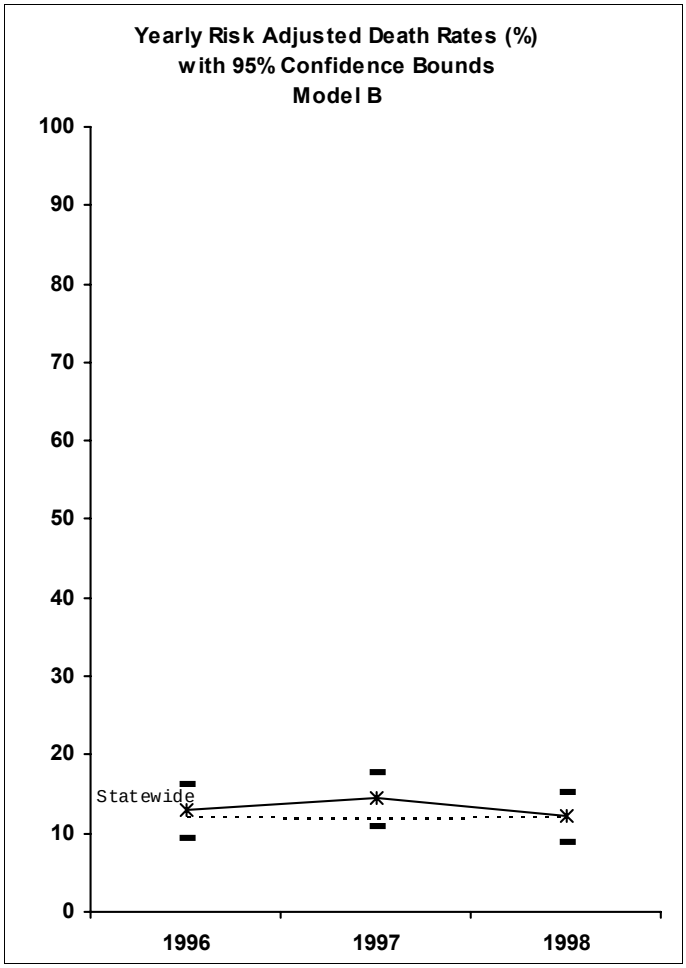
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Alameda County: Alta Bates Summit Medical Center - Summit Campus

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	750	108	98.5	8.8	14.4	13.1	13.3	11.1	15.4	0.152
	1996	12.17742	260	36	33.7	5.2	13.8	13.0	13.0	9.3	16.6	0.361
	1997	12.02517	247	38	32.0	5.0	15.4	12.9	14.3	10.6	18.0	0.137
	1998	12.06405	243	34	32.7	5.0	14.0	13.5	12.5	8.9	16.2	0.432
Model B	All Years	12.10683	747	108	99.5	8.1	14.5	13.3	13.1	11.2	15.1	0.164
	1996	12.18490	258	36	34.0	4.8	14.0	13.2	12.9	9.5	16.3	0.370
	1997	12.03332	246	38	31.6	4.6	15.4	12.9	14.5	11.0	17.9	0.104
	1998	12.10273	243	34	33.9	4.6	14.0	14.0	12.1	8.9	15.4	0.530



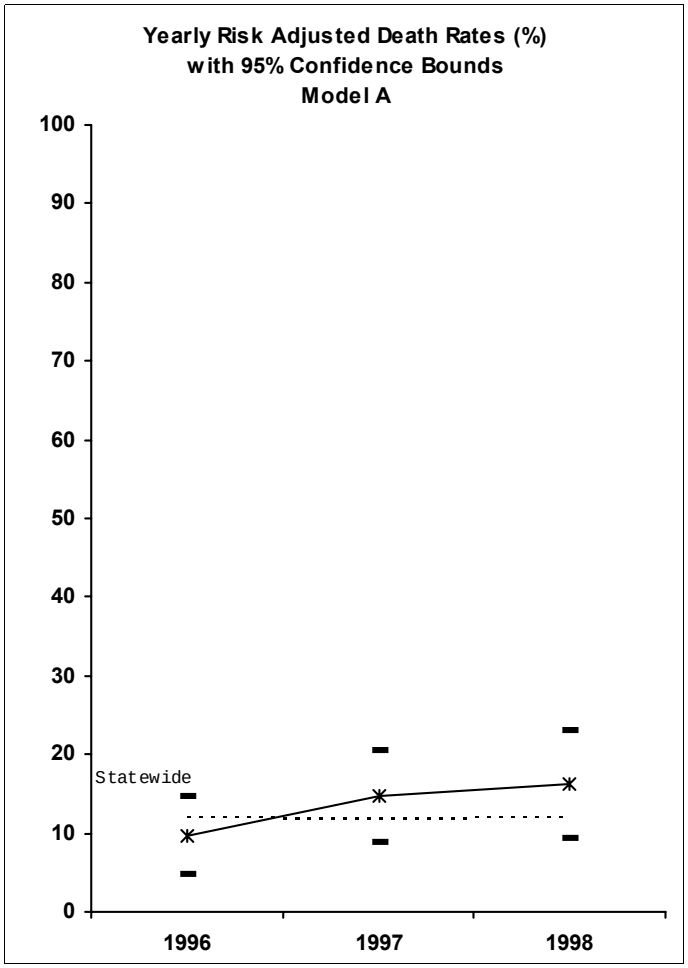


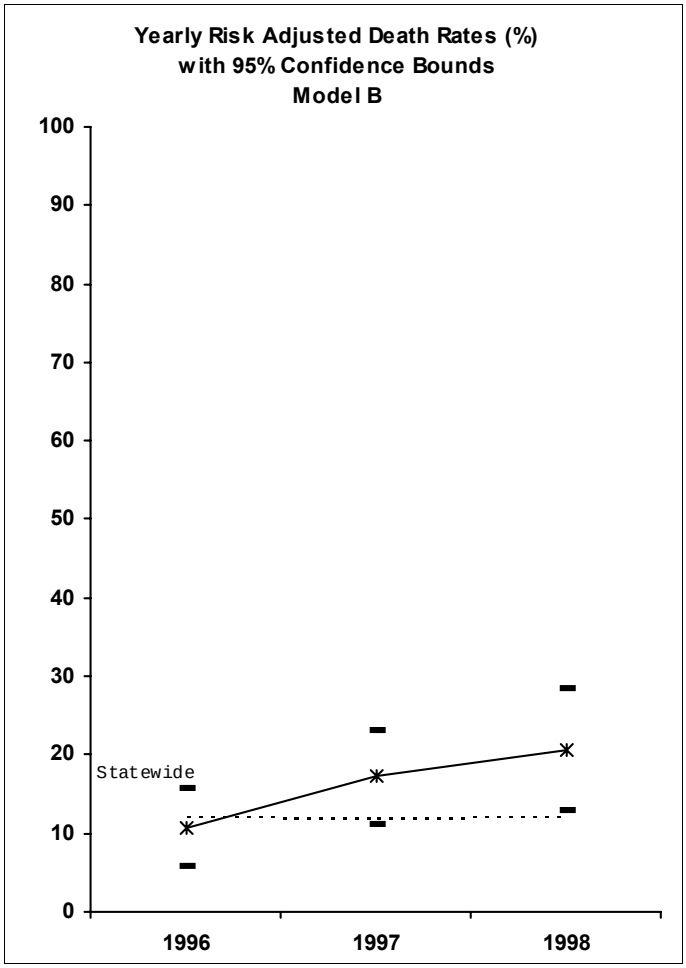
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Alameda County: Eden Medical Center

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	314	43	40.3	5.6	13.7	12.8	12.9	9.6	16.2	0.339
	1996	12.17742	124	14	17.5	3.6	11.3	14.1	9.7	4.8	14.7	0.207
	1997	12.02517	105	16	13.1	3.2	15.2	12.5	14.7	8.9	20.5	0.222
	1998	12.06405	85	13	9.7	2.8	15.3	11.4	16.2	9.4	23.0	0.157
Model B	All Years	12.10683	314	43	34.6	5.0	13.7	11.0	15.0	11.6	18.5	0.061
	1996	12.18490	124	14	15.8	3.3	11.3	12.8	10.8	5.9	15.7	0.349
	1997	12.03332	105	16	11.2	2.9	15.2	10.7	17.2	11.1	23.3	0.072
	1998	12.10273	85	13	7.6	2.5	15.3	8.9	20.7	12.9	28.5	0.031



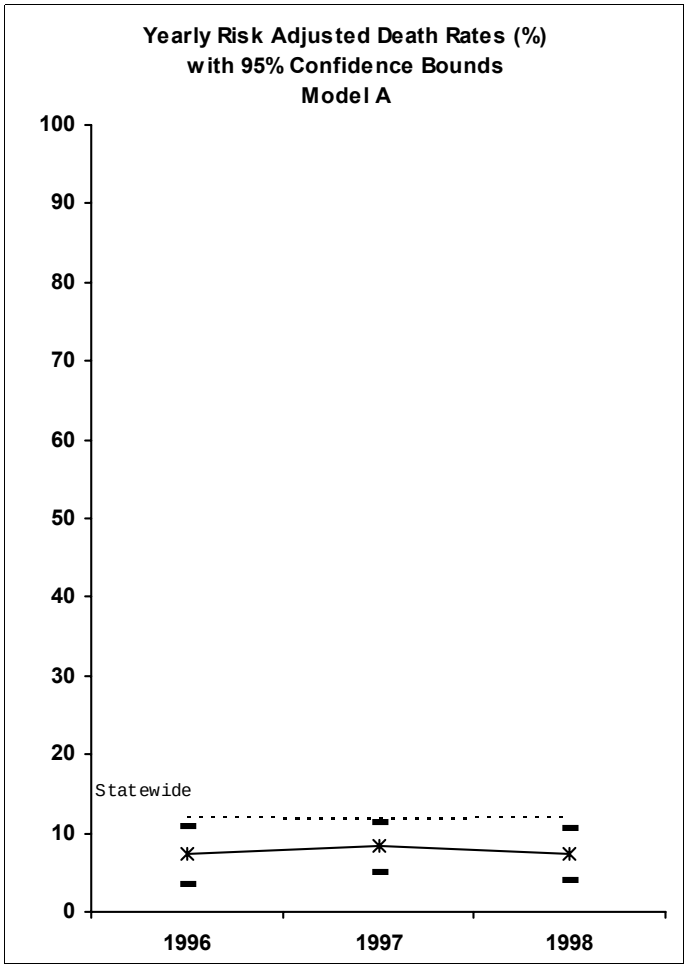


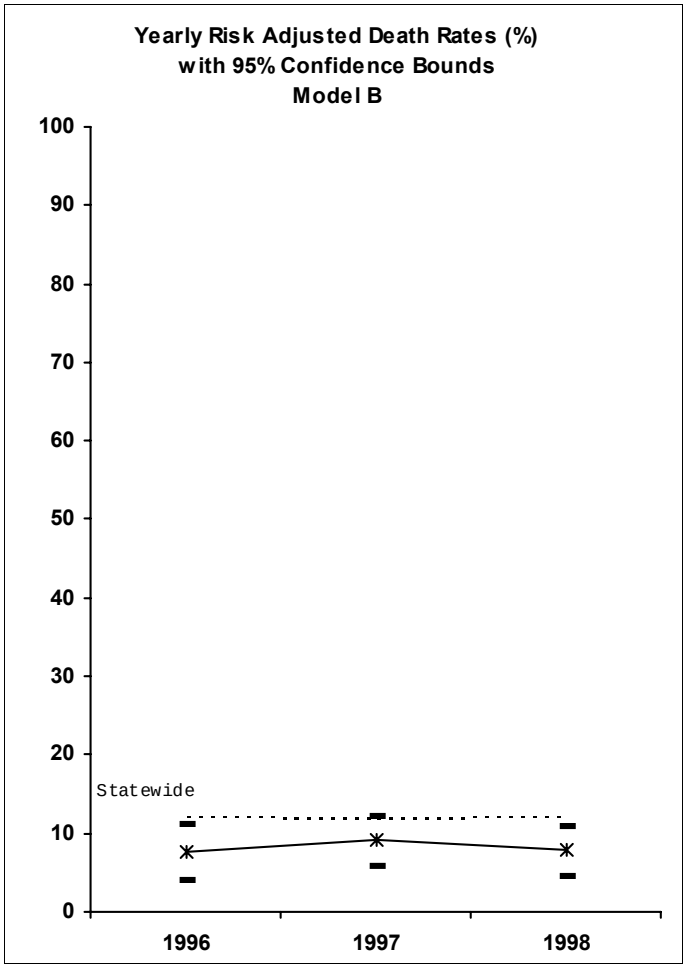
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Alameda County: Kaiser Foundation Hospital - Hayward

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	984	73	114.8	9.3	7.4	11.7	7.7	5.8	9.6	0.000
	1996	12.17742	305	20	33.4	5.1	6.6	10.9	7.3	3.6	10.9	0.004
	1997	12.02517	348	29	42.2	5.6	8.3	12.1	8.3	5.1	11.4	0.009
	1998	12.06405	331	24	39.2	5.4	7.3	11.8	7.4	4.1	10.7	0.002
Model B	All Years	12.10683	964	72	105.8	8.5	7.5	11.0	8.2	6.3	10.1	0.000
	1996	12.18490	298	20	31.7	4.7	6.7	10.6	7.7	4.1	11.2	0.006
	1997	12.03332	338	28	36.9	5.0	8.3	10.9	9.1	6.0	12.3	0.043
	1998	12.10273	328	24	37.2	5.1	7.3	11.4	7.8	4.6	11.0	0.004



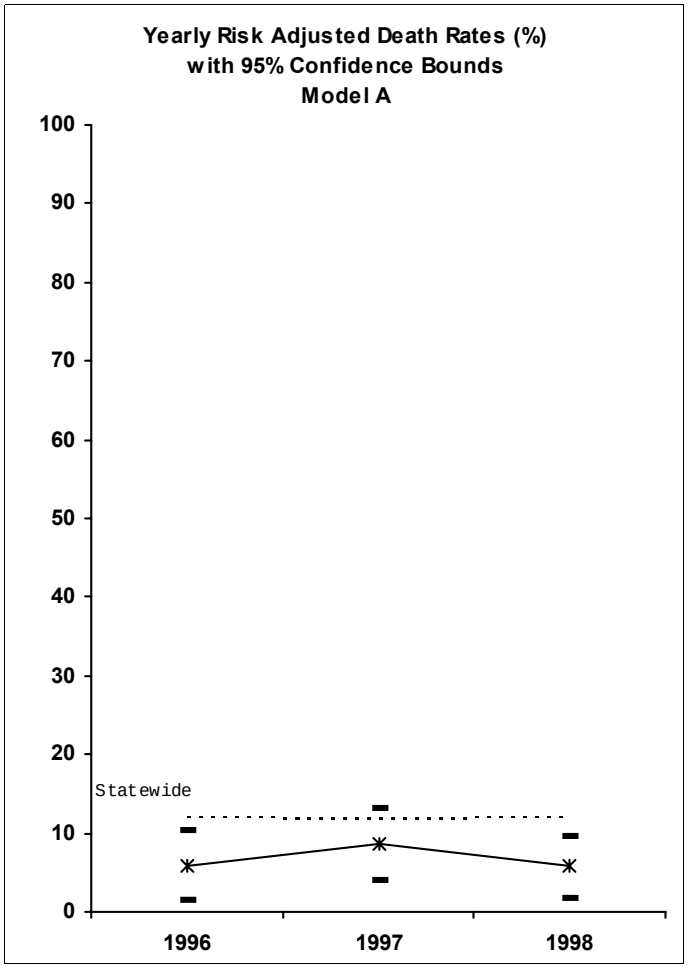


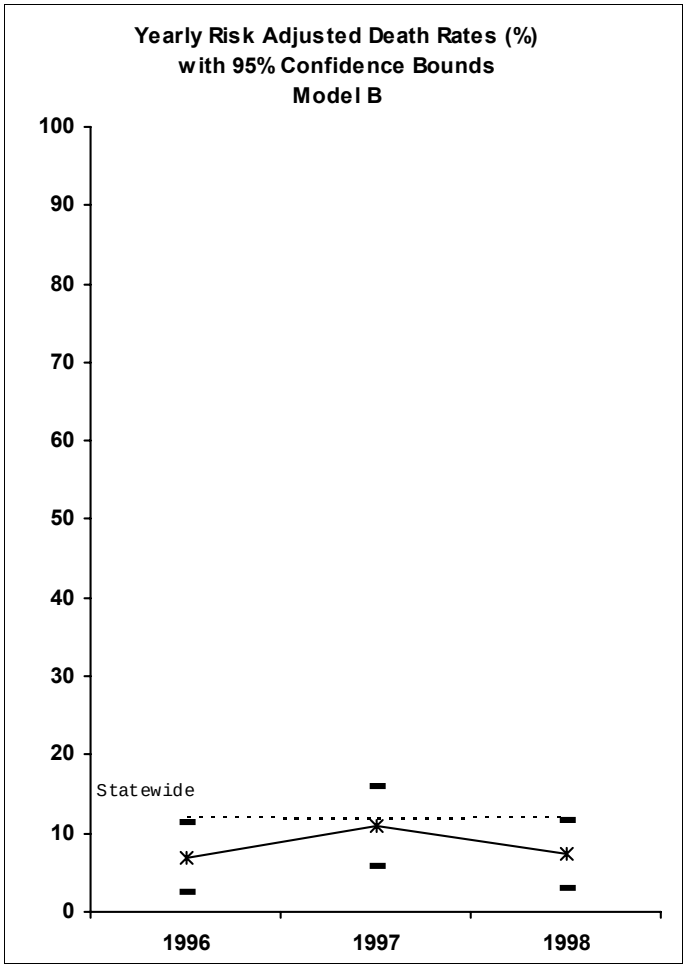
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Alameda County: Kaiser Foundation Hospital - Oakland (East Bay Medical Center)

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	575	39	70.4	7.3	6.8	12.3	6.7	4.2	9.2	0.000
	1996	12.17742	206	11	22.5	4.2	5.3	10.9	5.9	1.5	10.4	0.003
	1997	12.02517	161	15	20.9	4.0	9.3	13.0	8.6	4.2	13.1	0.081
	1998	12.06405	208	13	27.0	4.5	6.3	13.0	5.8	1.9	9.8	0.001
Model B	All Years	12.10683	575	39	57.4	6.4	6.8	10.0	8.2	5.6	10.9	0.002
	1996	12.18490	206	11	19.4	3.6	5.3	9.4	6.9	2.5	11.3	0.010
	1997	12.03332	161	15	16.5	3.5	9.3	10.3	10.9	5.9	15.9	0.394
	1998	12.10273	208	13	21.5	4.0	6.3	10.3	7.3	2.9	11.7	0.018



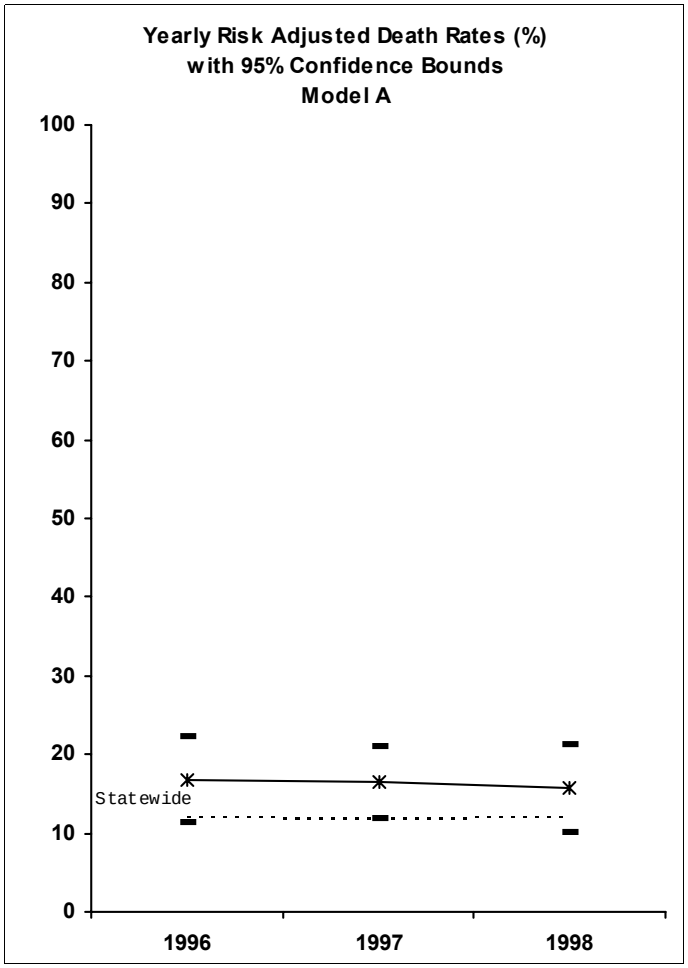


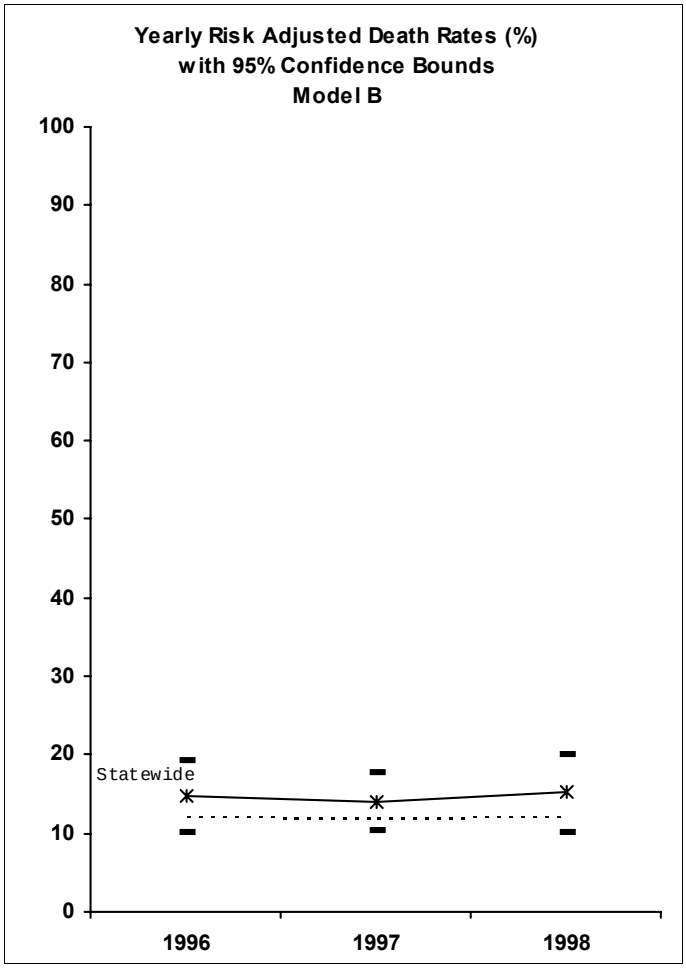
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Alameda County: San Leandro Hospital‡

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	337	66	48.7	6.1	19.6	14.4	16.4	13.4	19.3	0.004
	1996	12.17742	109	20	14.5	3.3	18.3	13.3	16.8	11.3	22.2	0.071
	1997	12.02517	128	28	20.4	3.9	21.9	15.9	16.5	12.0	21.0	0.038
	1998	12.06405	100	18	13.8	3.2	18.0	13.8	15.8	10.2	21.3	0.126
Model B	All Years	12.10683	335	66	54.8	5.7	19.7	16.4	14.6	12.1	17.0	0.033
	1996	12.18490	107	20	16.5	3.1	18.7	15.4	14.7	10.2	19.3	0.170
	1997	12.03332	128	28	24.0	3.7	21.9	18.7	14.0	10.4	17.7	0.171
	1998	12.10273	100	18	14.3	3.0	18.0	14.3	15.2	10.2	20.2	0.144



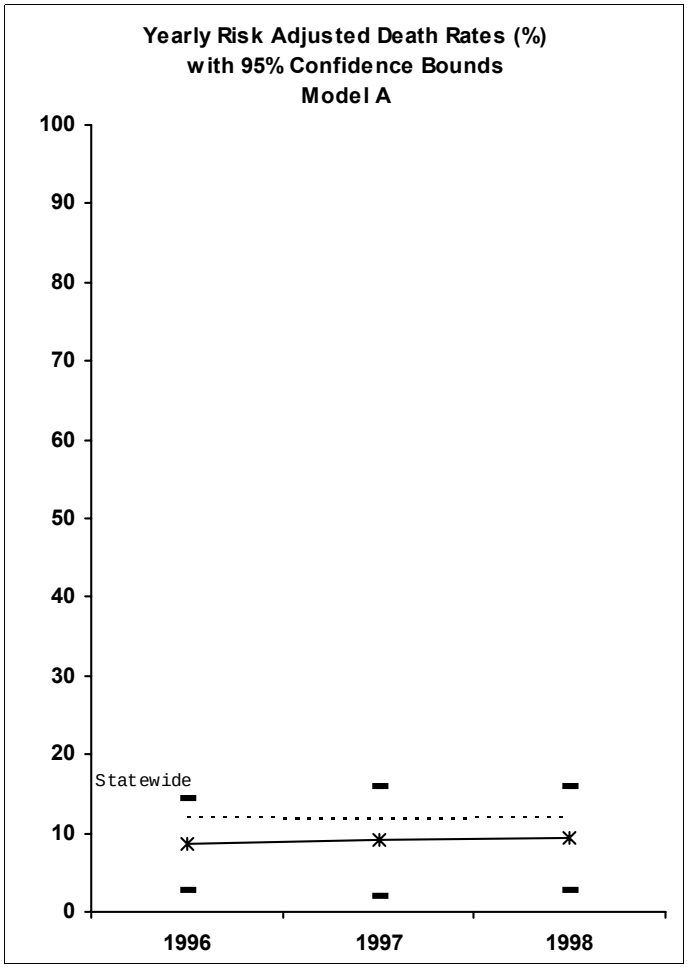


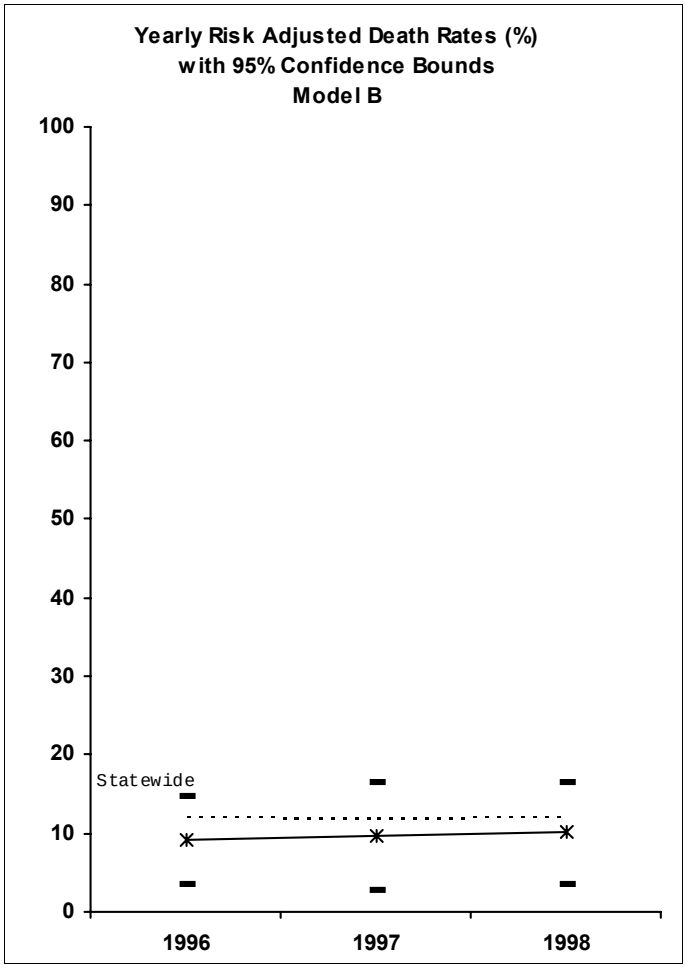
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Alameda County: St. Rose Hospital

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	263	24	32.2	5.0	9.1	12.3	9.0	5.3	12.7	0.057
	1996	12.17742	94	9	12.8	3.1	9.6	13.6	8.6	2.8	14.4	0.143
	1997	12.02517	89	7	9.3	2.7	7.9	10.4	9.1	2.1	16.1	0.267
	1998	12.06405	80	8	10.2	2.8	10.0	12.8	9.5	2.9	16.0	0.282
Model B	All Years	12.10683	262	24	30.3	4.6	9.2	11.6	9.6	6.0	13.2	0.100
	1996	12.18490	94	9	11.9	2.8	9.6	12.7	9.2	3.6	14.8	0.192
	1997	12.03332	88	7	8.7	2.5	8.0	9.9	9.6	2.8	16.5	0.322
	1998	12.10273	80	8	9.6	2.6	10.0	12.0	10.1	3.7	16.5	0.344



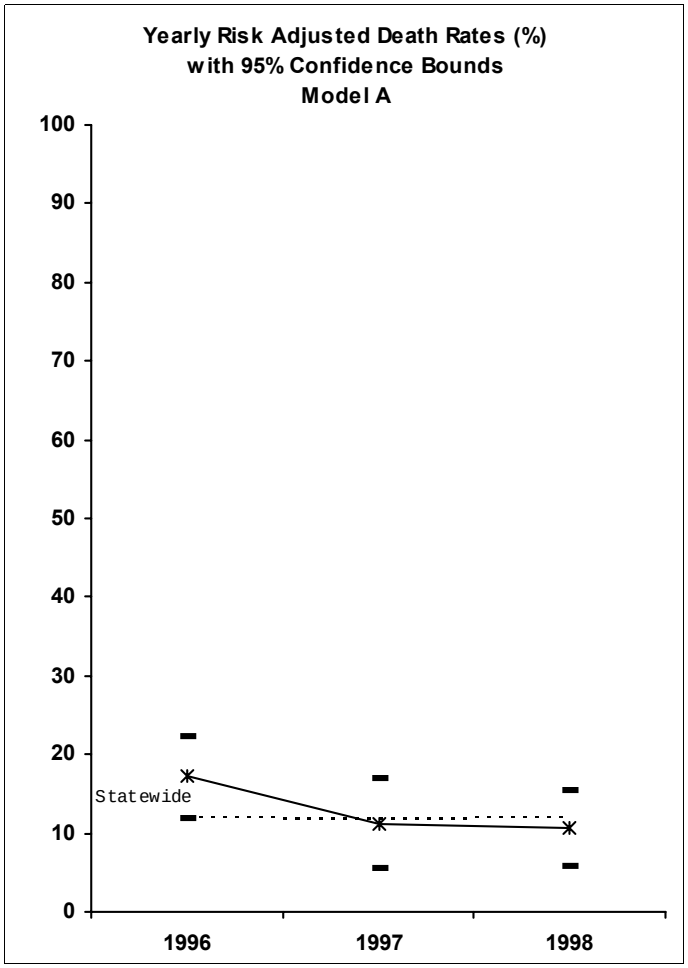


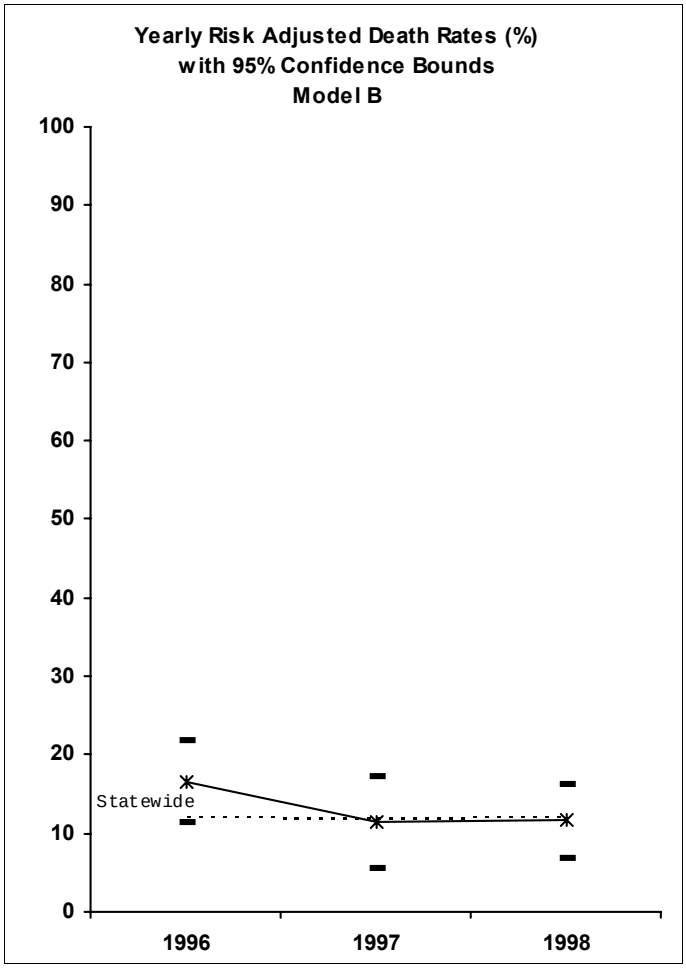
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Alameda County: Valley Memorial Hospital

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	498	53	49.3	6.3	10.6	9.9	13.0	10.0	16.0	0.303
	1996	12.17742	145	23	16.3	3.6	15.9	11.2	17.2	11.9	22.4	0.046
	1997	12.02517	158	13	13.9	3.4	8.2	8.8	11.2	5.5	17.0	0.466
	1998	12.06405	195	17	19.1	3.9	8.7	9.8	10.7	5.9	15.5	0.346
Model B	All Years	12.10683	487	49	45.0	5.7	10.1	9.2	13.2	10.2	16.2	0.265
	1996	12.18490	141	20	14.7	3.2	14.2	10.4	16.6	11.3	21.9	0.072
	1997	12.03332	155	12	12.6	3.1	7.7	8.1	11.5	5.7	17.2	0.499
	1998	12.10273	191	17	17.7	3.6	8.9	9.3	11.6	6.8	16.4	0.489



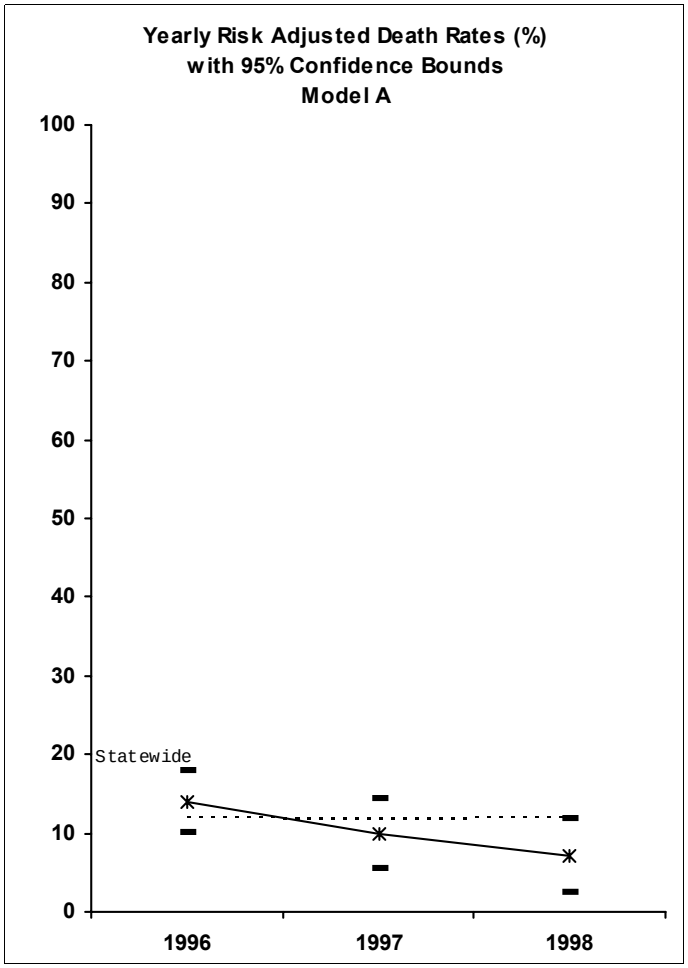


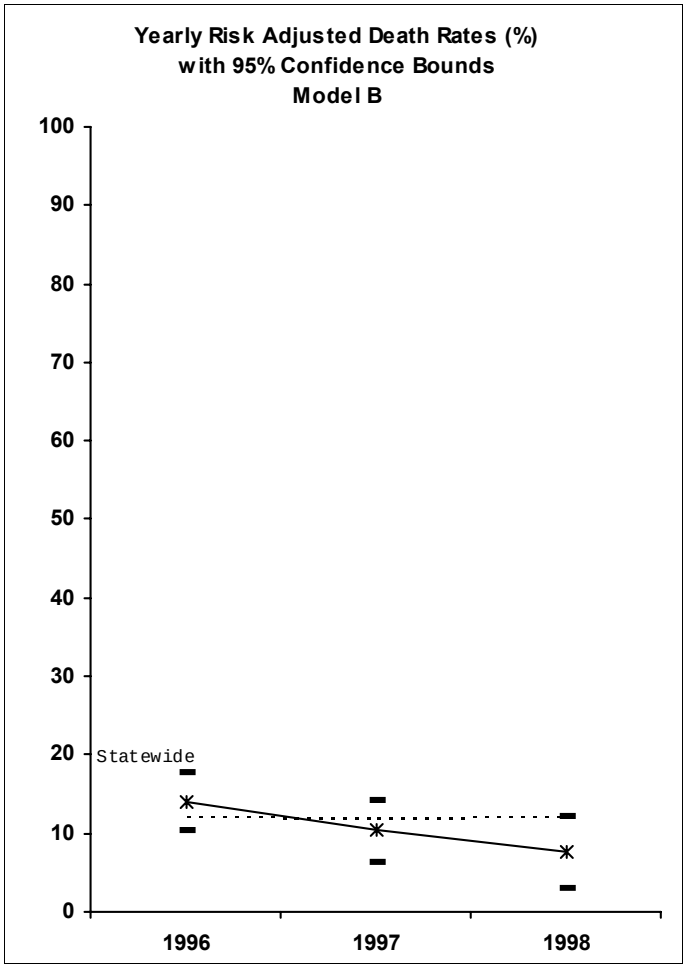
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Alameda County: Washington Hospital Health Care System

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	657	64	71.6	7.5	9.7	10.9	10.8	8.3	13.3	0.172
	1996	12.17742	254	33	28.7	4.7	13.0	11.3	14.0	10.1	18.0	0.206
	1997	12.02517	208	19	22.8	4.2	9.1	11.0	10.0	5.6	14.4	0.221
	1998	12.06405	195	12	20.1	4.0	6.2	10.3	7.2	2.5	11.9	0.023
Model B	All Years	12.10683	654	64	69.6	6.8	9.8	10.6	11.1	8.8	13.5	0.232
	1996	12.18490	253	33	28.5	4.4	13.0	11.3	14.1	10.5	17.8	0.177
	1997	12.03332	208	19	22.2	3.8	9.1	10.7	10.3	6.3	14.3	0.244
	1998	12.10273	193	12	18.9	3.7	6.2	9.8	7.7	3.1	12.3	0.035



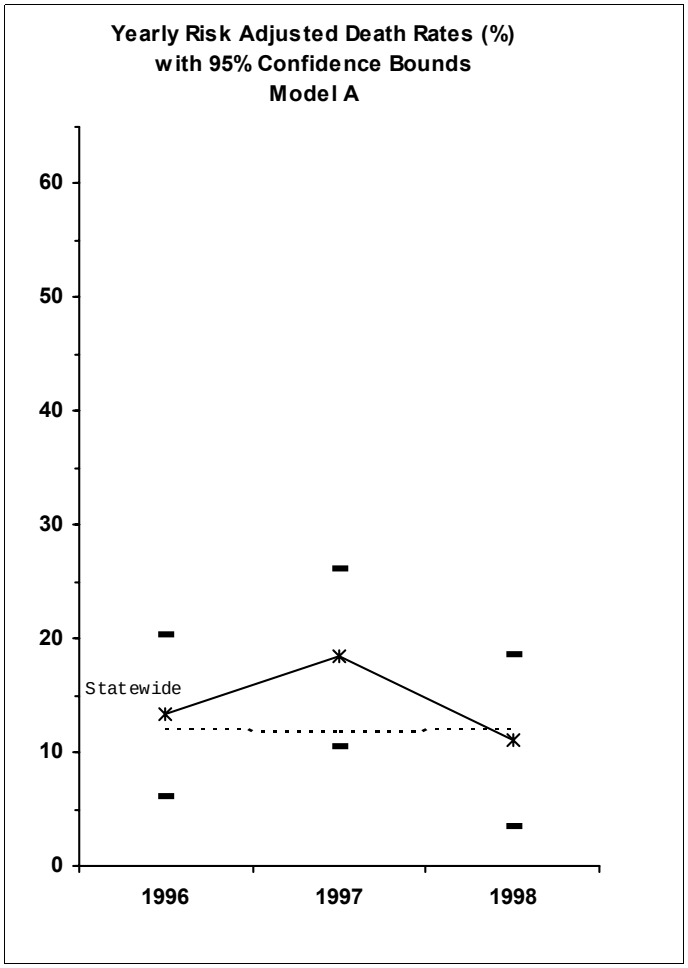


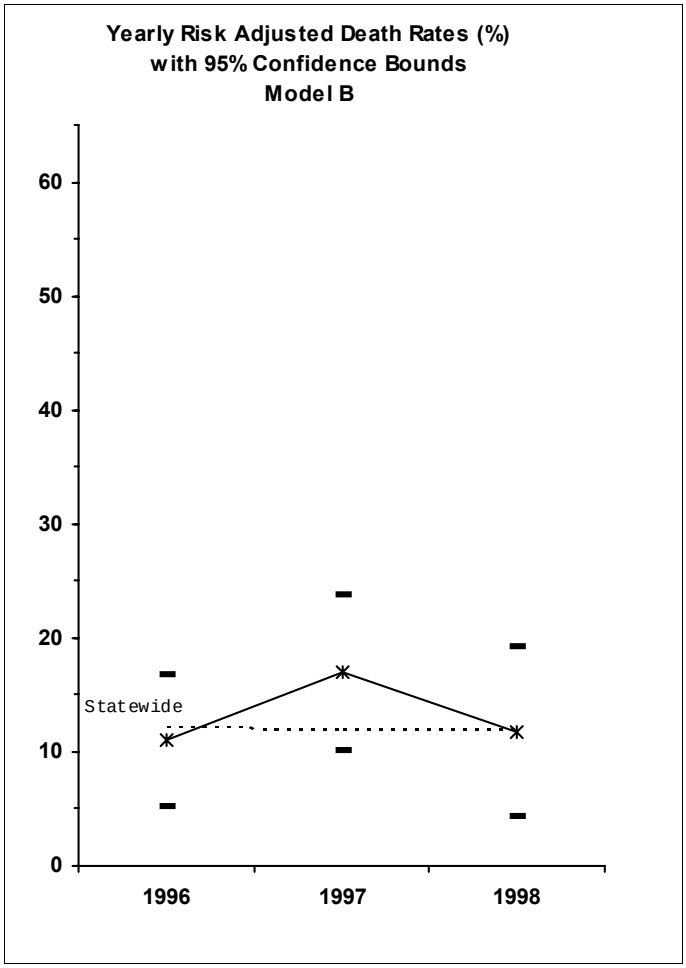
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Amador County Summary

		Statewide Death Rate (%)	Number of Hospitals Included	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds	
											Lower	Upper
Model A	All Years	12.1	1	203	28	24.0	4.4	13.8	11.8	14.1	9.8	18.4
	1996	12.2	1	84	10	9.2	2.7	11.9	10.9	13.3	6.2	20.4
	1997	12.0	1	60	11	7.2	2.4	18.3	12.0	18.4	10.6	26.2
	1998	12.1	1	59	7	7.7	2.4	11.9	13.0	11.0	3.5	18.6
Model B	All Years	12.1	1	202	28	26.0	4.2	13.9	12.9	13.0	9.2	16.8
	1996	12.2	1	84	10	11.0	2.7	11.9	13.1	11.0	5.3	16.8
	1997	12.0	1	59	11	7.8	2.3	18.6	13.2	17.0	10.1	23.8
	1998	12.1	1	59	7	7.2	2.3	11.9	12.2	11.8	4.3	19.3

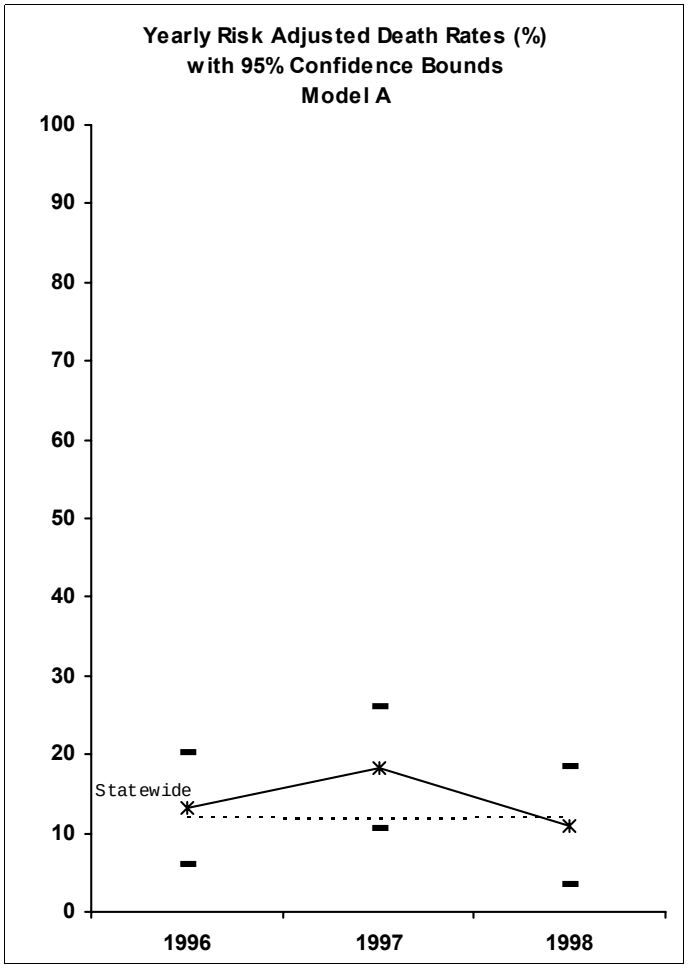


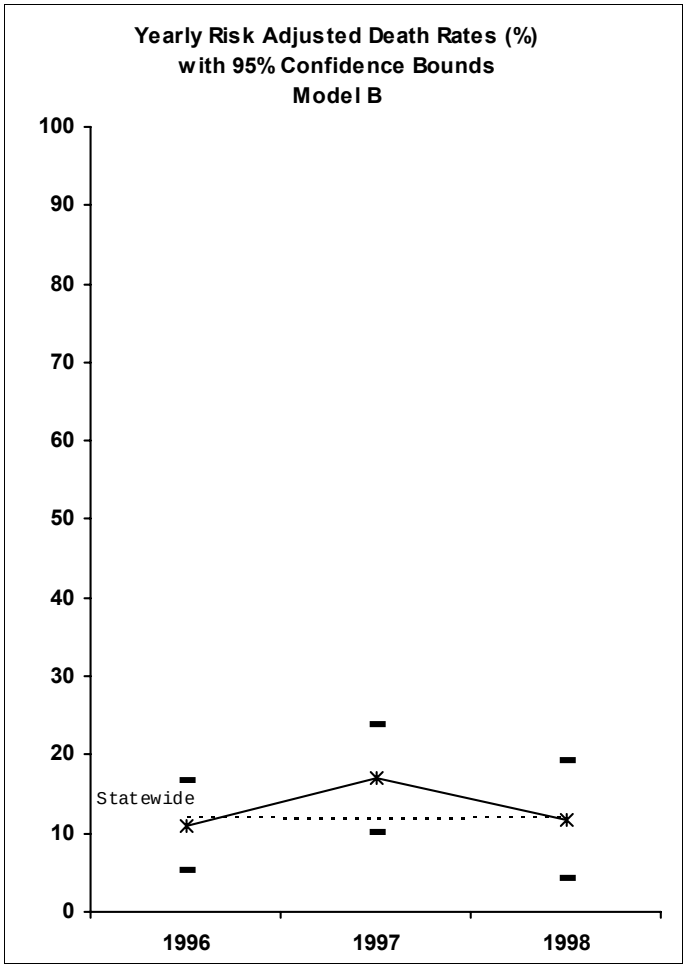


Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Amador County: Sutter Amador Hospital

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	203	28	24.0	4.4	13.8	11.8	14.1	9.8	18.4	0.210
	1996	12.17742	84	10	9.2	2.7	11.9	10.9	13.3	6.2	20.4	0.436
	1997	12.02517	60	11	7.2	2.4	18.3	12.0	18.4	10.6	26.2	0.088
	1998	12.06405	59	7	7.7	2.4	11.9	13.0	11.0	3.5	18.6	0.492
Model B	All Years	12.10683	202	28	26.0	4.2	13.9	12.9	13.0	9.2	16.8	0.356
	1996	12.18490	84	10	11.0	2.7	11.9	13.1	11.0	5.3	16.8	0.430
	1997	12.03332	59	11	7.8	2.3	18.6	13.2	17.0	10.1	23.8	0.119
	1998	12.10273	59	7	7.2	2.3	11.9	12.2	11.8	4.3	19.3	0.571

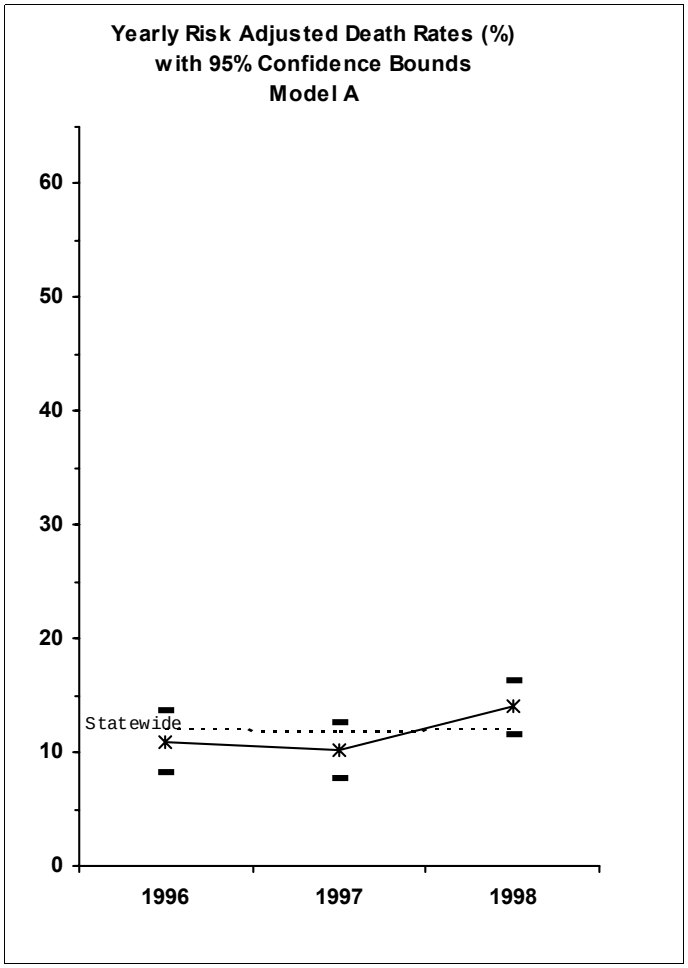


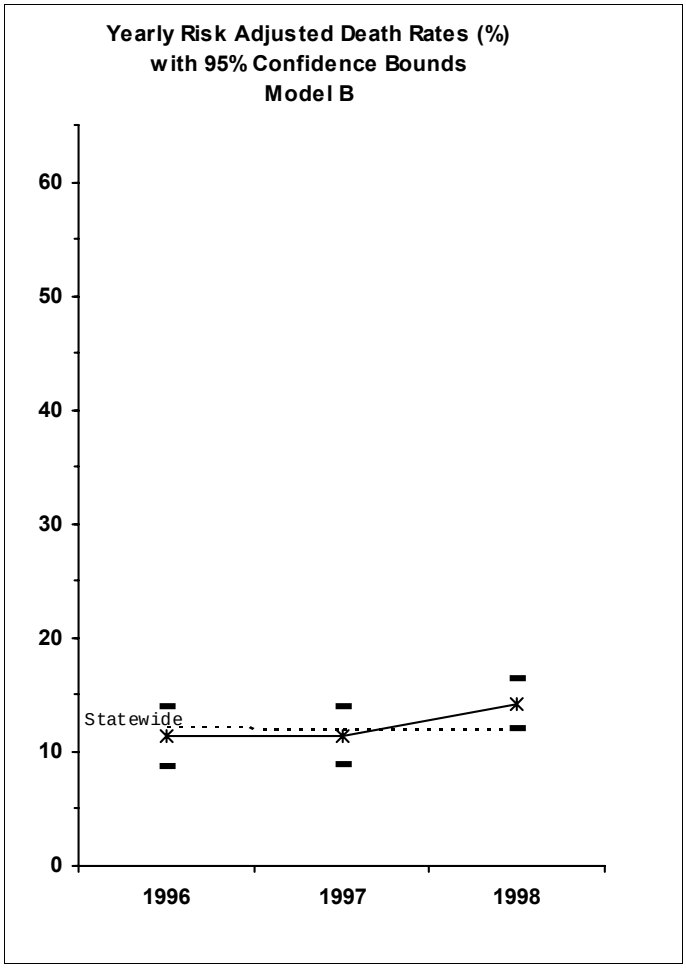


‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Butte County Summary												
		Statewide Death Rate (%)	Number of Hospitals Included	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds	
											Lower	Upper
Model A	All Years	12.1	4	1,583	201	204.8	12.6	12.7	12.9	11.9	10.4	13.3
	1996	12.2	4	474	53	58.8	6.8	11.2	12.4	11.0	8.2	13.7
	1997	12.0	4	532	60	70.3	7.3	11.3	13.2	10.3	7.8	12.7
	1998	12.1	4	577	88	75.7	7.6	15.3	13.1	14.0	11.6	16.4
Model B	All Years	12.1	4	1,580	201	194.2	11.5	12.7	12.3	12.5	11.1	13.9
	1996	12.2	4	474	53	56.5	6.2	11.2	11.9	11.4	8.8	14.1
	1997	12.0	4	532	60	63.0	6.6	11.3	11.8	11.5	9.0	13.9
	1998	12.1	4	574	88	74.7	7.0	15.3	13.0	14.3	12.0	16.5

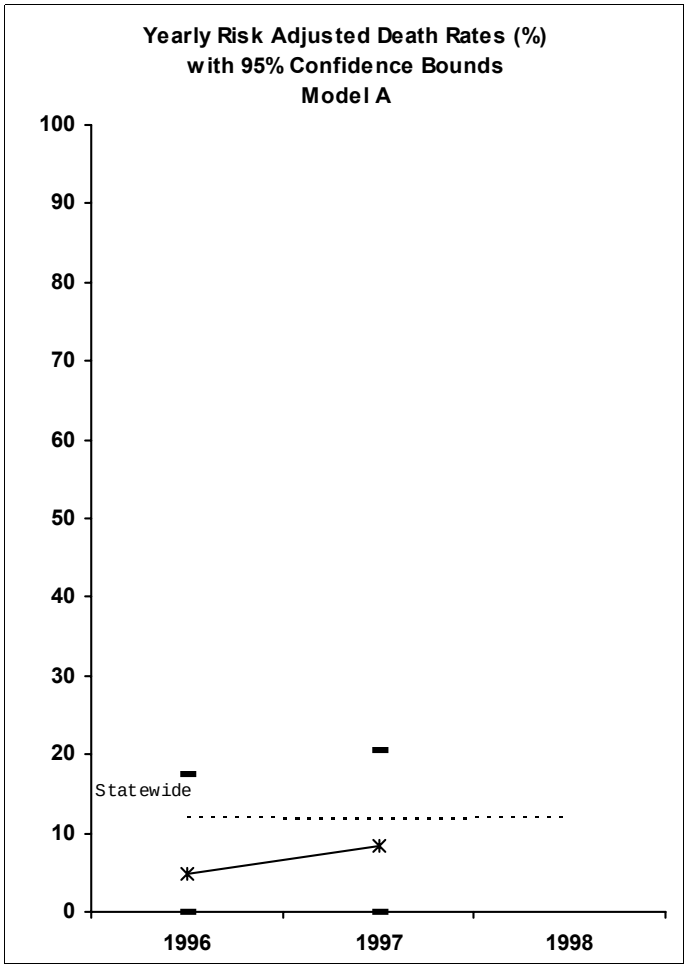


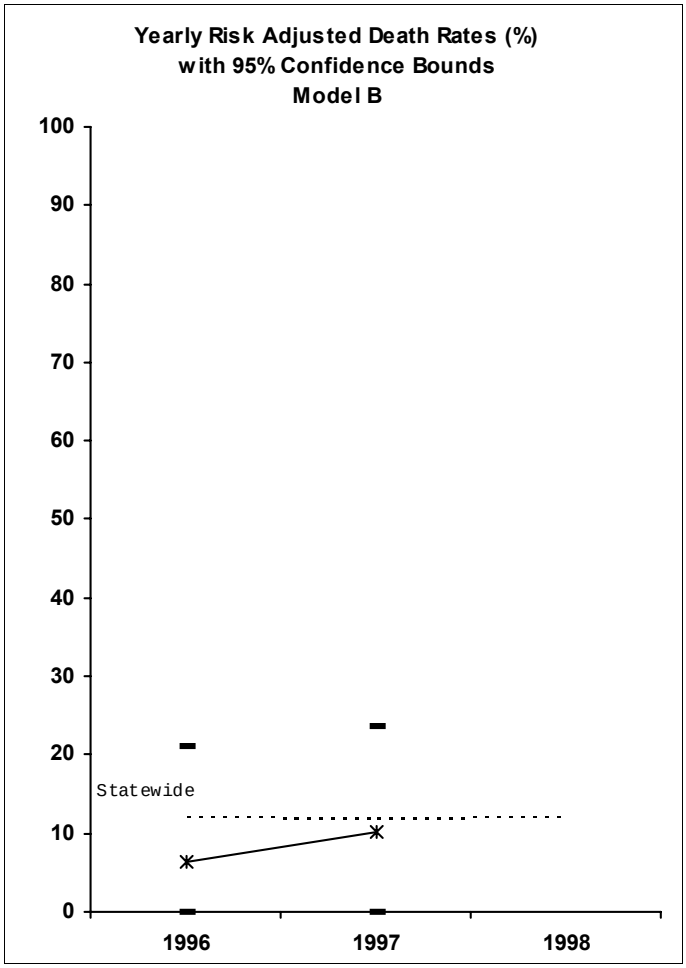


Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Butte County: Biggs Gridley Memorial Hospital

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	27	3	5.3	2.0	11.1	19.8	6.8	0.0	15.5	0.175
	1996	12.17742	13	1	2.5	1.3	7.7	19.2	4.9	0.0	17.5	0.233
	1997	12.02517	14	2	2.8	1.5	14.3	20.3	8.4	0.0	20.5	0.429
	1998	Excluded										
Model B	All Years	12.10683	27	3	4.3	1.8	11.1	15.8	8.5	0.0	18.4	0.349
	1996	12.18490	13	1	1.9	1.2	7.7	14.8	6.3	0.0	21.2	0.389
	1997	12.03332	14	2	2.3	1.3	14.3	16.7	10.3	0.0	23.6	0.575
	1998	Excluded										



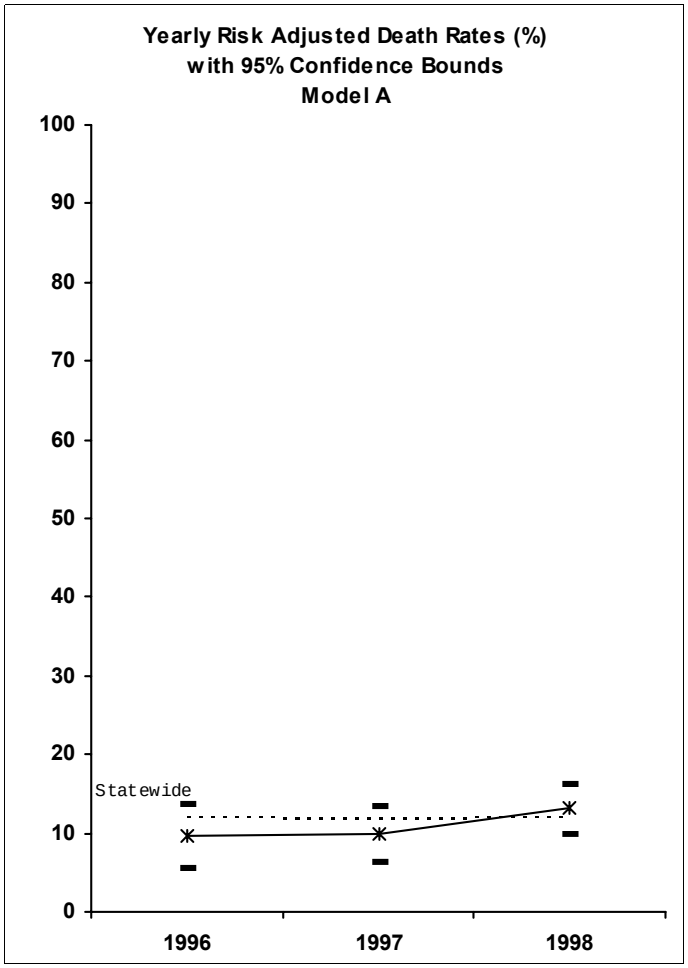


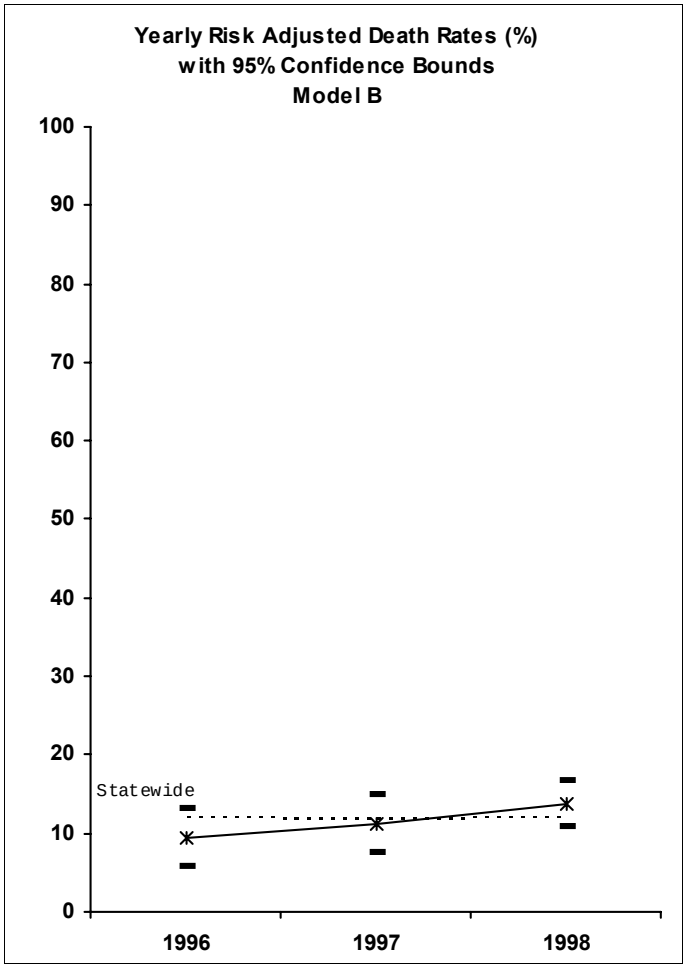
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Butte County: Enloe Medical Center - Esplanade

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	818	96	103.8	8.9	11.7	12.7	11.2	9.1	13.2	0.209
	1996	12.17742	232	21	26.6	4.6	9.1	11.5	9.6	5.5	13.8	0.133
	1997	12.02517	258	28	33.9	5.1	10.9	13.1	9.9	6.4	13.5	0.144
	1998	12.06405	328	47	43.3	5.8	14.3	13.2	13.1	9.9	16.2	0.287
Model B	All Years	12.10683	816	96	97.8	8.2	11.8	12.0	11.9	9.9	13.9	0.443
	1996	12.18490	232	21	26.9	4.2	9.1	11.6	9.5	5.7	13.3	0.099
	1997	12.03332	258	28	29.8	4.6	10.9	11.5	11.3	7.7	14.9	0.396
	1998	12.10273	326	47	41.0	5.2	14.4	12.6	13.9	10.8	16.9	0.148



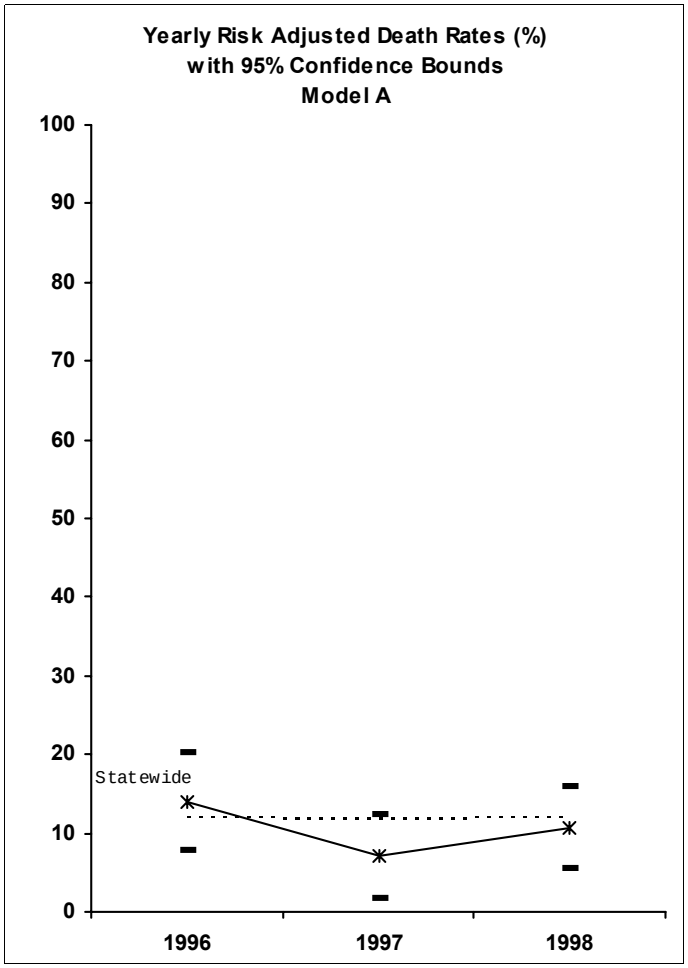


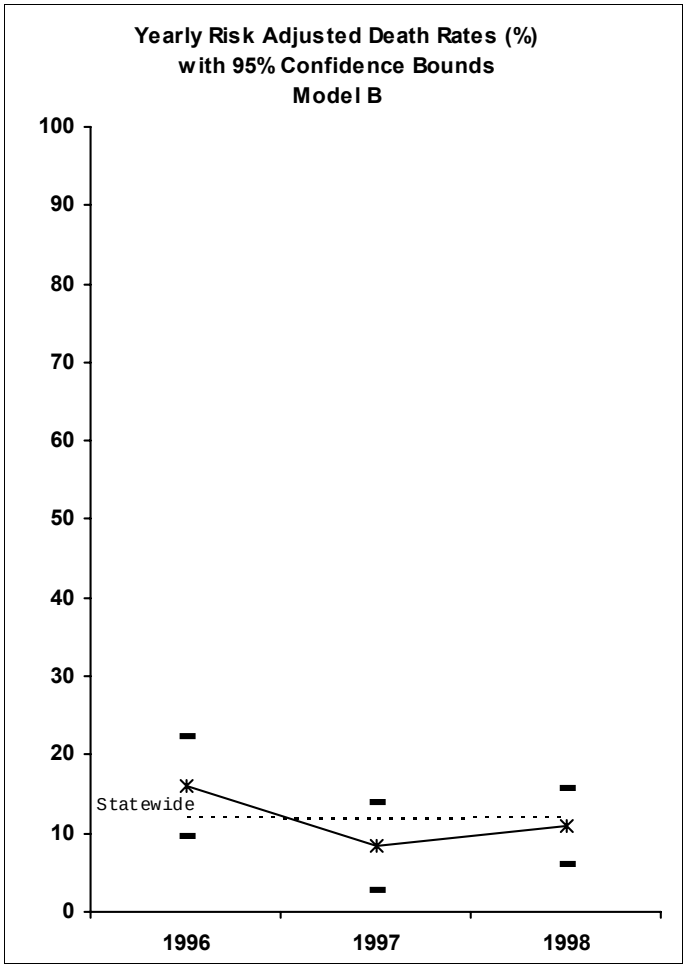
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Butte County: Feather River Hospital

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	302	36	42.3	5.7	11.9	14.0	10.3	7.1	13.5	0.156
	1996	12.17742	89	13	11.3	3.0	14.6	12.7	14.0	7.7	20.3	0.332
	1997	12.02517	109	9	15.2	3.4	8.3	14.0	7.1	1.8	12.4	0.042
	1998	12.06405	104	14	15.8	3.5	13.5	15.2	10.7	5.5	15.9	0.367
Model B	All Years	12.10683	301	36	38.6	5.2	12.0	12.8	11.3	8.1	14.5	0.350
	1996	12.18490	89	13	9.9	2.6	14.6	11.2	16.0	9.6	22.3	0.163
	1997	12.03332	109	9	13.0	3.1	8.3	11.9	8.3	2.7	14.0	0.128
	1998	12.10273	103	14	15.7	3.2	13.6	15.2	10.8	6.0	15.7	0.366



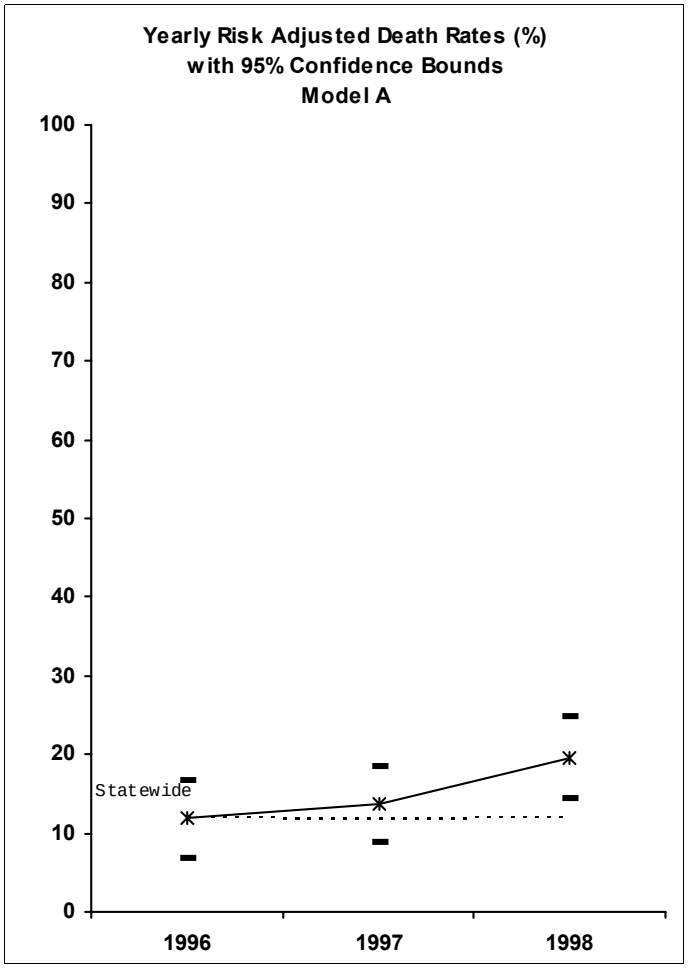


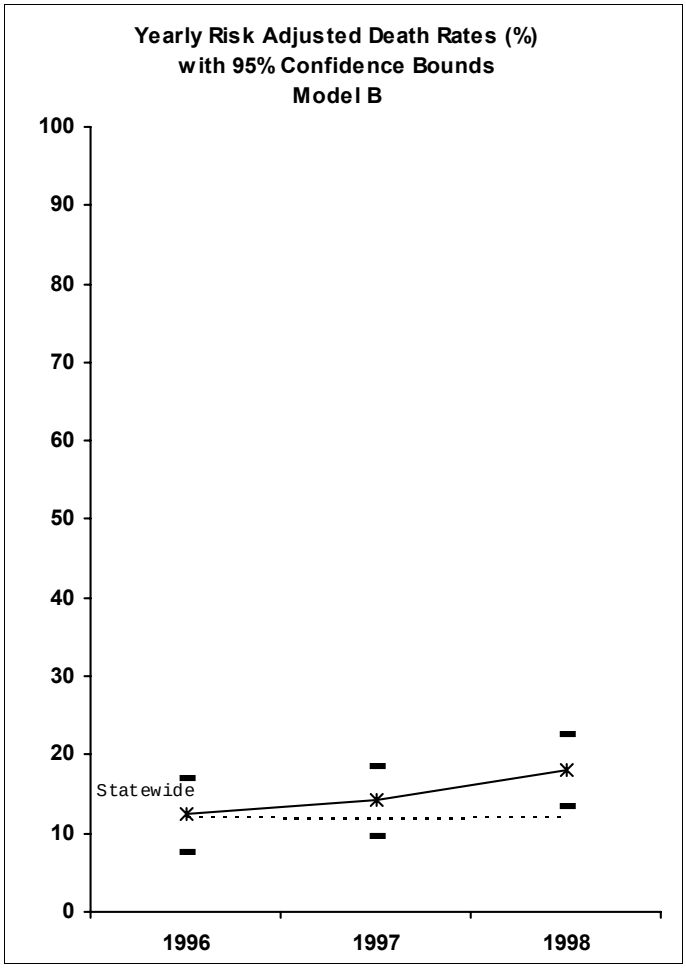
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Butte County: Oroville Hospital

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	436	66	53.4	6.4	15.1	12.3	14.9	12.1	17.8	0.032
	1996	12.17742	140	18	18.5	3.8	12.9	13.2	11.9	7.0	16.8	0.512
	1997	12.02517	151	21	18.3	3.7	13.9	12.1	13.8	9.0	18.6	0.276
	1998	12.06405	145	27	16.6	3.6	18.6	11.4	19.6	14.5	24.8	0.005
Model B	All Years	12.10683	436	66	53.6	6.0	15.1	12.3	14.9	12.3	17.6	0.025
	1996	12.18490	140	18	17.7	3.5	12.9	12.7	12.4	7.6	17.1	0.515
	1997	12.03332	151	21	17.8	3.4	13.9	11.8	14.2	9.7	18.6	0.210
	1998	12.10273	145	27	18.0	3.5	18.6	12.4	18.1	13.6	22.7	0.009



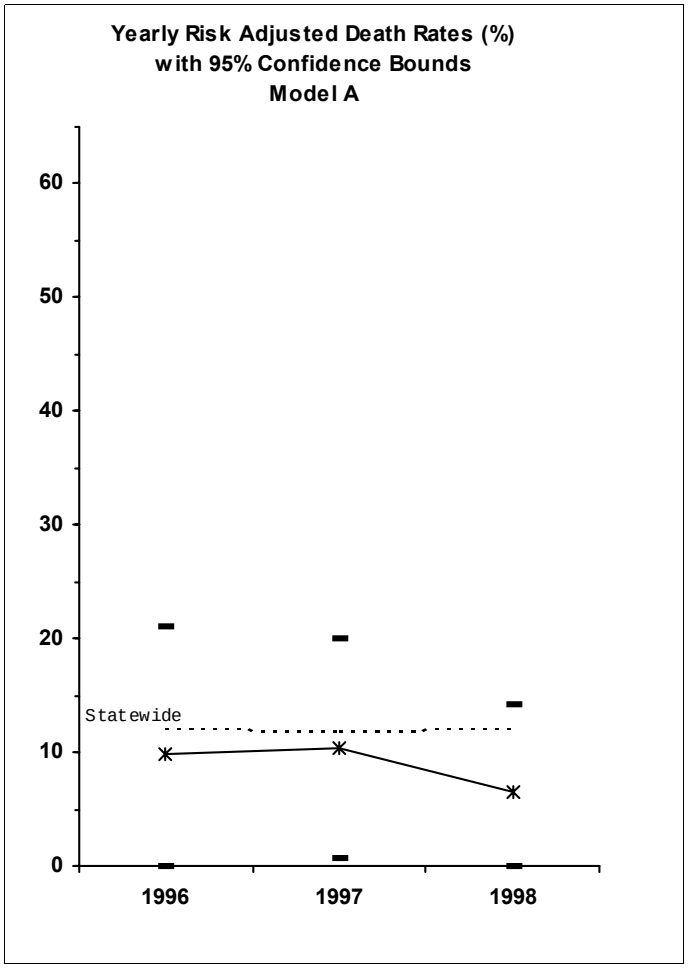


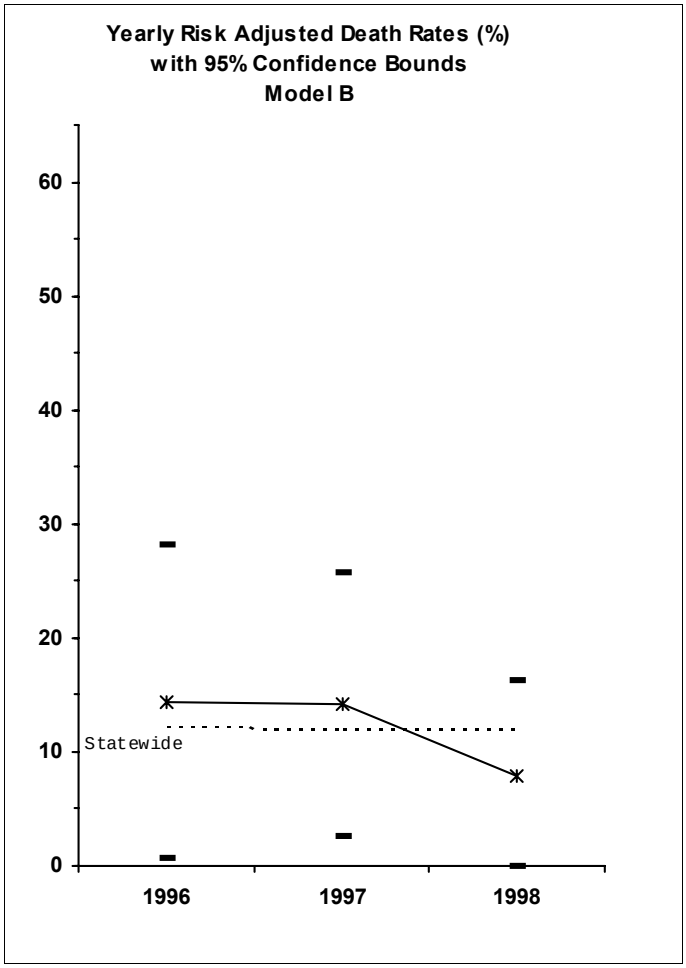
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Calaveras County Summary

		Statewide Death Rate (%)	Number of Hospitals Included	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds	
											Lower	Upper
Model A	All Years	12.1	1	136	11	15.8	3.5	8.1	11.6	8.4	3.1	13.7
	1996	12.2	1	31	3	3.7	1.7	9.7	11.9	9.9	0.0	21.0
	1997	12.0	1	39	4	4.7	1.9	10.3	11.9	10.3	0.7	19.9
	1998	12.1	1	66	4	7.5	2.4	6.1	11.3	6.5	0.0	14.2
Model B	All Years	12.1	1	135	11	12.1	3.1	8.1	8.9	11.1	5.0	17.1
	1996	12.2	1	31	3	2.5	1.5	9.7	8.2	14.4	0.7	28.1
	1997	12.0	1	39	4	3.4	1.7	10.3	8.7	14.2	2.7	25.7
	1998	12.1	1	65	4	6.1	2.2	6.2	9.4	7.9	0.0	16.3

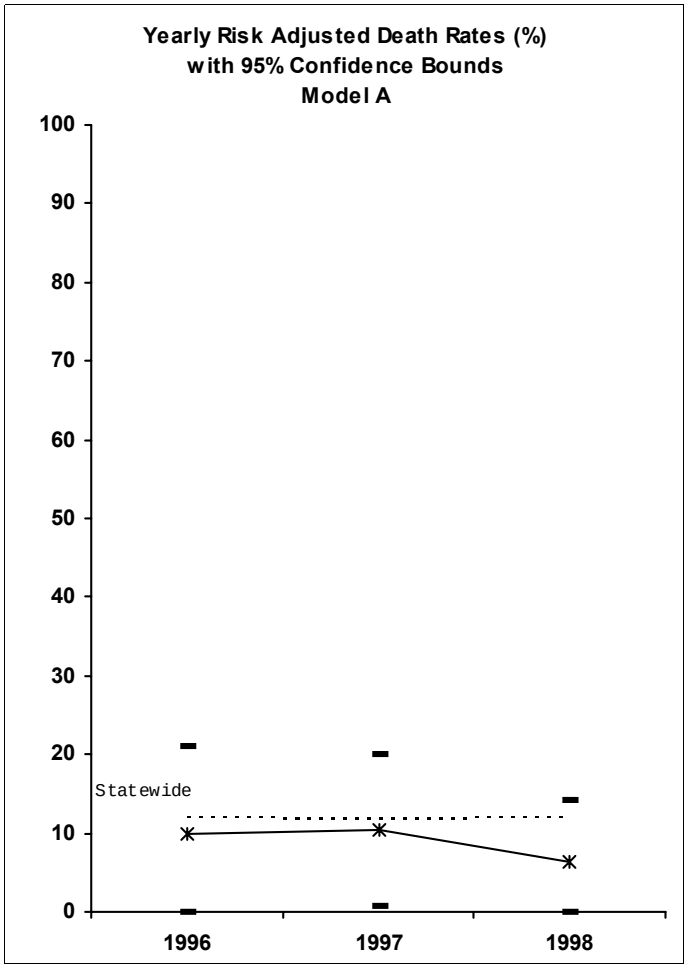


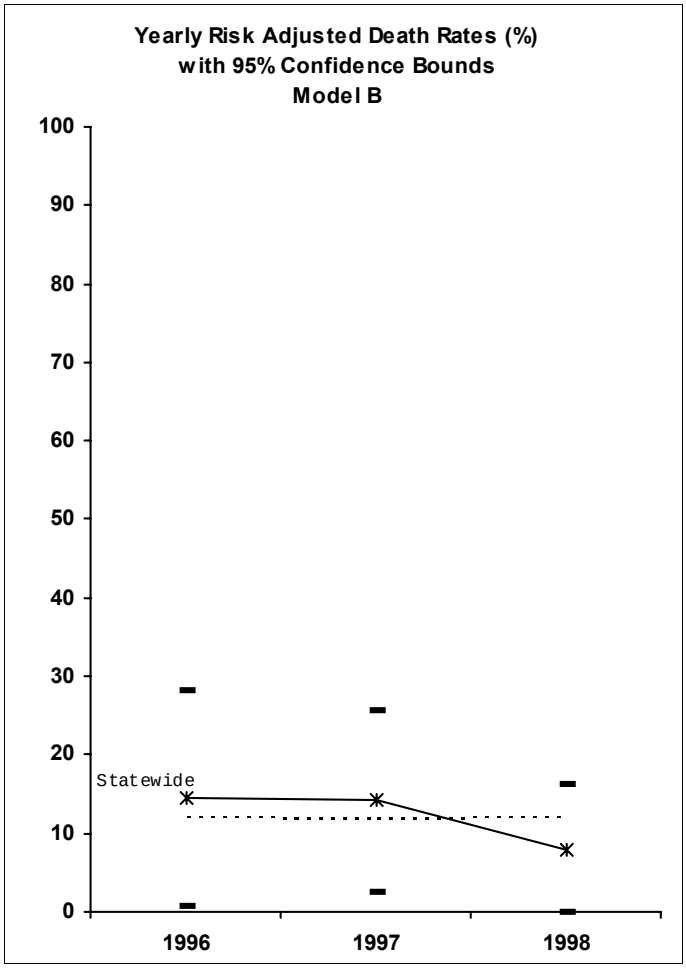


Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Calaveras County: Mark Twain St. Joseph's Hospital

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	136	11	15.8	3.5	8.1	11.6	8.4	3.1	13.7	0.108
	1996	12.17742	31	3	3.7	1.7	9.7	11.9	9.9	0.0	21.0	0.478
	1997	12.02517	39	4	4.7	1.9	10.3	11.9	10.3	0.7	19.9	0.489
	1998	12.06405	66	4	7.5	2.4	6.1	11.3	6.5	0.0	14.2	0.107
Model B	All Years	12.10683	135	11	12.1	3.1	8.1	8.9	11.1	5.0	17.1	0.443
	1996	12.18490	31	3	2.5	1.5	9.7	8.2	14.4	0.7	28.1	0.477
	1997	12.03332	39	4	3.4	1.7	10.3	8.7	14.2	2.7	25.7	0.449
	1998	12.10273	65	4	6.1	2.2	6.2	9.4	7.9	0.0	16.3	0.234



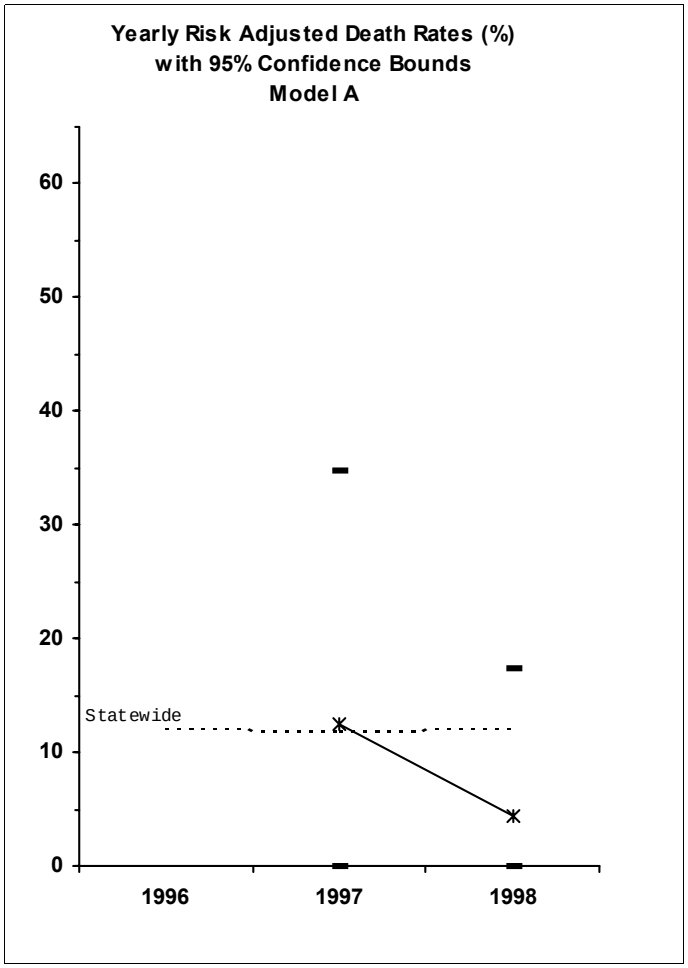


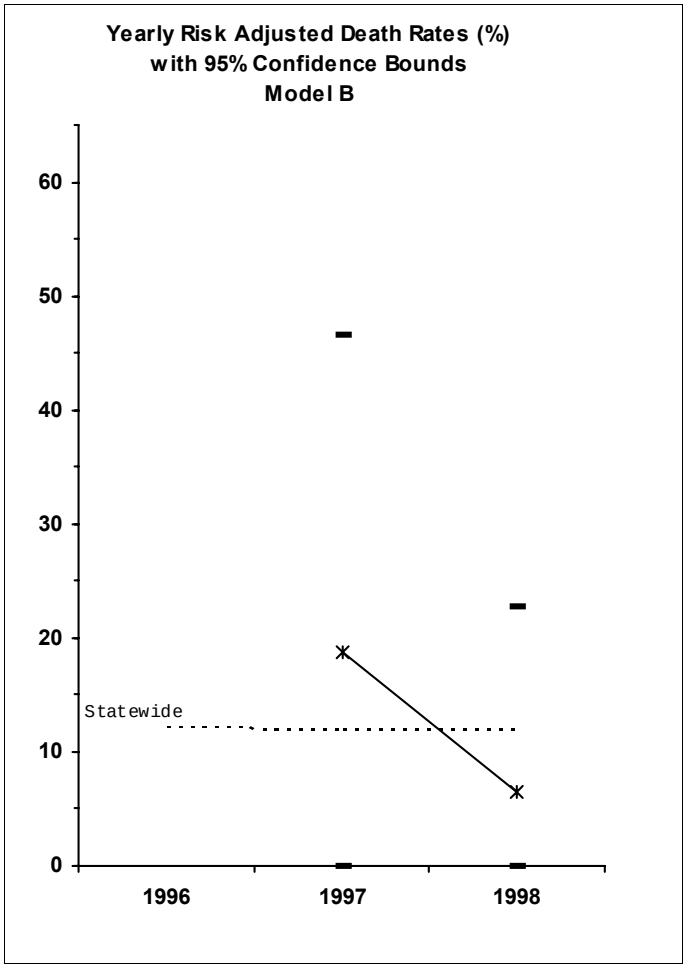
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Colusa County Summary

		Statewide Death Rate (%)	Number of Hospitals Included	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds	
											Lower	Upper
Model A	All Years	12.1	1	32	2	3.7	1.7	6.3	11.5	6.6	0.0	17.8
	1996	12.2	0									
	1997	12.0	1	9	1	1.0	0.9	11.1	10.7	12.5	0.0	34.7
	1998	12.1	1	23	1	2.7	1.5	4.3	11.8	4.5	0.0	17.4
Model B	All Years	12.1	1	32	2	2.5	1.5	6.3	7.8	9.7	0.0	23.8
	1996	12.2	0									
	1997	12.0	1	9	1	0.6	0.8	11.1	7.1	18.8	0.0	46.6
	1998	12.1	1	23	1	1.8	1.3	4.3	8.0	6.5	0.0	22.8

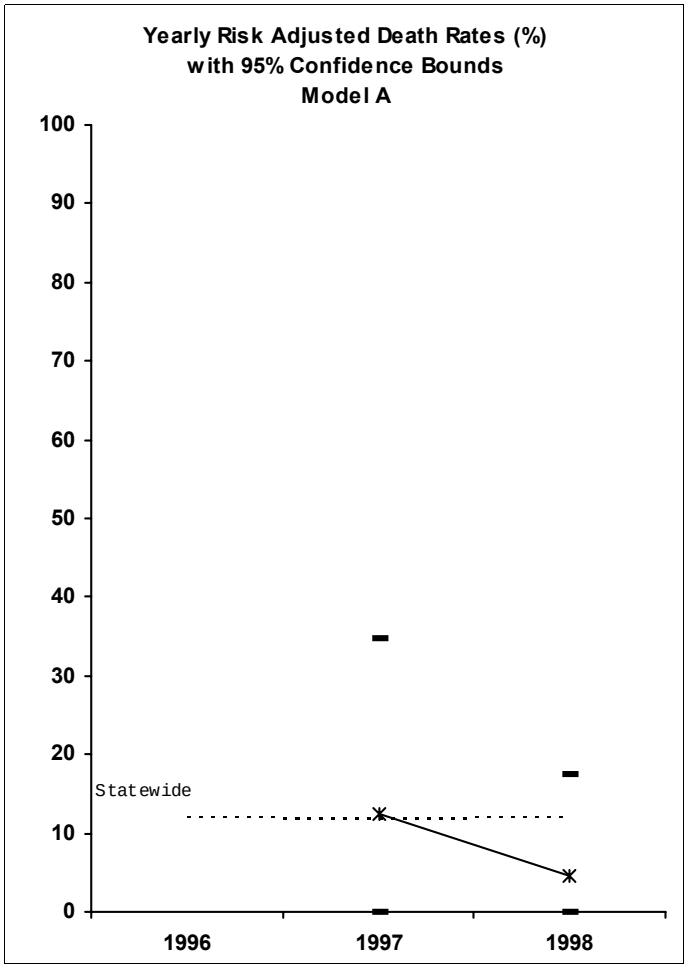


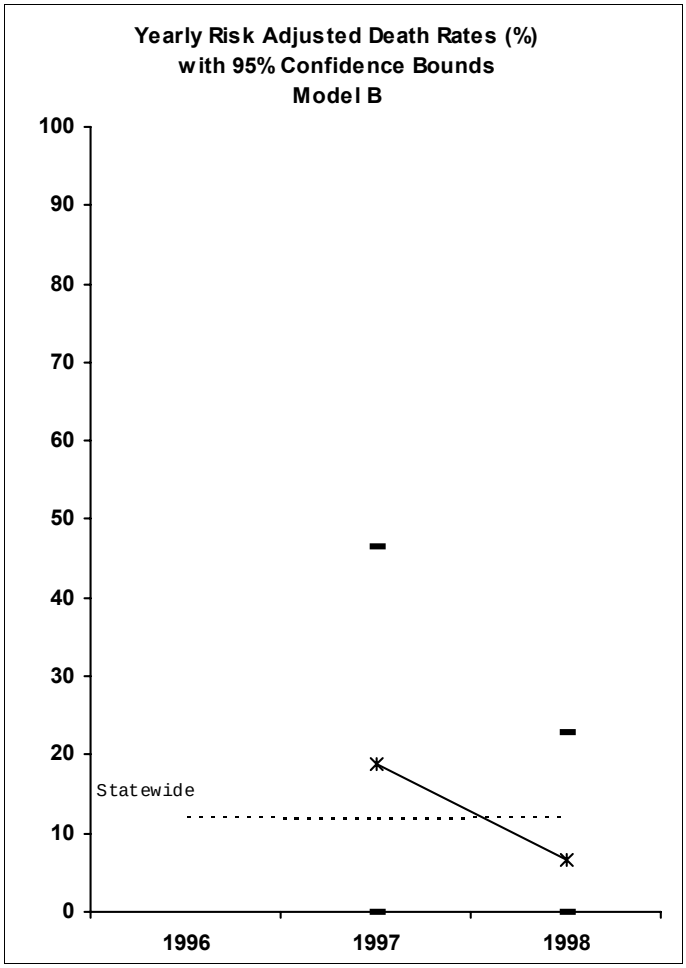


Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Colusa County: Colusa Community Hospital

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	32	2	3.7	1.7	6.3	11.5	6.6	0.0	17.8	0.264
	1996	Excluded										
	1997	12.02517	9	1	1.0	0.9	11.1	10.7	12.5	0.0	34.7	0.647
	1998	12.06405	23	1	2.7	1.5	4.3	11.8	4.5	0.0	17.4	0.216
Model B	All Years	12.10683	32	2	2.5	1.5	6.3	7.8	9.7	0.0	23.8	0.539
	1996	Excluded										
	1997	12.03332	9	1	0.6	0.8	11.1	7.1	18.8	0.0	46.6	0.493
	1998	12.10273	23	1	1.8	1.3	4.3	8.0	6.5	0.0	22.8	0.431



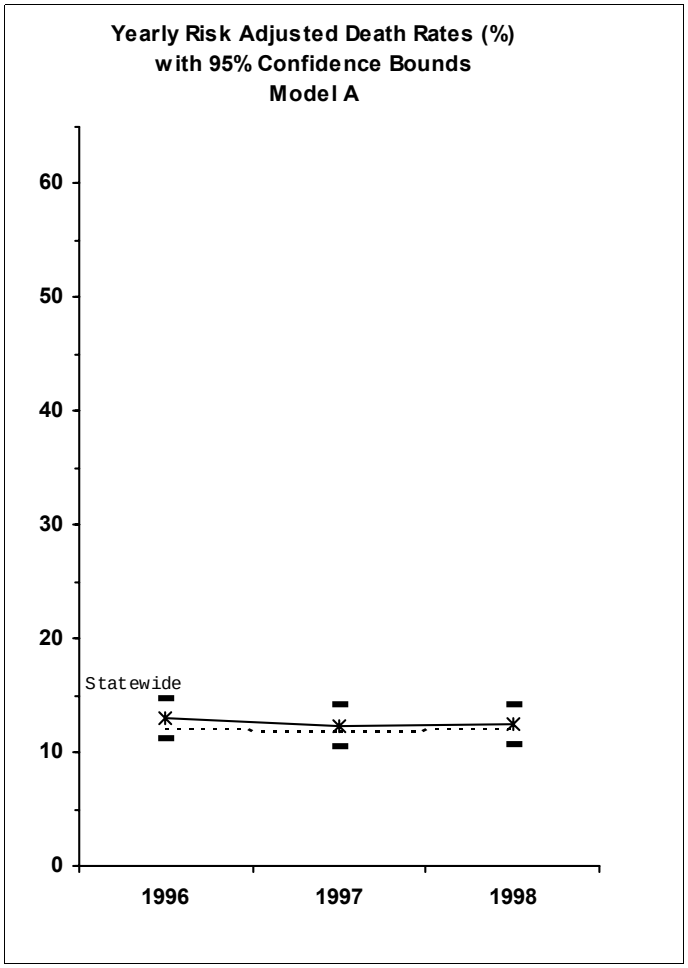


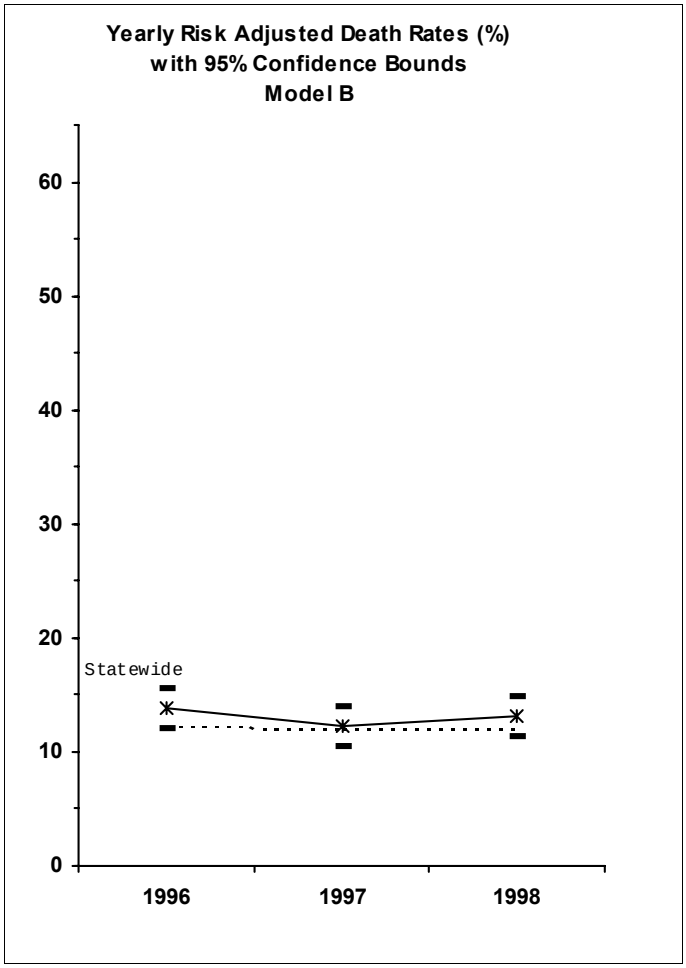
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Contra Costa County Summary

		Statewide Death Rate (%)	Number of Hospitals Included	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds	
											Lower	Upper
Model A	All Years	12.1	9	3,862	428	410.5	18.1	11.1	10.6	12.6	11.6	13.6
	1996	12.2	9	1,295	152	142.0	10.6	11.7	11.0	13.0	11.3	14.8
	1997	12.0	9	1,306	134	130.9	10.3	10.3	10.0	12.3	10.5	14.2
	1998	12.1	9	1,261	142	137.6	10.5	11.3	10.9	12.5	10.7	14.2
Model B	All Years	12.1	9	3,834	428	395.7	16.4	11.2	10.3	13.1	12.1	14.1
	1996	12.2	9	1,286	152	133.9	9.5	11.8	10.4	13.8	12.1	15.5
	1997	12.0	9	1,291	134	131.6	9.4	10.4	10.2	12.3	10.6	13.9
	1998	12.1	9	1,257	142	130.2	9.6	11.3	10.4	13.2	11.5	14.9

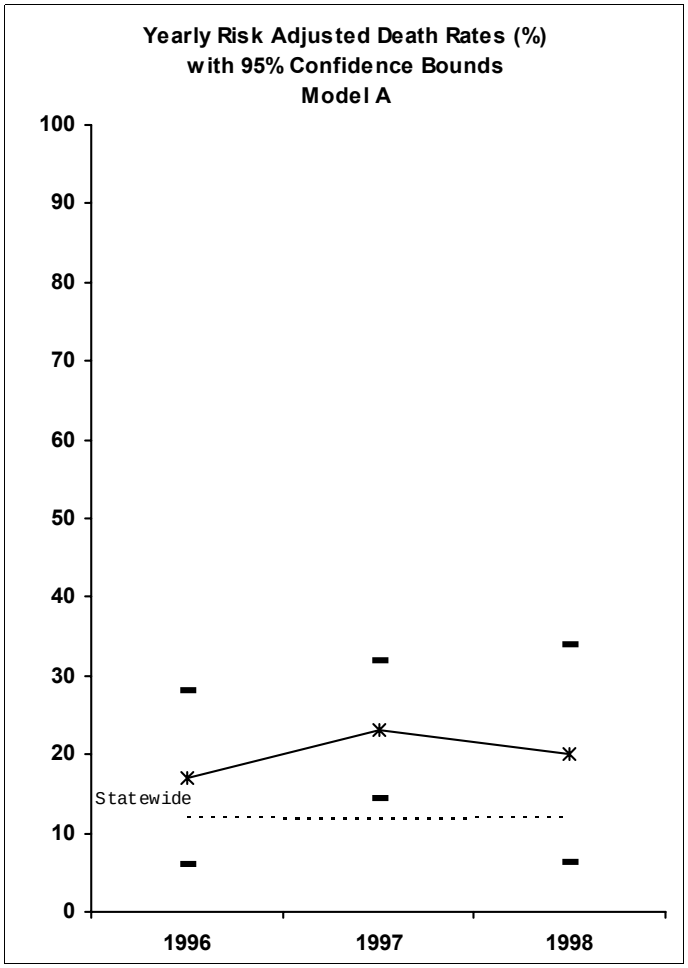


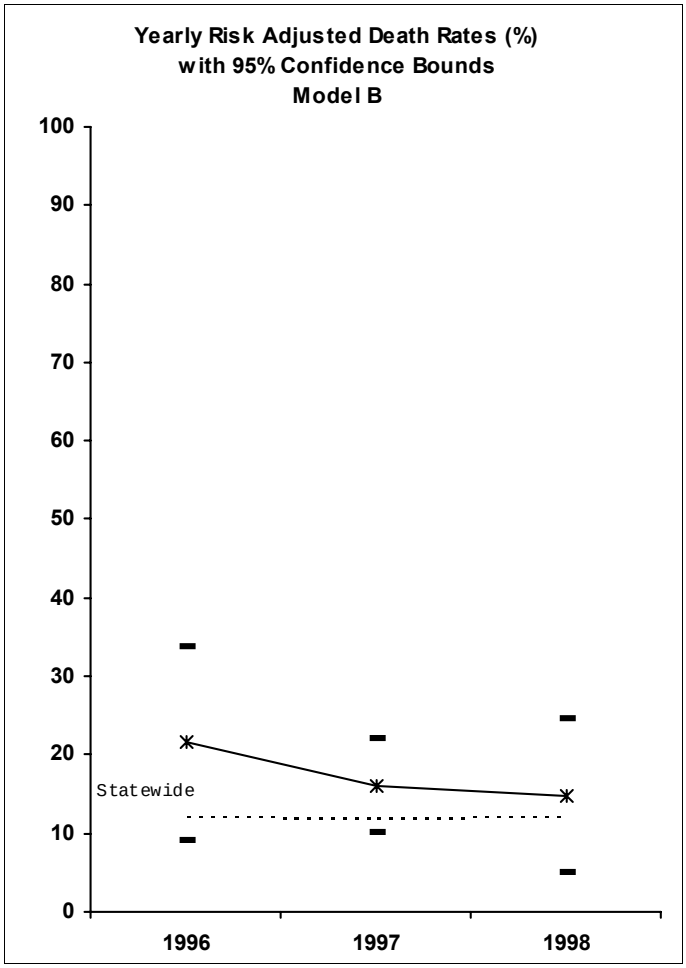


Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Contra Costa County: Contra Costa Regional Medical Center

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	109	20	11.7	3.0	18.3	10.7	20.7	14.6	26.9	0.007
	1996	12.17742	38	5	3.6	1.7	13.2	9.4	17.0	6.0	28.1	0.275
	1997	12.02517	50	11	5.7	2.1	22.0	11.4	23.2	14.4	32.0	0.017
	1998	12.06405	21	4	2.4	1.4	19.0	11.4	20.1	6.4	33.9	0.205
Model B	All Years	12.10683	109	20	14.3	2.9	18.3	13.2	16.9	12.1	21.6	0.039
	1996	12.18490	38	5	2.8	1.5	13.2	7.4	21.6	9.3	33.9	0.126
	1997	12.03332	50	11	8.2	2.1	22.0	16.5	16.1	10.1	22.0	0.137
	1998	12.10273	21	4	3.3	1.3	19.0	15.6	14.8	5.0	24.6	0.413



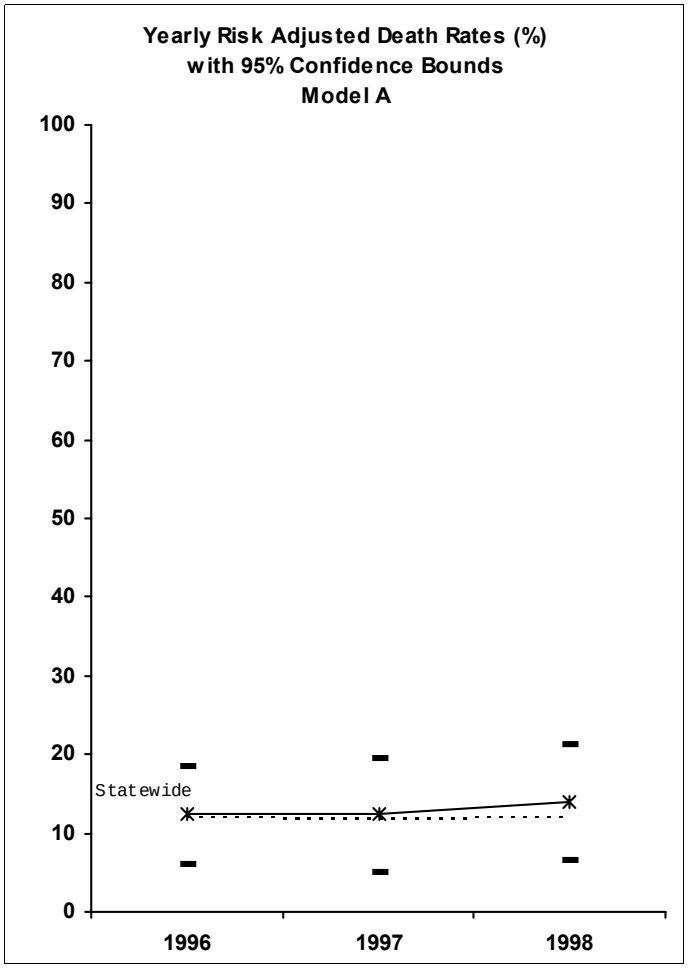


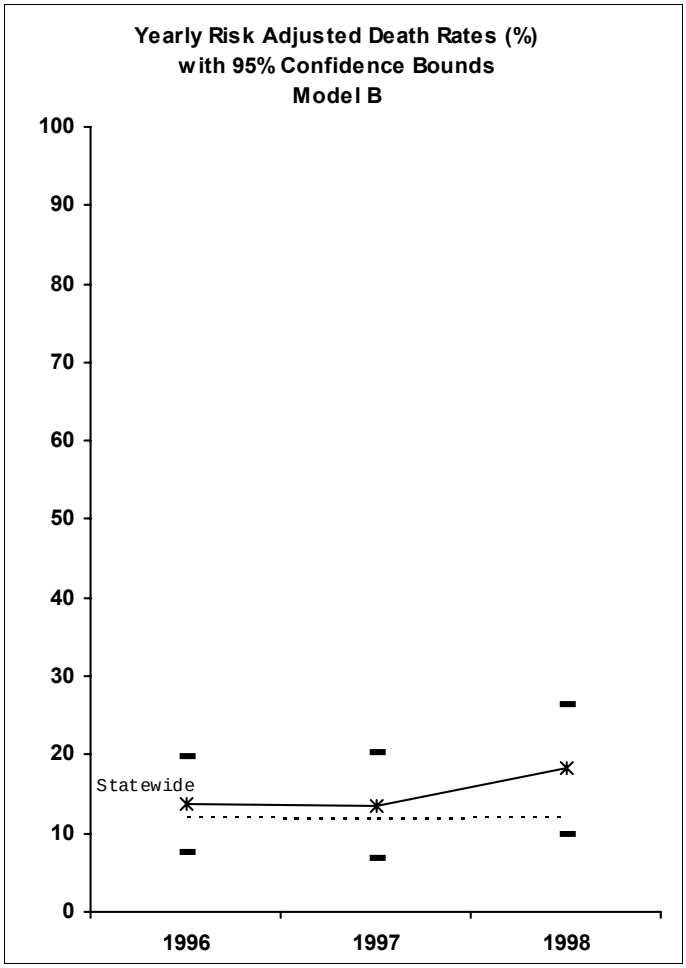
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Contra Costa County: Doctors Medical Center, Pinole Campus

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	276	31	29.2	4.9	11.2	10.6	12.8	8.9	16.8	0.385
	1996	12.17742	111	12	11.8	3.1	10.8	10.6	12.4	6.1	18.6	0.526
	1997	12.02517	83	9	8.7	2.7	10.8	10.5	12.4	5.2	19.6	0.516
	1998	12.06405	82	10	8.6	2.7	12.2	10.5	14.0	6.7	21.3	0.359
Model B	All Years	12.10683	267	31	25.2	4.3	11.6	9.4	14.9	10.9	18.9	0.108
	1996	12.18490	109	12	10.6	2.7	11.0	9.7	13.8	7.7	19.9	0.356
	1997	12.03332	79	9	8.0	2.3	11.4	10.1	13.6	6.8	20.4	0.395
	1998	12.10273	79	10	6.6	2.3	12.7	8.4	18.2	9.9	26.5	0.112



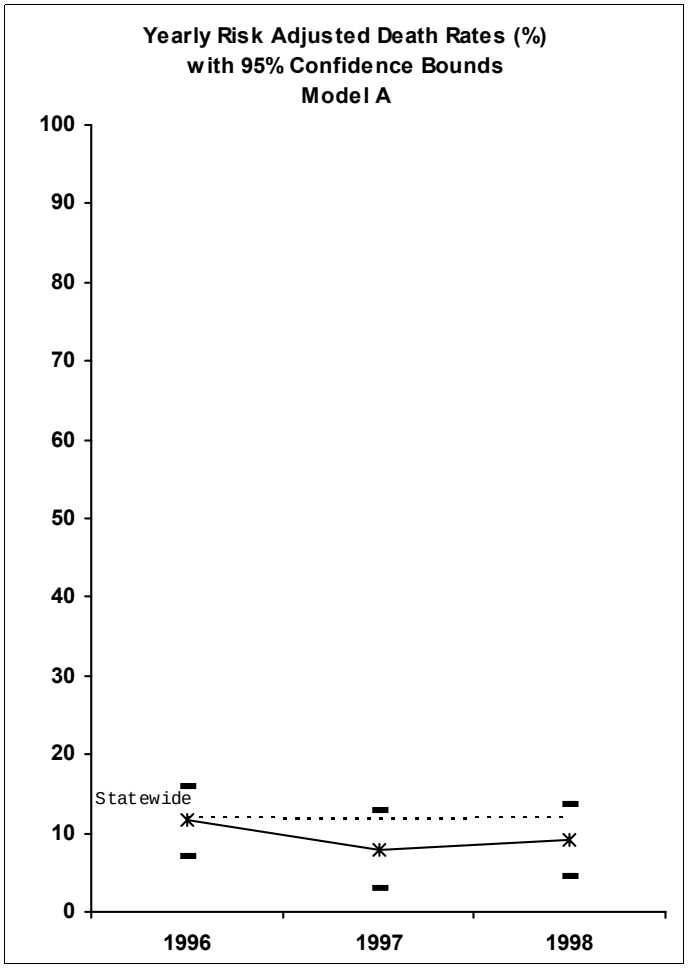


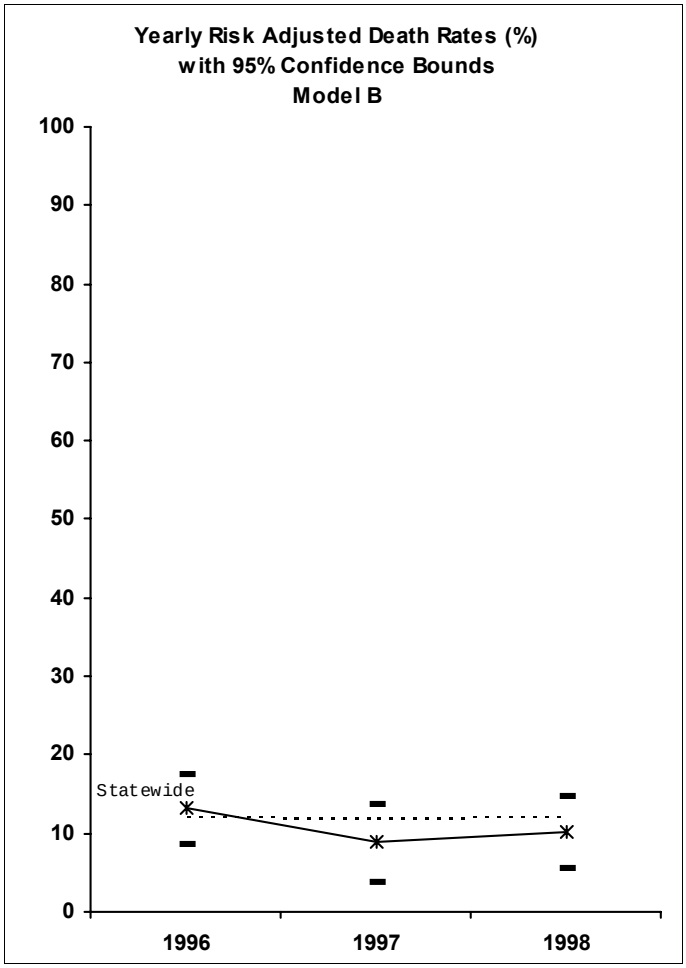
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Contra Costa County: Doctors Medical Center, San Pablo Campus

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	531	50	62.7	7.0	9.4	11.8	9.6	7.0	12.3	0.038
	1996	12.17742	190	22	23.1	4.2	11.6	12.2	11.6	7.2	15.9	0.450
	1997	12.02517	153	12	18.2	3.8	7.8	11.9	7.9	3.0	12.9	0.061
	1998	12.06405	188	16	21.4	4.1	8.5	11.4	9.0	4.5	13.6	0.116
Model B	All Years	12.10683	528	50	55.6	6.2	9.5	10.5	10.9	8.2	13.5	0.207
	1996	12.18490	190	22	20.3	3.8	11.6	10.7	13.2	8.8	17.6	0.370
	1997	12.03332	150	12	16.4	3.4	8.0	11.0	8.8	3.9	13.6	0.119
	1998	12.10273	188	16	18.8	3.6	8.5	10.0	10.3	5.7	14.9	0.265



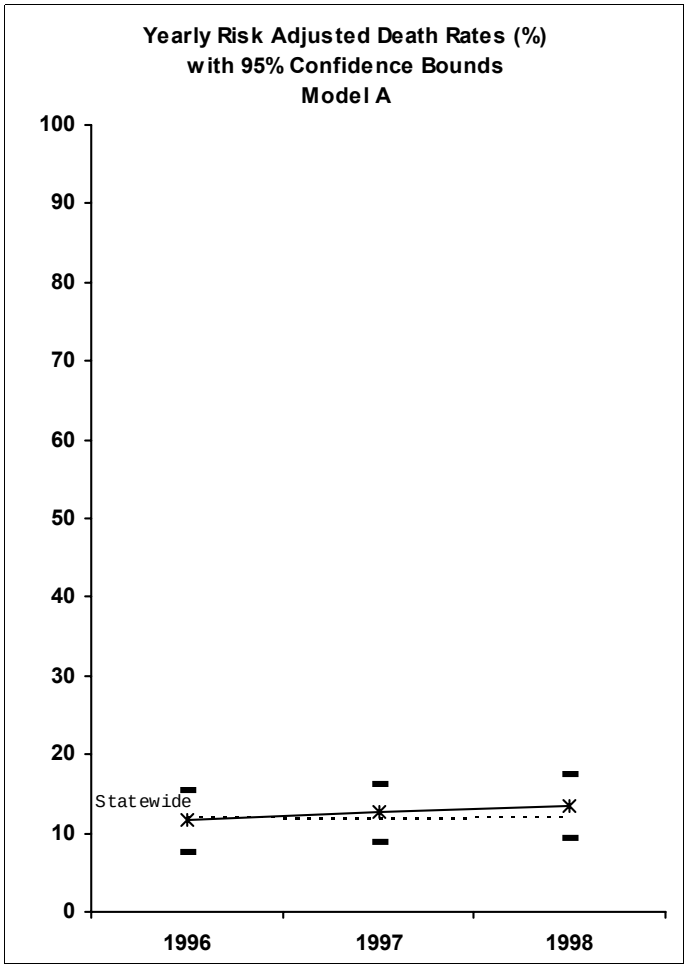


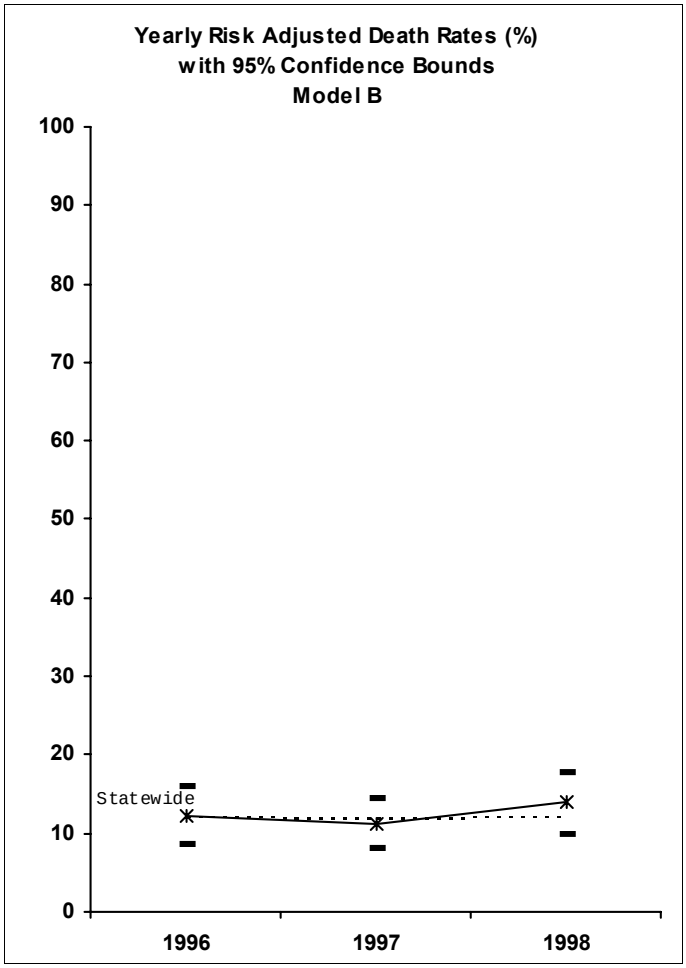
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Contra Costa County: John Muir Medical Center

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	655	90	87.1	8.1	13.7	13.3	12.5	10.3	14.7	0.382
	1996	12.17742	220	28	29.5	4.7	12.7	13.4	11.6	7.7	15.4	0.424
	1997	12.02517	232	33	31.6	4.9	14.2	13.6	12.6	8.9	16.2	0.417
	1998	12.06405	203	29	26.1	4.5	14.3	12.8	13.4	9.4	17.5	0.289
Model B	All Years	12.10683	654	90	88.2	7.6	13.8	13.5	12.3	10.3	14.4	0.430
	1996	12.18490	220	28	27.8	4.3	12.7	12.6	12.3	8.6	15.9	0.521
	1997	12.03332	231	33	35.3	4.7	14.3	15.3	11.3	8.1	14.4	0.358
	1998	12.10273	203	29	25.2	4.1	14.3	12.4	13.9	10.0	17.8	0.208



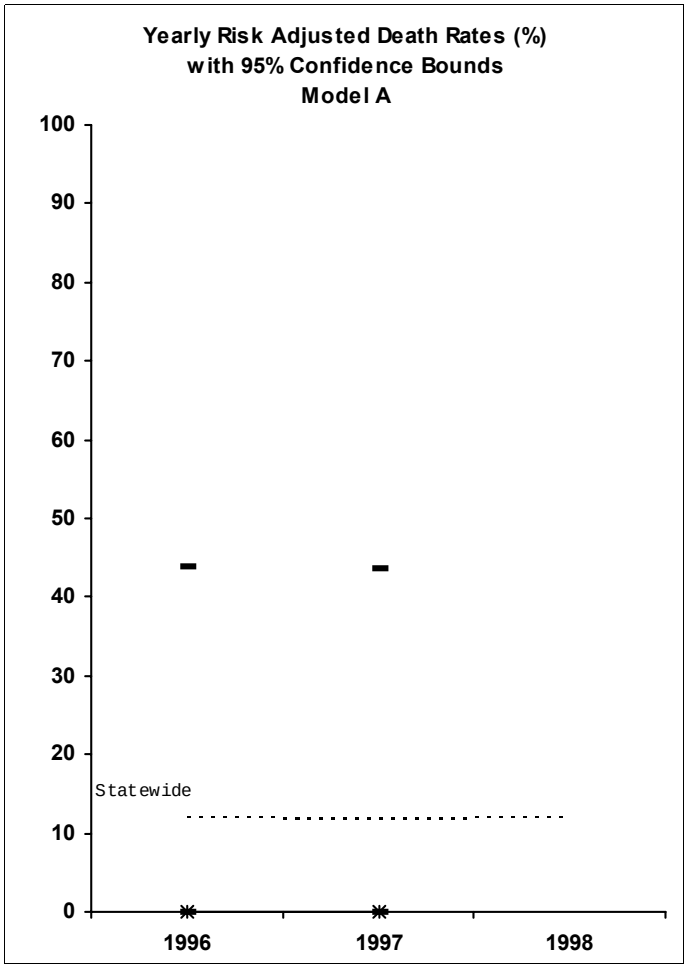


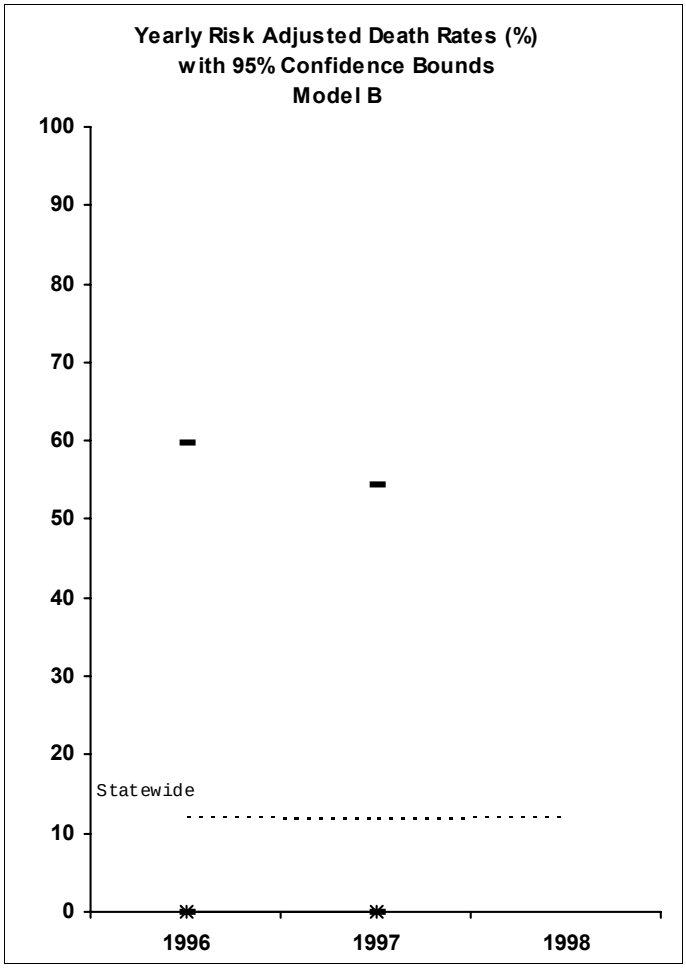
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Contra Costa County: Kaiser Foundation Hospital - Richmond

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	2	0	0.5	0.6	0.0	22.8	0.0	0.0	30.9	0.597
	1996	12.17742	1	0	0.2	0.4	0.0	22.9	0.0	0.0	43.8	0.771
	1997	12.02517	1	0	0.2	0.4	0.0	22.6	0.0	0.0	43.6	0.774
	1998	12.06405	0									
Model B	All Years	12.10683	2	0	0.3	0.5	0.0	14.8	0.0	0.0	40.2	0.725
	1996	12.18490	1	0	0.1	0.3	0.0	13.8	0.0	0.0	59.7	0.862
	1997	12.03332	1	0	0.2	0.4	0.0	15.8	0.0	0.0	54.3	0.842
	1998	12.10273	0									



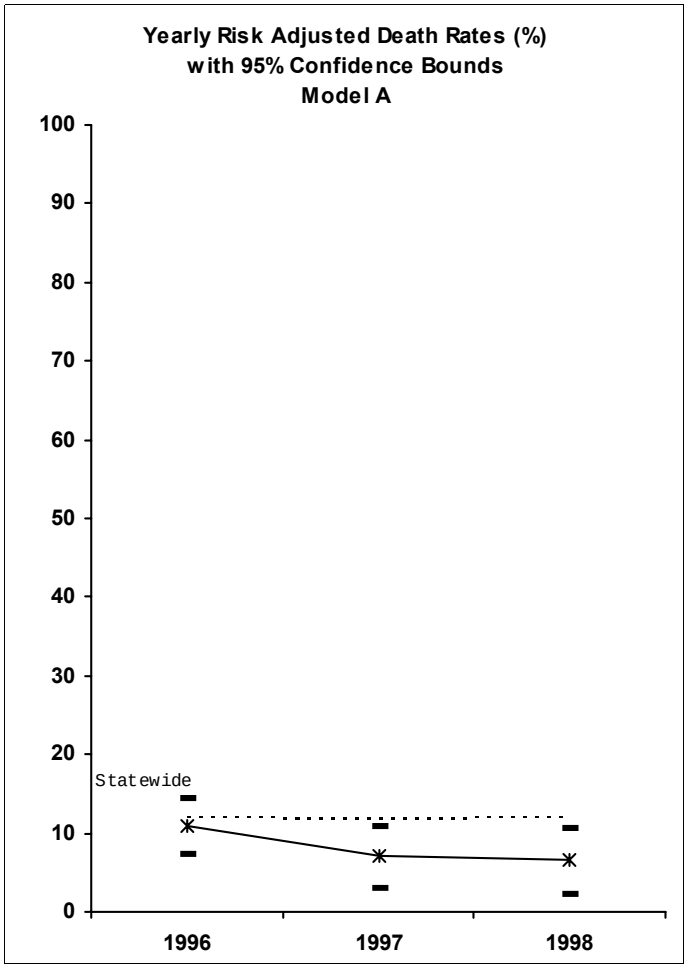


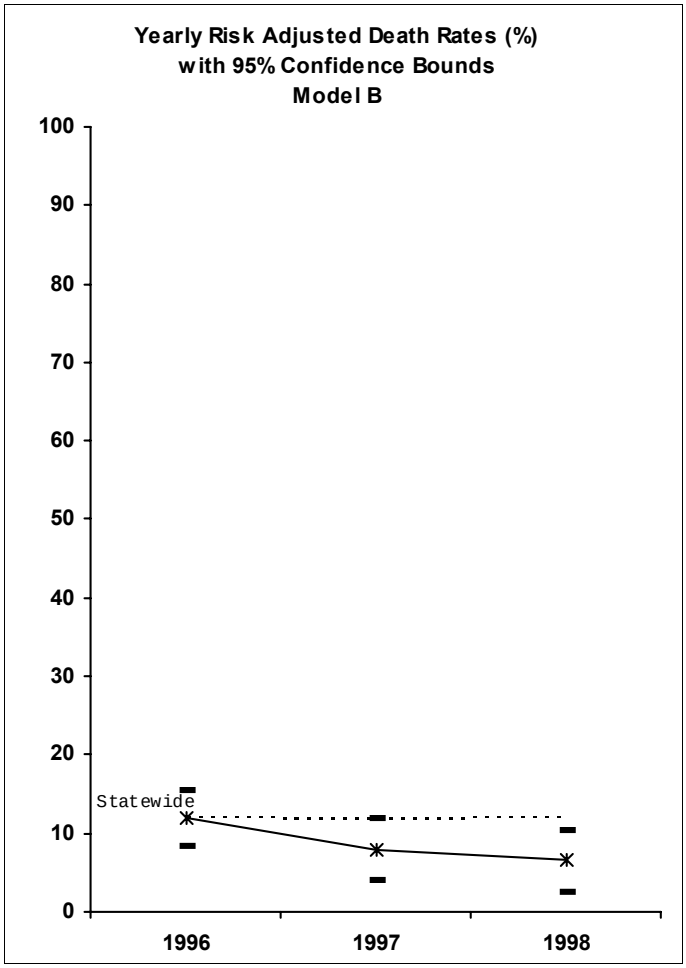
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Contra Costa County: Kaiser Foundation Hospital - Walnut Creek

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	918	63	90.3	8.6	6.9	9.8	8.4	6.2	10.7	0.001
	1996	12.17742	366	33	36.9	5.5	9.0	10.1	10.9	7.3	14.4	0.272
	1997	12.02517	324	17	29.3	4.9	5.2	9.0	7.0	3.0	10.9	0.006
	1998	12.06405	228	13	24.2	4.4	5.7	10.6	6.5	2.2	10.8	0.005
Model B	All Years	12.10683	917	63	83.7	7.7	6.9	9.1	9.1	6.9	11.3	0.003
	1996	12.18490	366	33	33.6	4.9	9.0	9.2	12.0	8.5	15.4	0.500
	1997	12.03332	323	17	25.8	4.4	5.3	8.0	7.9	3.9	11.9	0.023
	1998	12.10273	228	13	24.2	4.1	5.7	10.6	6.5	2.5	10.5	0.003



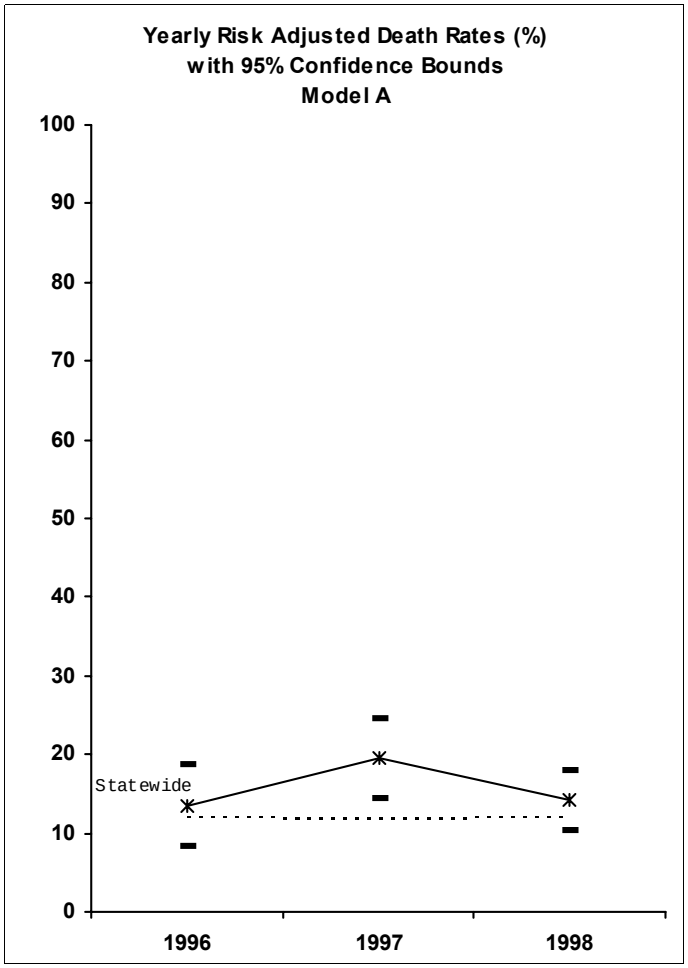


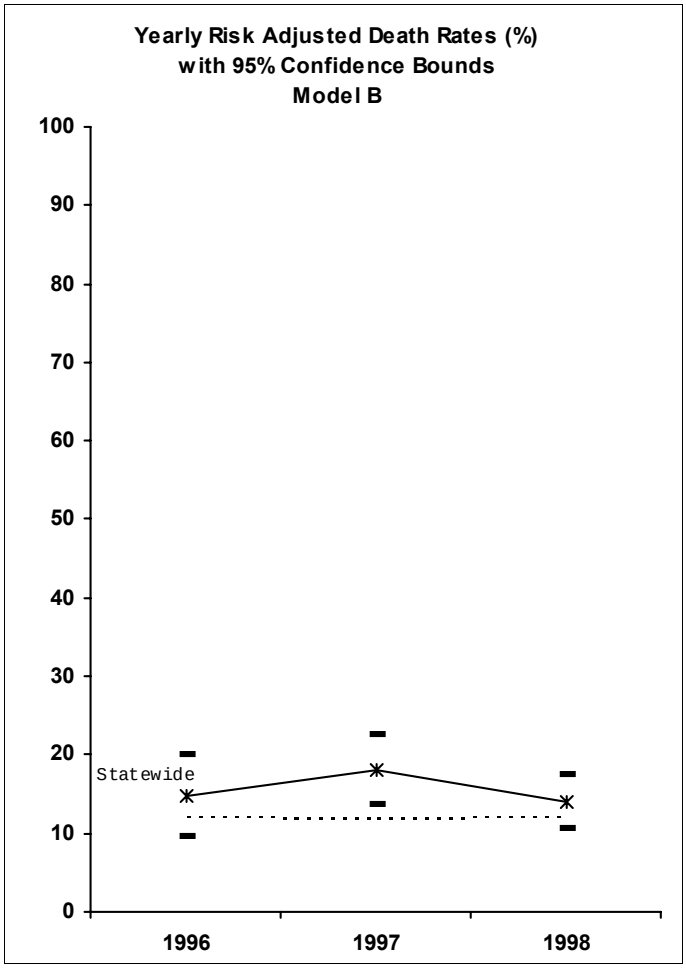
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Contra Costa County: Mt. Diablo Medical Center‡

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	682	83	64.5	7.2	12.2	9.5	15.6	12.9	18.2	0.008
	1996	12.17742	161	18	16.1	3.6	11.2	10.0	13.6	8.3	18.8	0.343
	1997	12.02517	227	29	17.9	3.9	12.8	7.9	19.5	14.4	24.6	0.005
	1998	12.06405	294	36	30.5	4.9	12.2	10.4	14.2	10.4	18.1	0.155
Model B	All Years	12.10683	679	83	65.1	6.7	12.2	9.6	15.4	13.0	17.9	0.005
	1996	12.18490	160	18	14.8	3.2	11.3	9.3	14.8	9.6	20.0	0.200
	1997	12.03332	226	29	19.3	3.6	12.8	8.5	18.1	13.6	22.5	0.008
	1998	12.10273	293	36	31.0	4.6	12.3	10.6	14.1	10.6	17.6	0.159



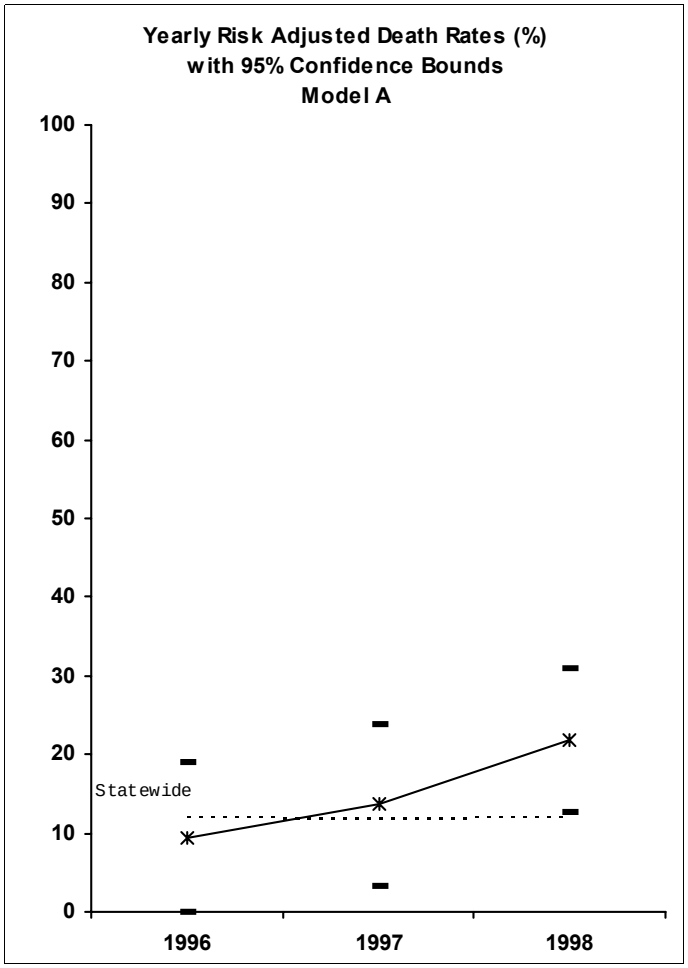


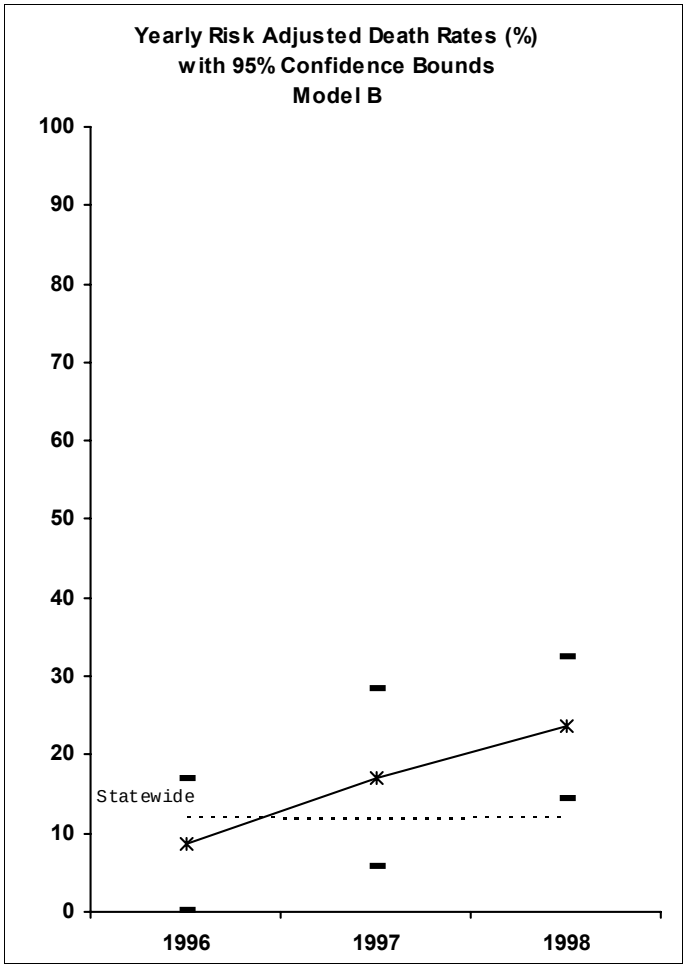
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Contra Costa County: San Ramon Regional Medical Center

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	181	19	15.1	3.5	10.5	8.4	15.2	9.6	20.7	0.170
	1996	12.17742	60	4	5.2	2.1	6.7	8.6	9.4	0.0	19.0	0.392
	1997	12.02517	56	5	4.4	1.9	8.9	7.9	13.6	3.4	23.9	0.457
	1998	12.06405	65	10	5.5	2.1	15.4	8.5	21.8	12.7	30.8	0.039
Model B	All Years	12.10683	180	19	14.3	3.3	10.6	7.9	16.1	10.7	21.5	0.101
	1996	12.18490	60	4	5.7	2.0	6.7	9.4	8.6	0.2	17.0	0.292
	1997	12.03332	55	5	3.5	1.7	9.1	6.4	17.1	5.8	28.5	0.264
	1998	12.10273	65	10	5.1	2.0	15.4	7.9	23.6	14.6	32.7	0.018



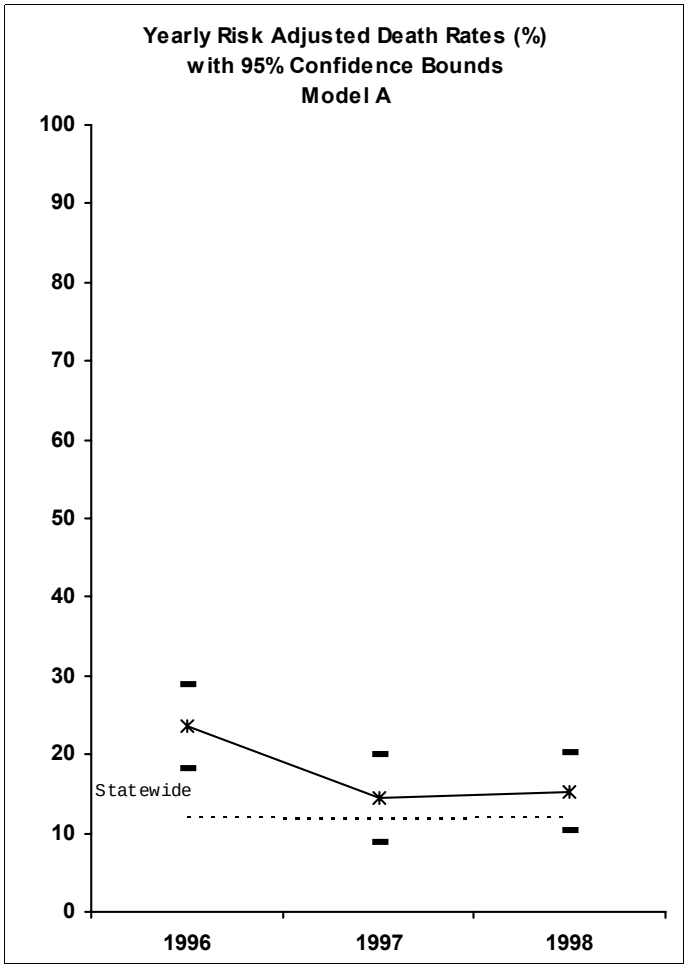


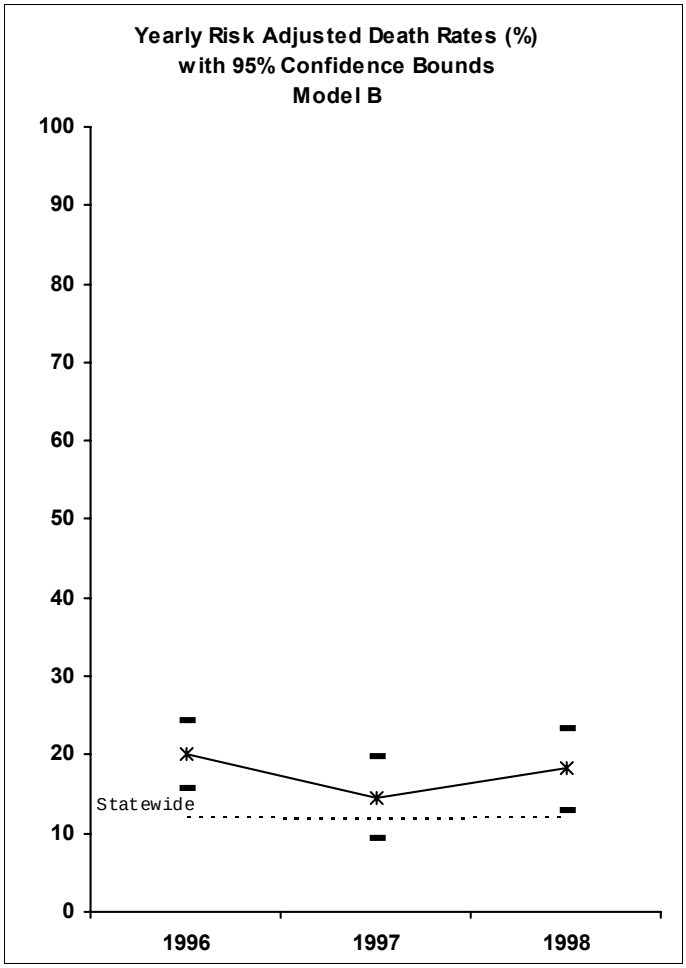
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Contra Costa County: Sutter Delta Medical Center

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	508	72	49.3	6.3	14.2	9.7	17.6	14.6	20.7	0.000
	1996	12.17742	148	30	15.5	3.5	20.3	10.5	23.5	18.2	28.9	0.000
	1997	12.02517	180	18	14.9	3.5	10.0	8.3	14.5	9.0	20.1	0.226
	1998	12.06405	180	24	18.9	3.9	13.3	10.5	15.3	10.5	20.2	0.120
Model B	All Years	12.10683	498	72	48.9	5.8	14.5	9.8	17.8	15.0	20.6	0.000
	1996	12.18490	142	30	18.1	3.3	21.1	12.8	20.1	15.9	24.4	0.000
	1997	12.03332	176	18	14.8	3.2	10.2	8.4	14.6	9.5	19.7	0.201
	1998	12.10273	180	24	16.0	3.5	13.3	8.9	18.2	13.0	23.4	0.020



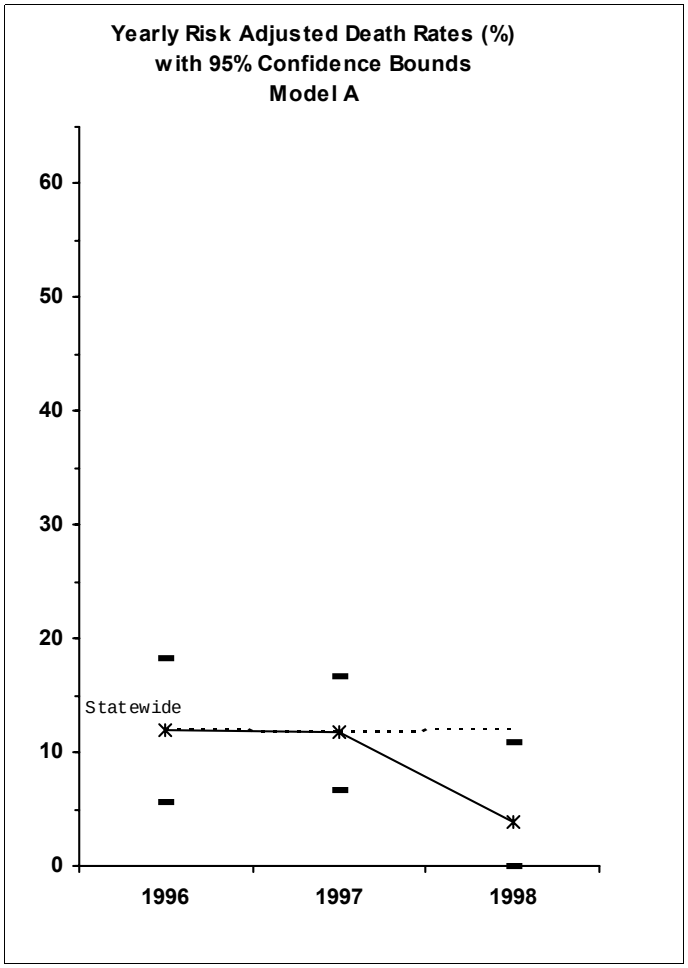


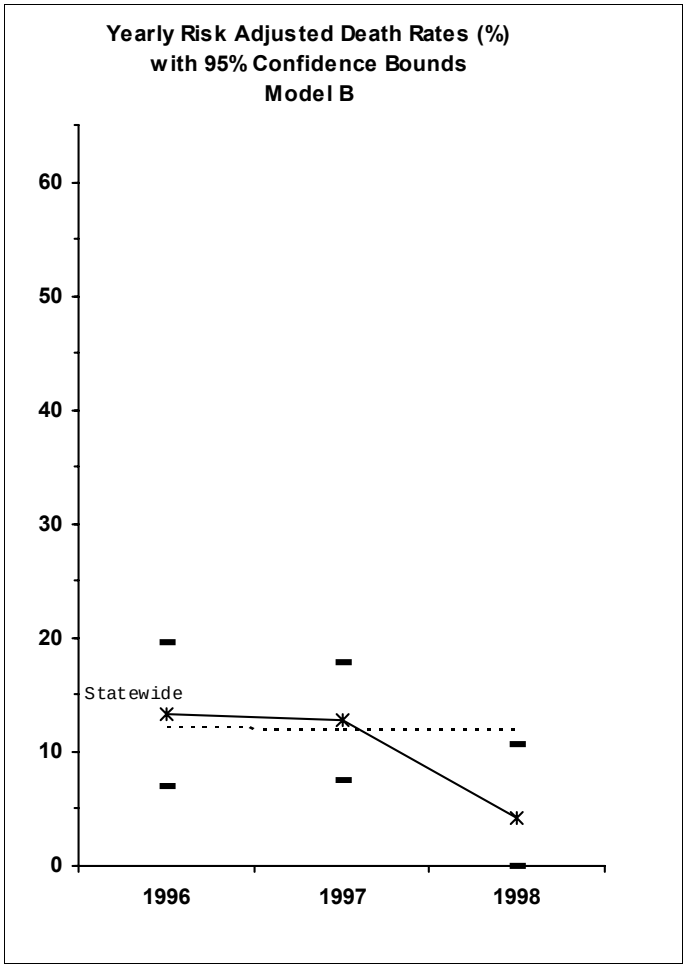
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Del Norte County Summary

		Statewide Death Rate (%)	Number of Hospitals Included	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds	
											Lower	Upper
Model A	All Years	12.1	1	272	30	36.9	5.3	11.0	13.6	9.8	6.4	13.3
	1996	12.2	1	87	11	11.2	3.0	12.6	12.9	11.9	5.6	18.2
	1997	12.0	1	105	16	16.5	3.5	15.2	15.7	11.7	6.7	16.7
	1998	12.1	1	80	3	9.2	2.7	3.8	11.5	3.9	0.0	10.8
Model B	All Years	12.1	1	271	29	32.7	4.7	10.7	12.1	10.7	7.3	14.1
	1996	12.2	1	87	11	10.1	2.6	12.6	11.6	13.3	7.0	19.6
	1997	12.0	1	104	15	14.1	3.1	14.4	13.6	12.8	7.6	17.9
	1998	12.1	1	80	3	8.5	2.3	3.8	10.6	4.3	0.0	10.7

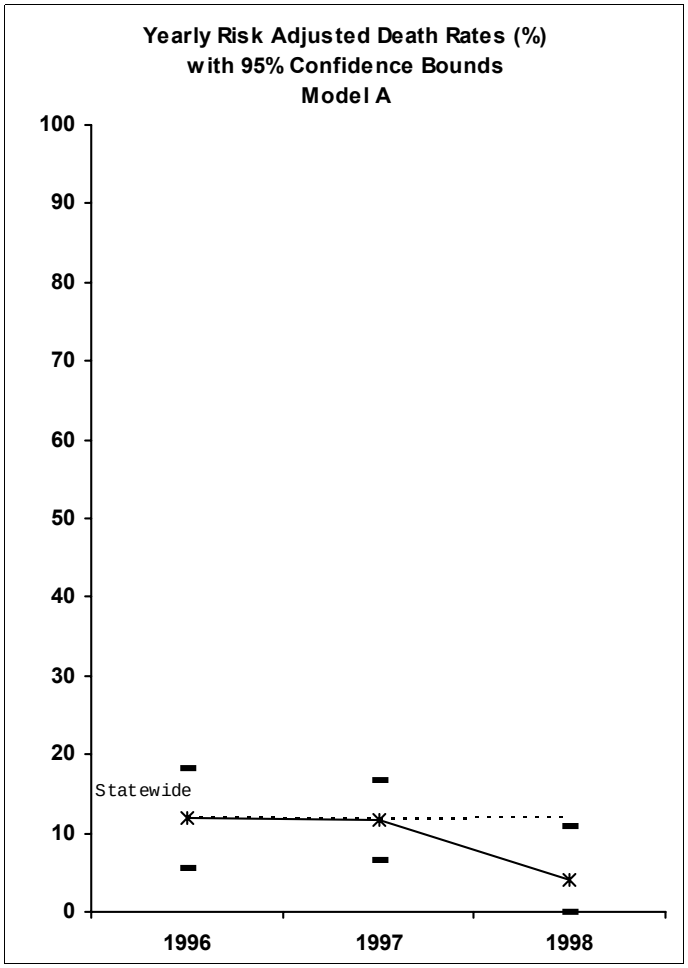


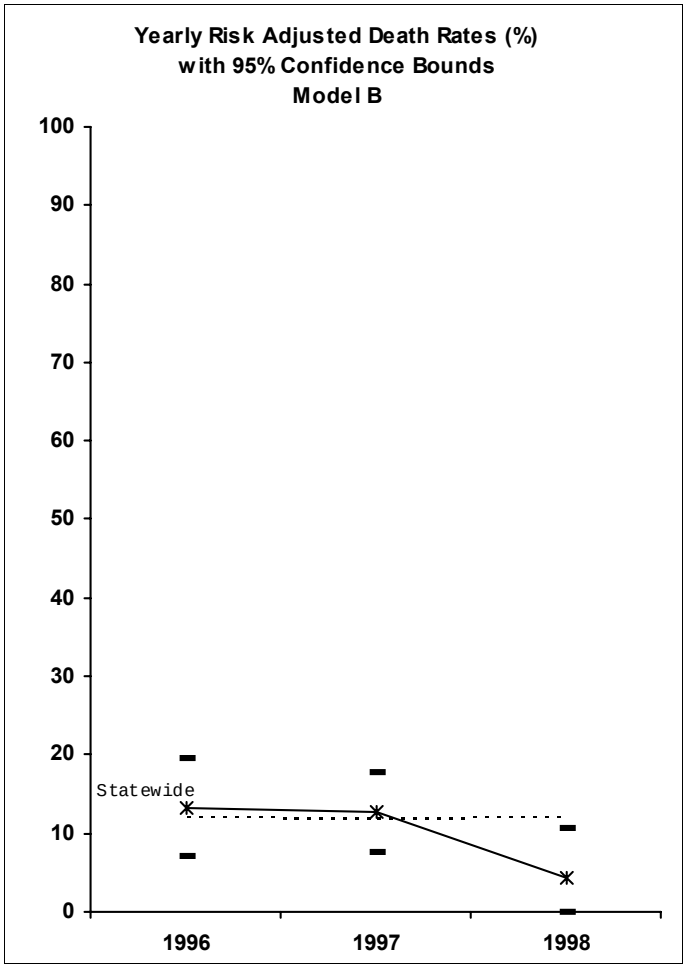


Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Del Norte County: Sutter Coast Hospital

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	272	30	36.9	5.3	11.0	13.6	9.8	6.4	13.3	0.114
	1996	12.17742	87	11	11.2	3.0	12.6	12.9	11.9	5.6	18.2	0.549
	1997	12.02517	105	16	16.5	3.5	15.2	15.7	11.7	6.7	16.7	0.515
	1998	12.06405	80	3	9.2	2.7	3.8	11.5	3.9	0.0	10.8	0.010
Model B	All Years	12.10683	271	29	32.7	4.7	10.7	12.1	10.7	7.3	14.1	0.250
	1996	12.18490	87	11	10.1	2.6	12.6	11.6	13.3	7.0	19.6	0.421
	1997	12.03332	104	15	14.1	3.1	14.4	13.6	12.8	7.6	17.9	0.441
	1998	12.10273	80	3	8.5	2.3	3.8	10.6	4.3	0.0	10.7	0.009



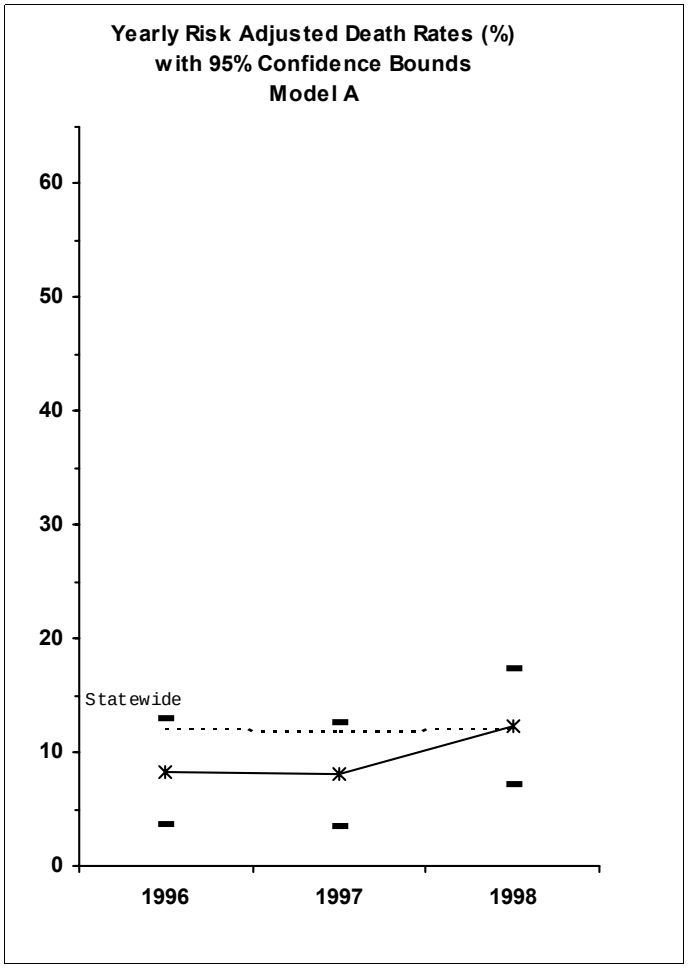


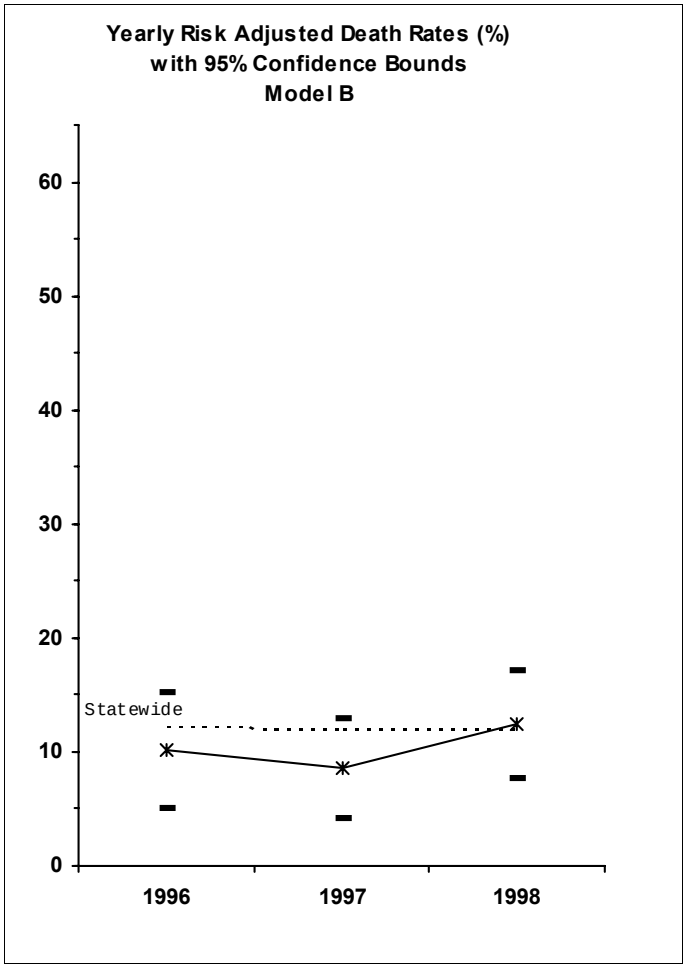
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

El Dorado County Summary

		Statewide Death Rate (%)	Number of Hospitals Included	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds	
											Lower	Upper
Model A	All Years	12.1	2	563	46	59.1	6.9	8.2	10.5	9.4	6.7	12.2
	1996	12.2	2	182	14	20.5	4.0	7.7	11.3	8.3	3.7	13.0
	1997	12.0	2	207	14	20.8	4.1	6.8	10.1	8.1	3.4	12.7
	1998	12.1	2	174	18	17.7	3.8	10.3	10.2	12.2	7.1	17.3
Model B	All Years	12.1	2	559	46	54.0	6.2	8.2	9.7	10.3	7.6	13.0
	1996	12.2	2	180	14	16.7	3.5	7.8	9.3	10.2	5.1	15.3
	1997	12.0	2	207	14	19.7	3.7	6.8	9.5	8.5	4.1	12.9
	1998	12.1	2	172	18	17.5	3.5	10.5	10.2	12.4	7.7	17.1

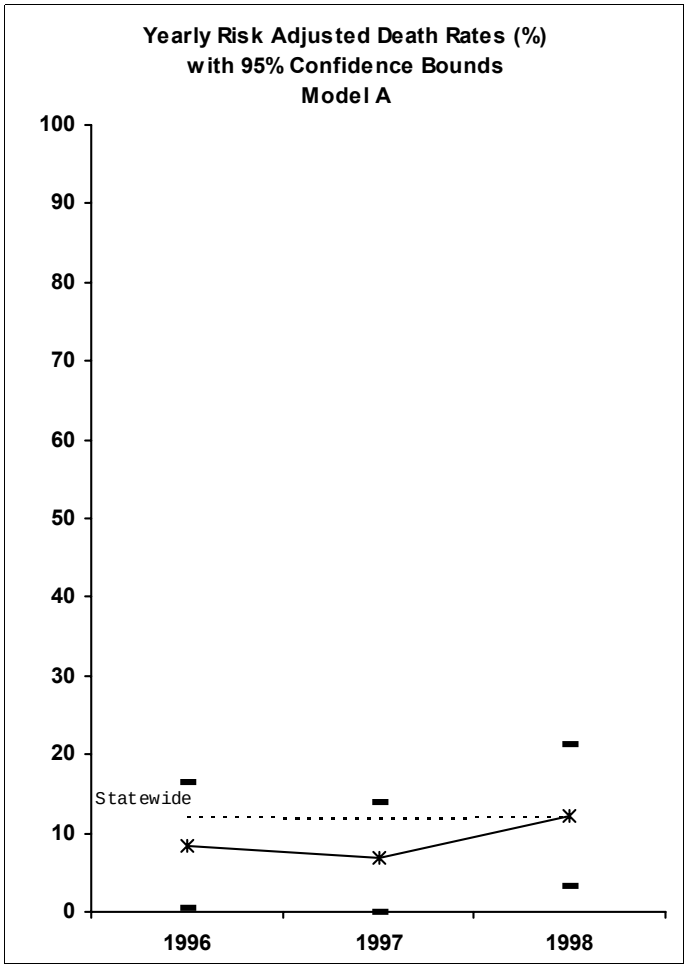


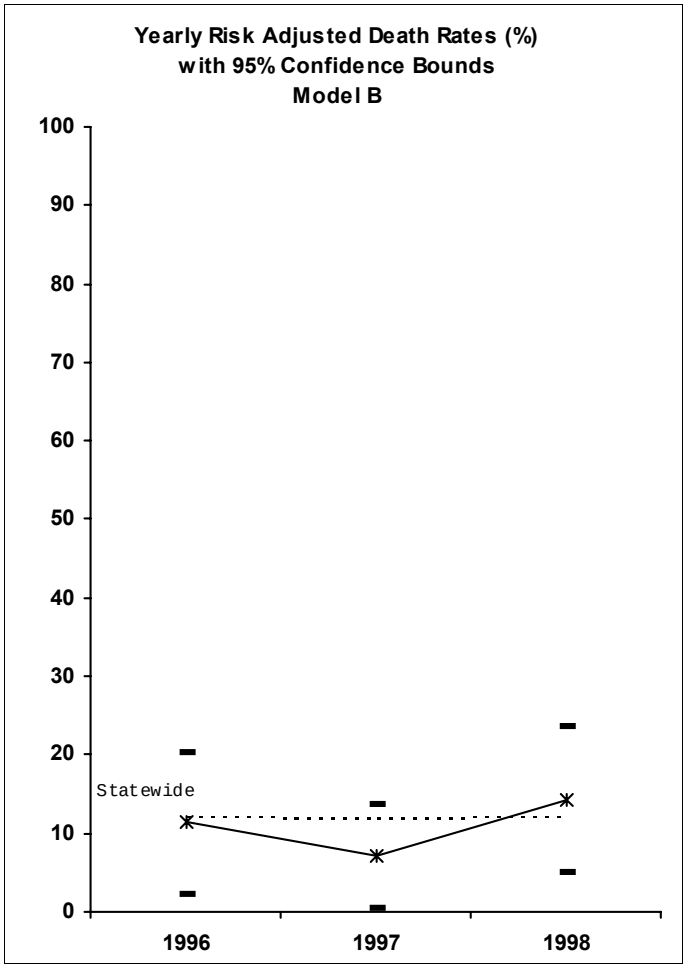


Detailed Statistical Results
for Acute Myocardial Infarction Mortality

El Dorado County: Barton Memorial Hospital

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	220	16	21.9	4.3	7.3	10.0	8.8	4.2	13.4	0.097
	1996	12.17742	67	5	7.2	2.4	7.5	10.7	8.5	0.4	16.5	0.251
	1997	12.02517	87	5	8.9	2.7	5.7	10.2	6.8	0.0	13.9	0.100
	1998	12.06405	66	6	5.9	2.2	9.1	8.9	12.3	3.3	21.3	0.547
Model B	All Years	12.10683	220	16	18.9	3.7	7.3	8.6	10.3	5.6	14.9	0.266
	1996	12.18490	67	5	5.4	2.1	7.5	8.0	11.3	2.2	20.5	0.546
	1997	12.03332	87	5	8.4	2.4	5.7	9.7	7.1	0.5	13.8	0.102
	1998	12.10273	66	6	5.1	2.0	9.1	7.7	14.3	5.0	23.6	0.395



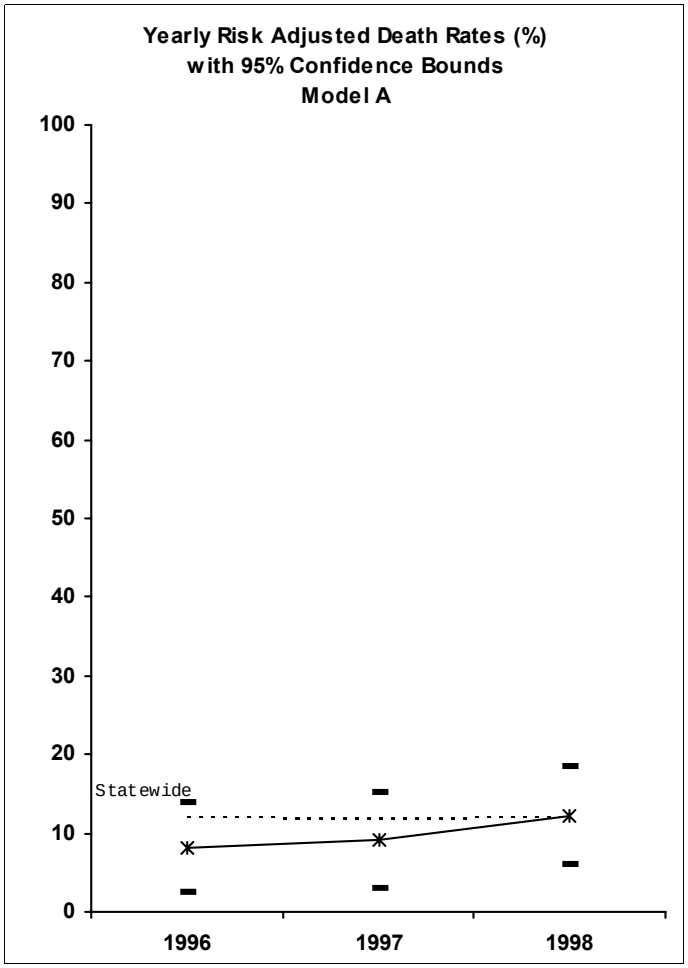


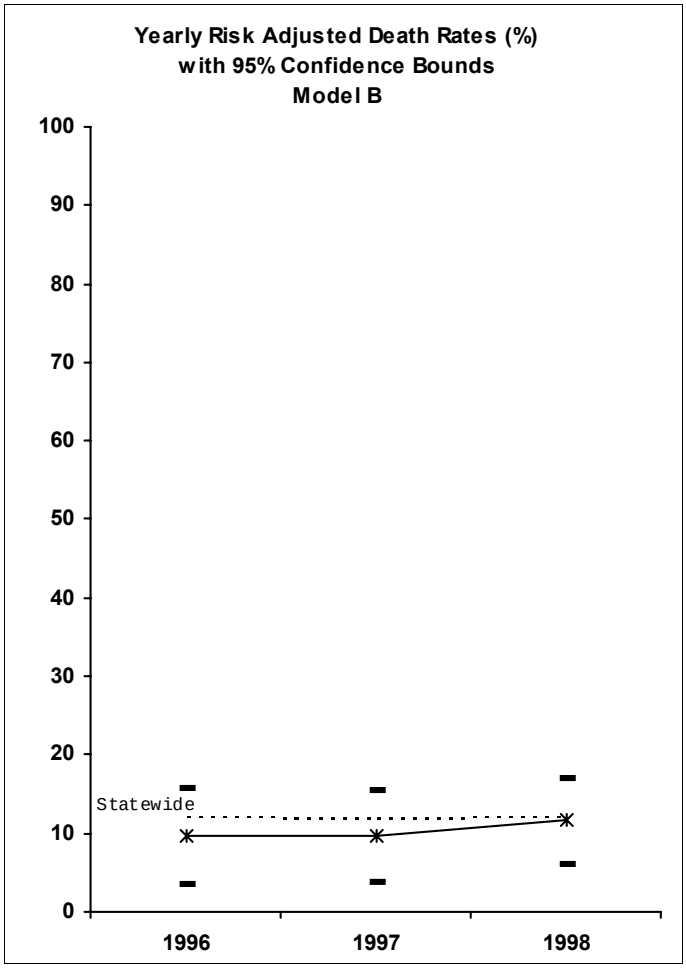
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

El Dorado County: Marshall Hospital

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	343	30	37.1	5.4	8.7	10.8	9.8	6.3	13.2	0.109
	1996	12.17742	115	9	13.3	3.2	7.8	11.6	8.2	2.5	13.9	0.112
	1997	12.02517	120	9	11.9	3.1	7.5	10.0	9.1	3.0	15.1	0.217
	1998	12.06405	108	12	11.9	3.1	11.1	11.0	12.2	6.0	18.4	0.531
Model B	All Years	12.10683	339	30	35.1	5.0	8.8	10.4	10.3	7.0	13.7	0.175
	1996	12.18490	113	9	11.3	2.9	8.0	10.0	9.7	3.6	15.7	0.267
	1997	12.03332	120	9	11.3	2.8	7.5	9.4	9.6	3.7	15.4	0.266
	1998	12.10273	106	12	12.5	2.9	11.3	11.8	11.6	6.2	17.1	0.516



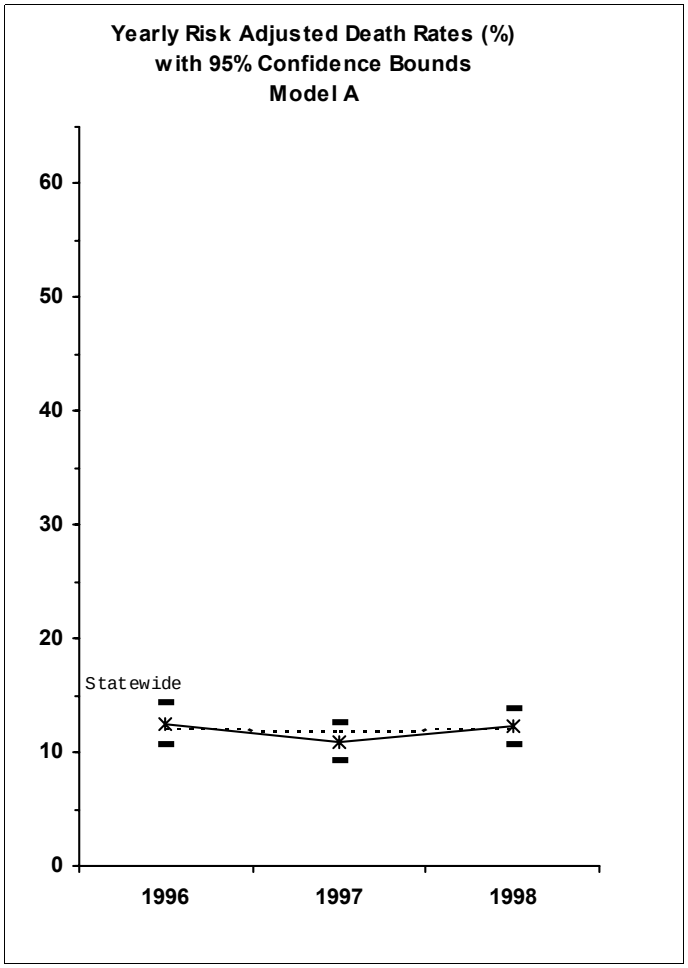


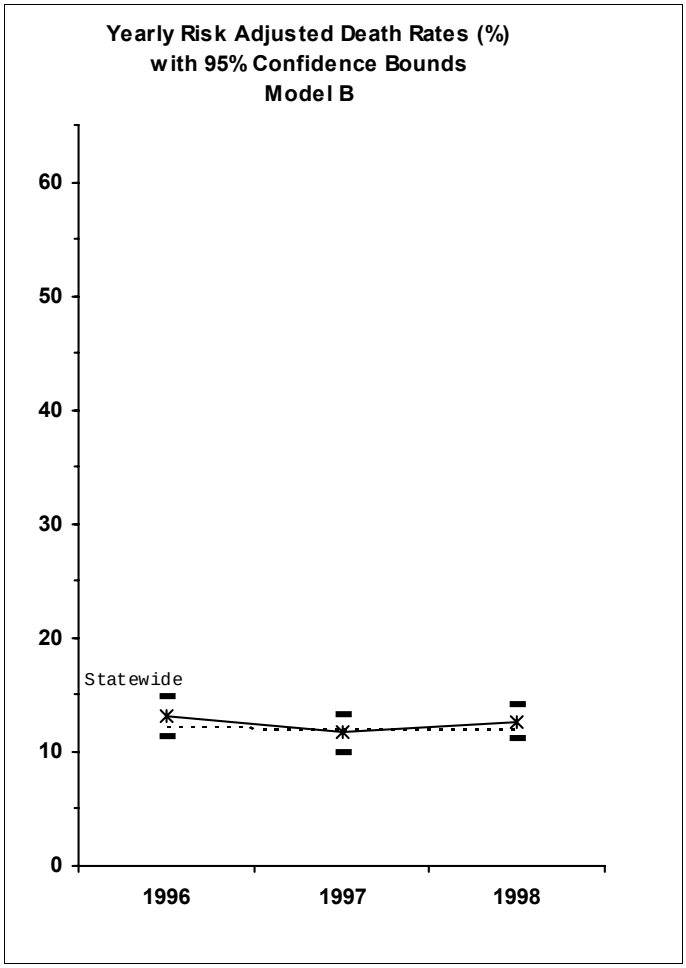
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Fresno County Summary

		Statewide Death Rate (%)	Number of Hospitals Included	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds	
											Lower	Upper
Model A	All Years	12.1	10	3,735	455	461.7	18.9	12.2	12.4	11.9	10.9	12.9
	1996	12.2	10	1,147	139	134.8	10.3	12.1	11.8	12.6	10.7	14.4
	1997	12.0	10	1,247	139	152.9	10.9	11.1	12.3	10.9	9.3	12.6
	1998	12.1	10	1,341	177	174.1	11.6	13.2	13.0	12.3	10.7	13.8
Model B	All Years	12.1	10	3,686	449	434.5	17.3	12.2	11.8	12.5	11.6	13.5
	1996	12.2	10	1,133	136	126.0	9.4	12.0	11.1	13.2	11.4	14.9
	1997	12.0	10	1,225	137	140.8	9.9	11.2	11.5	11.7	10.1	13.4
	1998	12.1	10	1,328	176	167.8	10.7	13.3	12.6	12.7	11.2	14.2

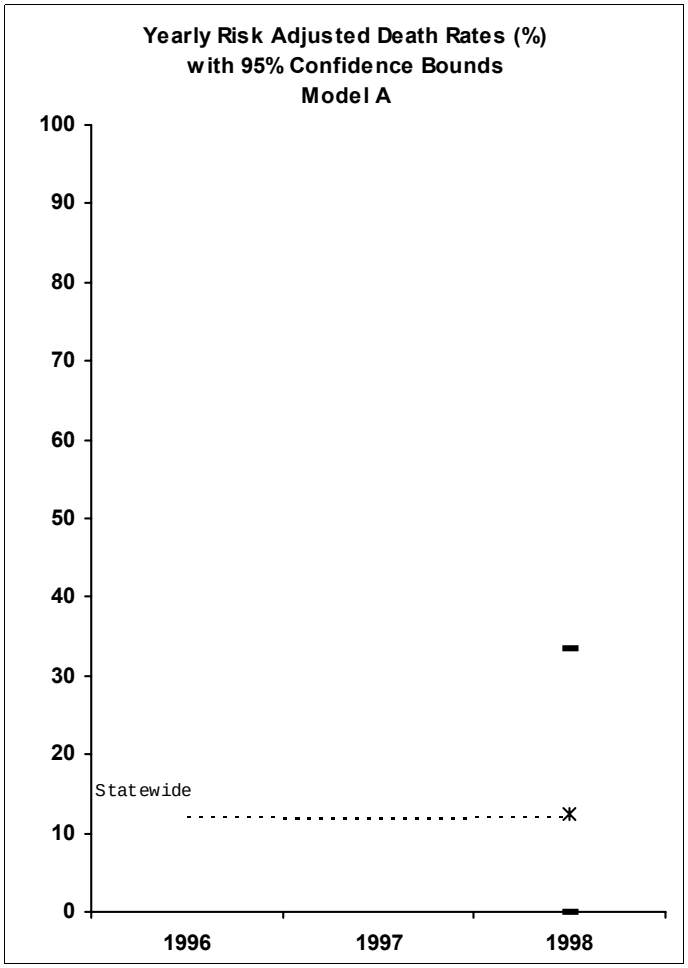


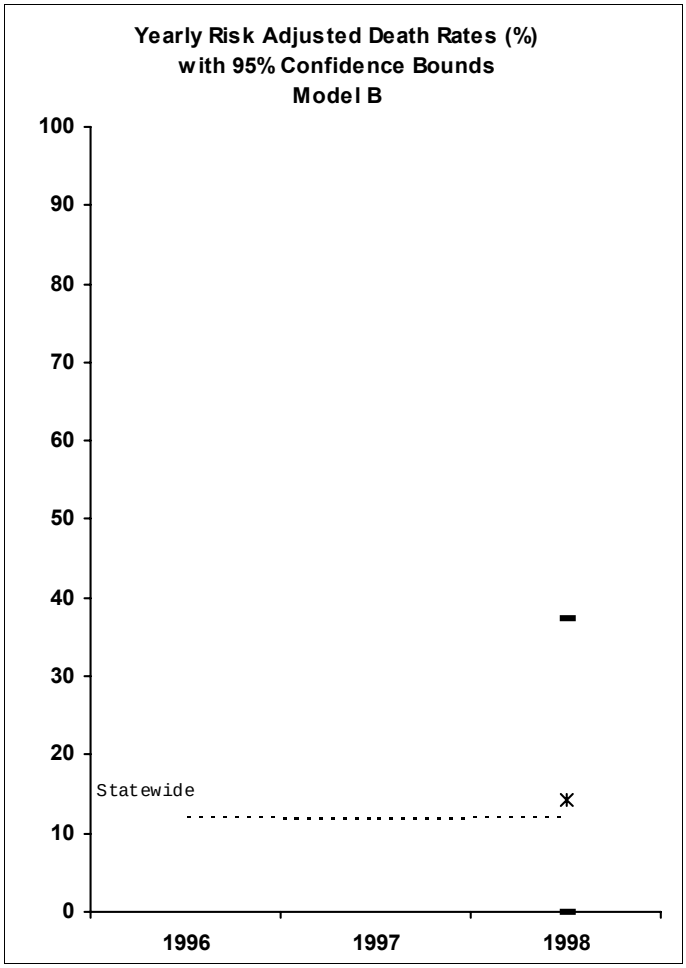


Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Fresno County: Coalinga Regional Medical Center

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	9	1	1.0	0.9	11.1	10.8	12.4	0.0	33.6	0.670
	1996	Excluded										
	1997	Excluded										
	1998	12.06405	9	1	1.0	0.9	11.1	10.8	12.4	0.0	33.6	0.670
Model B	All Years	12.10683	9	1	0.9	0.8	11.1	9.5	14.1	0.0	37.3	0.612
	1996	Excluded										
	1997	Excluded										
	1998	12.10273	9	1	0.9	0.8	11.1	9.5	14.1	0.0	37.3	0.612



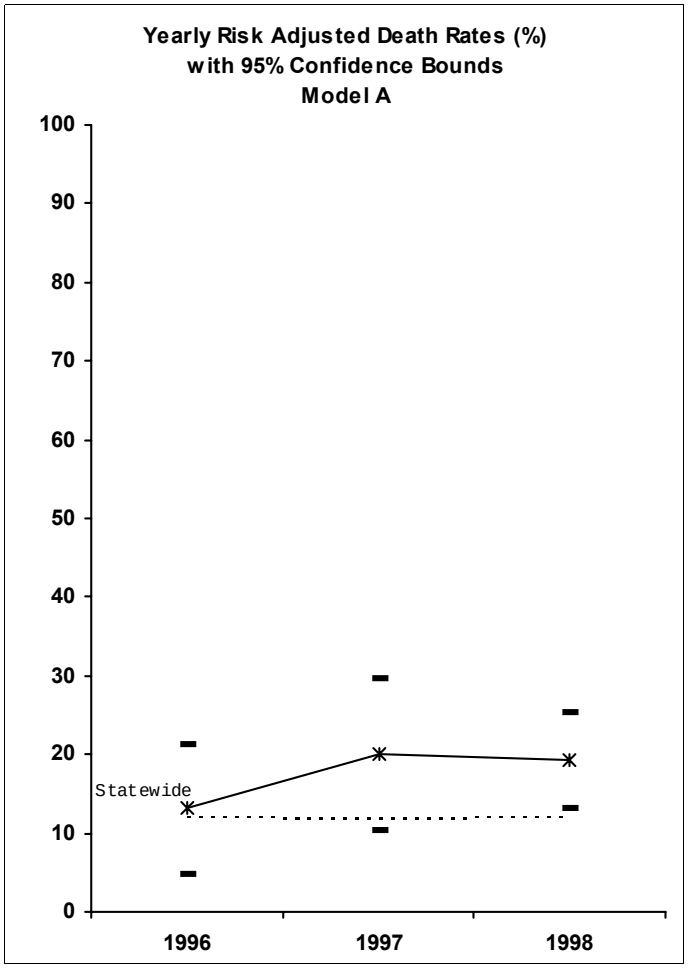


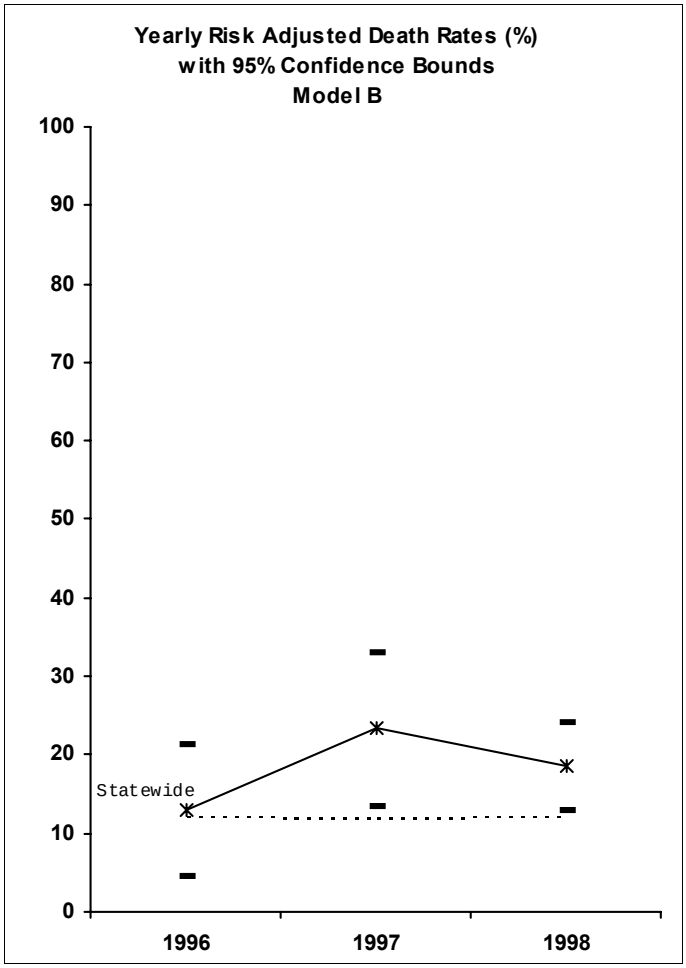
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Fresno County: Community Medical Center of Clovis‡

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	187	33	22.6	4.1	17.6	12.1	17.6	13.3	22.0	0.011
	1996	12.17742	56	7	6.5	2.2	12.5	11.6	13.1	4.9	21.3	0.482
	1997	12.02517	49	8	4.8	2.0	16.3	9.8	20.0	10.4	29.6	0.089
	1998	12.06405	82	18	11.3	2.9	22.0	13.8	19.2	13.2	25.3	0.020
Model B	All Years	12.10683	186	32	21.5	3.8	17.2	11.5	18.1	13.9	22.2	0.005
	1996	12.18490	55	6	5.6	2.0	10.9	10.2	13.0	4.6	21.4	0.505
	1997	12.03332	49	8	4.1	1.7	16.3	8.4	23.3	13.6	33.0	0.031
	1998	12.10273	82	18	11.7	2.7	22.0	14.3	18.6	13.1	24.2	0.021



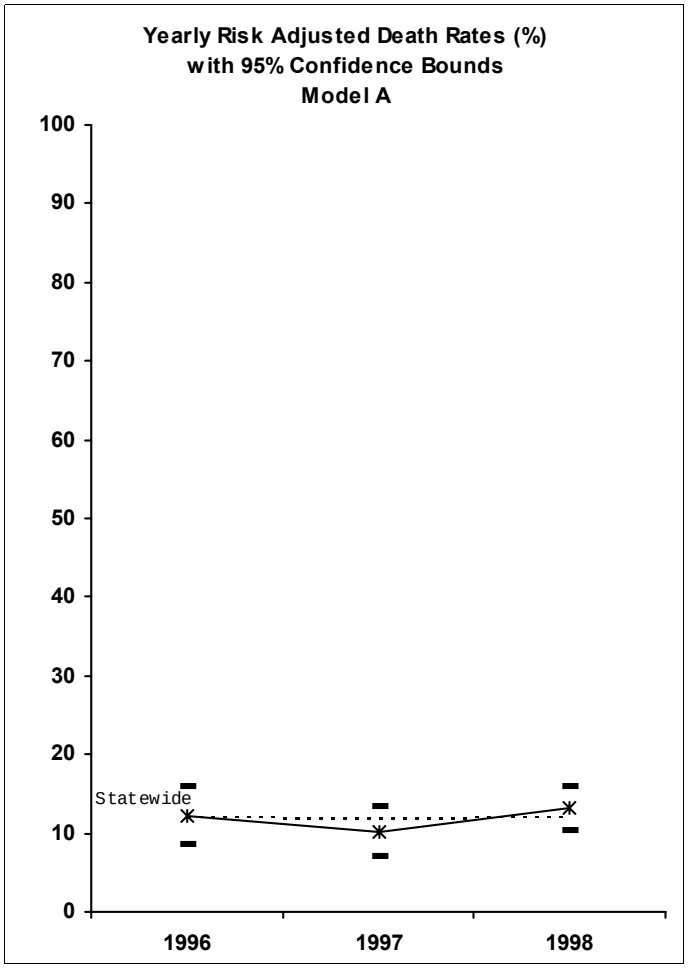


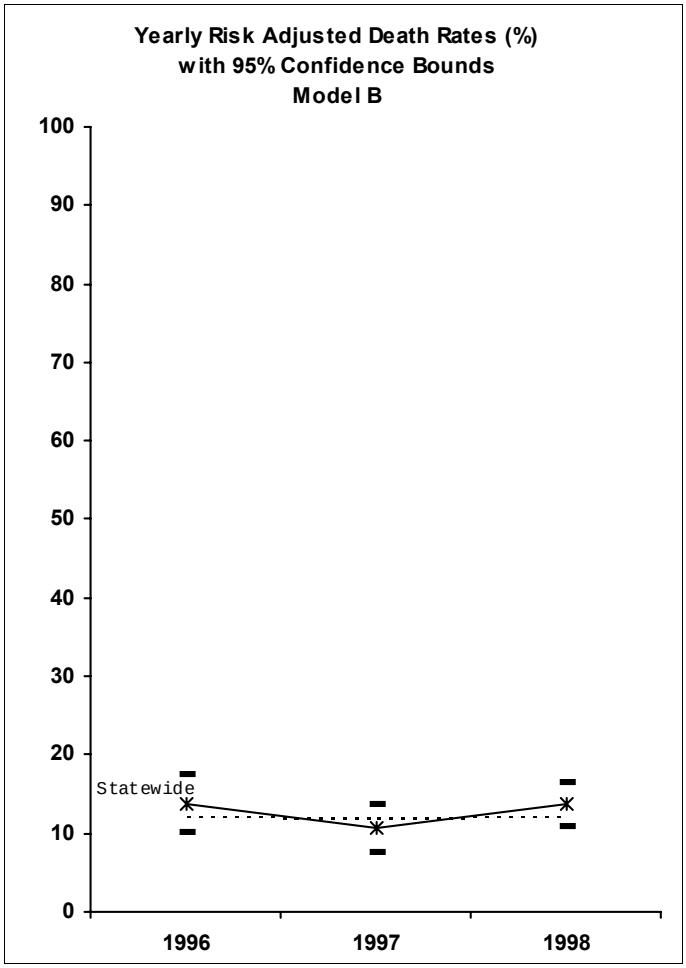
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Fresno County: Fresno Community Hospital and Medical Center

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	1042	130	131.7	10.1	12.5	12.6	11.9	10.1	13.8	0.457
	1996	12.17742	304	35	34.7	5.3	11.5	11.4	12.3	8.6	15.9	0.510
	1997	12.02517	357	37	43.7	5.9	10.4	12.2	10.2	7.0	13.3	0.143
	1998	12.06405	381	58	53.2	6.4	15.2	14.0	13.1	10.3	16.0	0.249
Model B	All Years	12.10683	1032	129	122.4	9.3	12.5	11.9	12.8	11.0	14.6	0.253
	1996	12.18490	304	35	30.9	4.8	11.5	10.2	13.8	10.1	17.5	0.221
	1997	12.03332	352	36	40.7	5.4	10.2	11.5	10.7	7.6	13.8	0.221
	1998	12.10273	376	58	50.8	5.9	15.4	13.5	13.8	11.0	16.6	0.132



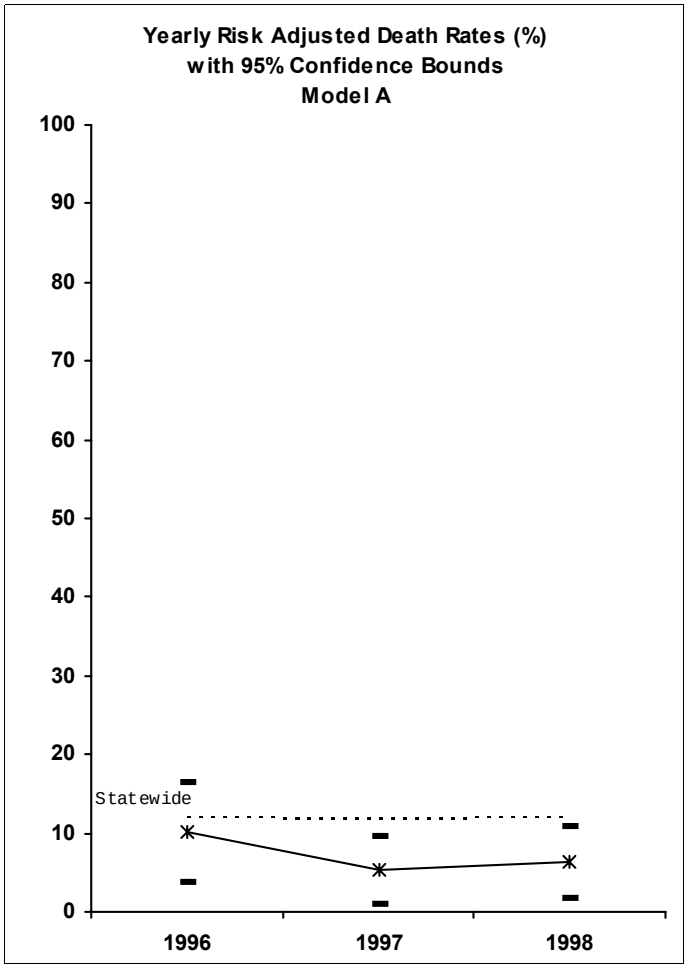


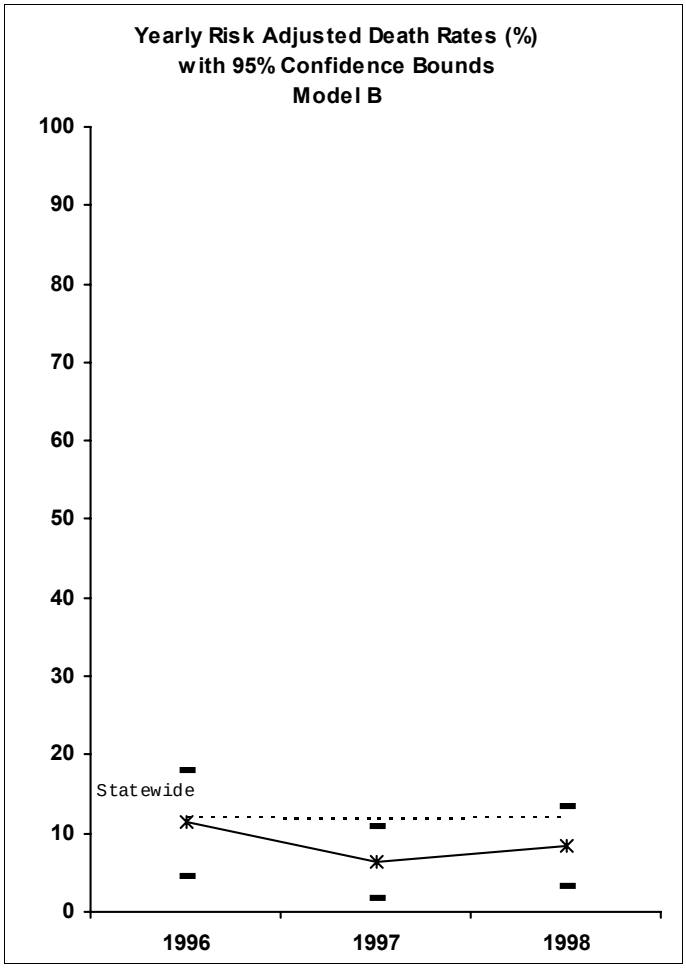
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Fresno County: Kaiser Foundation Hospital - Fresno

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	543	32	57.3	6.8	5.9	10.6	6.7	3.9	9.6	0.000
	1996	12.17742	141	10	11.9	3.2	7.1	8.5	10.2	3.9	16.5	0.334
	1997	12.02517	190	10	22.6	4.2	5.3	11.9	5.3	0.9	9.7	0.001
	1998	12.06405	212	12	22.8	4.3	5.7	10.8	6.3	1.9	10.8	0.005
Model B	All Years	12.10683	527	31	45.7	5.9	5.9	8.7	8.2	5.2	11.3	0.006
	1996	12.18490	136	9	9.7	2.7	6.6	7.1	11.3	4.6	18.0	0.489
	1997	12.03332	182	10	18.8	3.6	5.5	10.3	6.4	1.9	11.0	0.008
	1998	12.10273	209	12	17.2	3.7	5.7	8.2	8.4	3.3	13.5	0.097



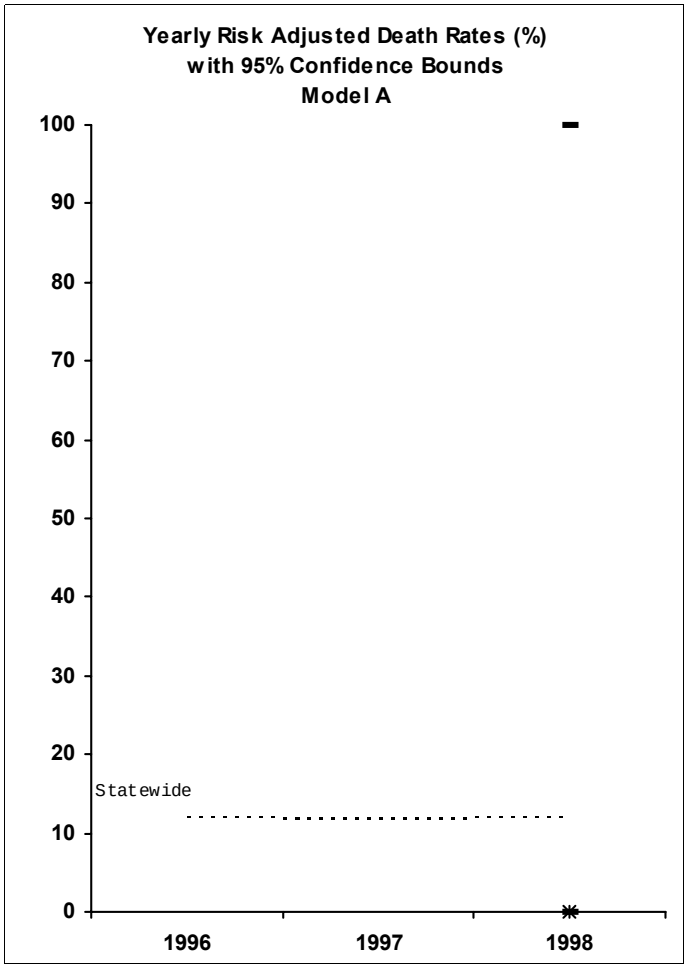


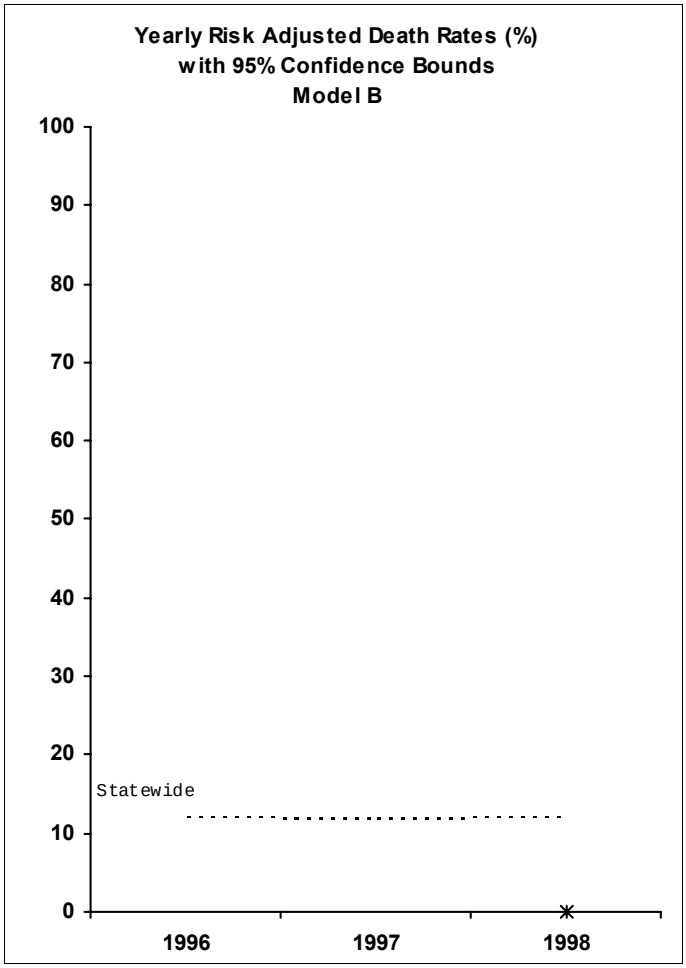
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Fresno County: Kingsburg District Hospital

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	1	0	0.0	0.2	0.0	2.8	0.0	0.0	100.0	0.972
	1996	12.17742	0									
	1997	12.02517	0									
	1998	12.06405	1	0	0.0	0.2	0.0	2.8	0.0	0.0	100.0	0.972
Model B	All Years	12.10683	0						0.0			
	1996	12.18490	0									
	1997	12.03332	0									
	1998	12.10273	0						0.0			



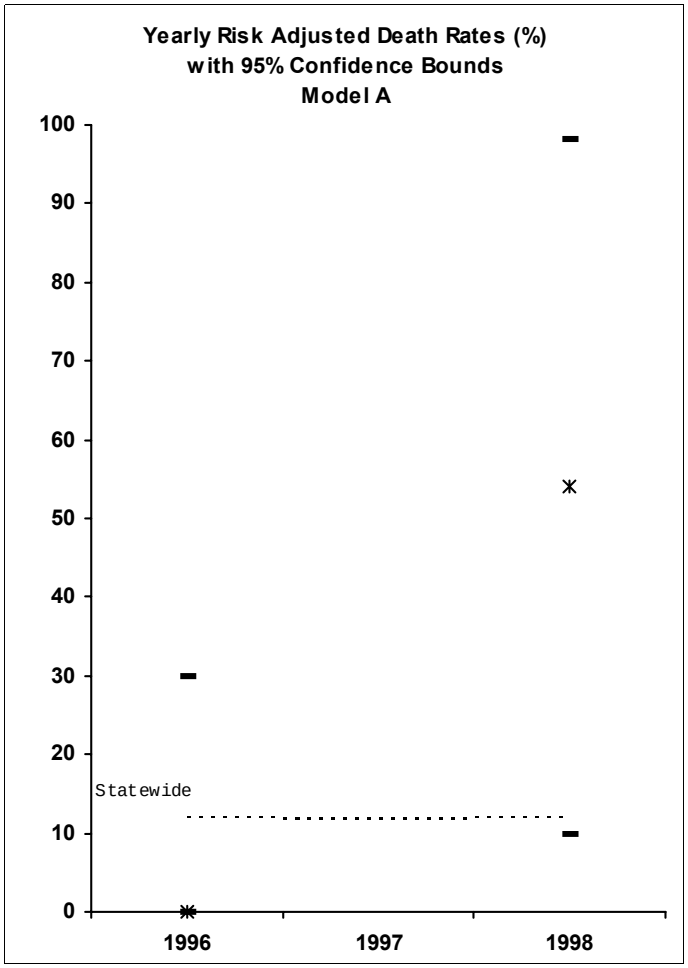


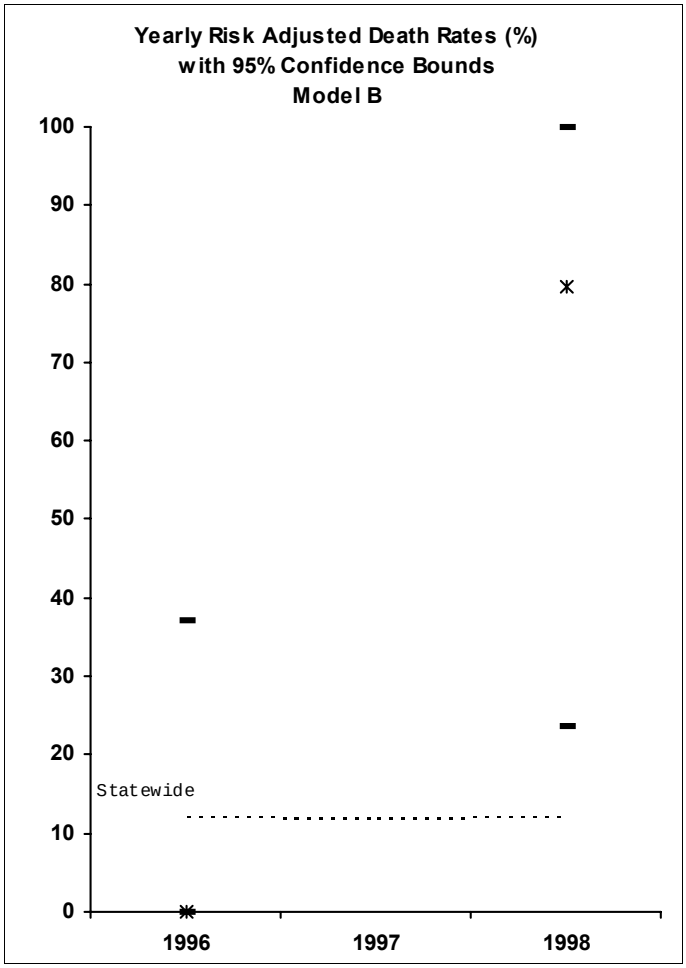
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Fresno County: Sanger General Hospital

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	3	1	0.7	0.7	33.3	22.6	17.9	0.0	42.6	0.546
	1996	12.17742	2	0	0.5	0.6	0.0	22.7	0.0	0.0	30.0	0.584
	1997	12.02517	0									
	1998	12.06405	1	1	0.2	0.4	100.0	22.3	54.1	10.0	98.3	0.223
Model B	All Years	12.10683	3	1	0.5	0.6	33.3	16.1	25.0	0.0	55.9	0.414
	1996	12.18490	2	0	0.3	0.5	0.0	16.6	0.0	0.0	37.2	0.691
	1997	12.03332	0									
	1998	12.10273	1	1	0.2	0.4	100.0	15.2	79.6	23.6	100.0	0.152



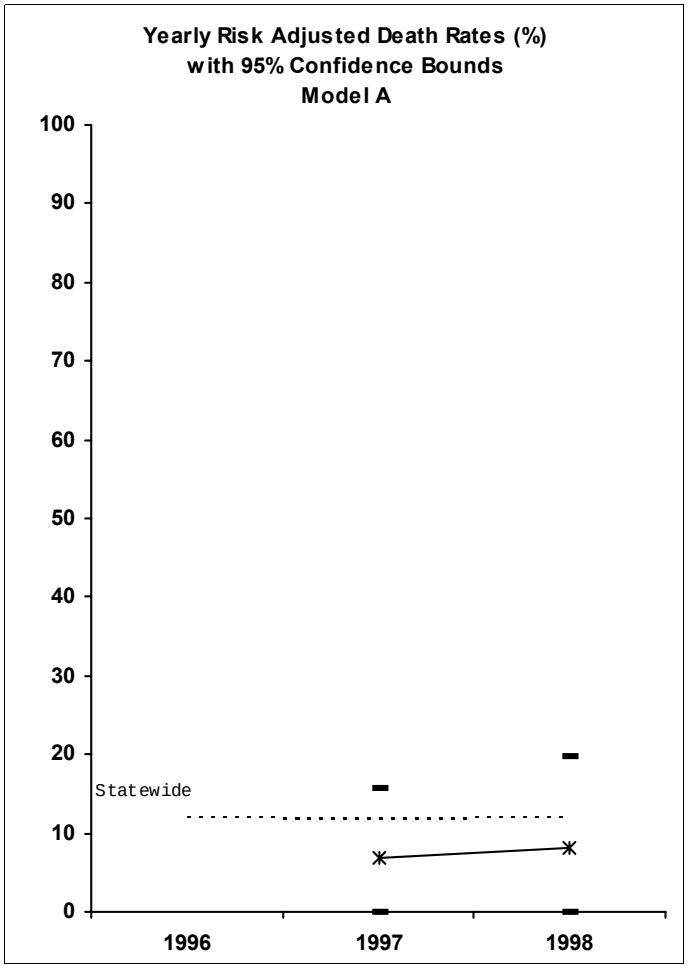


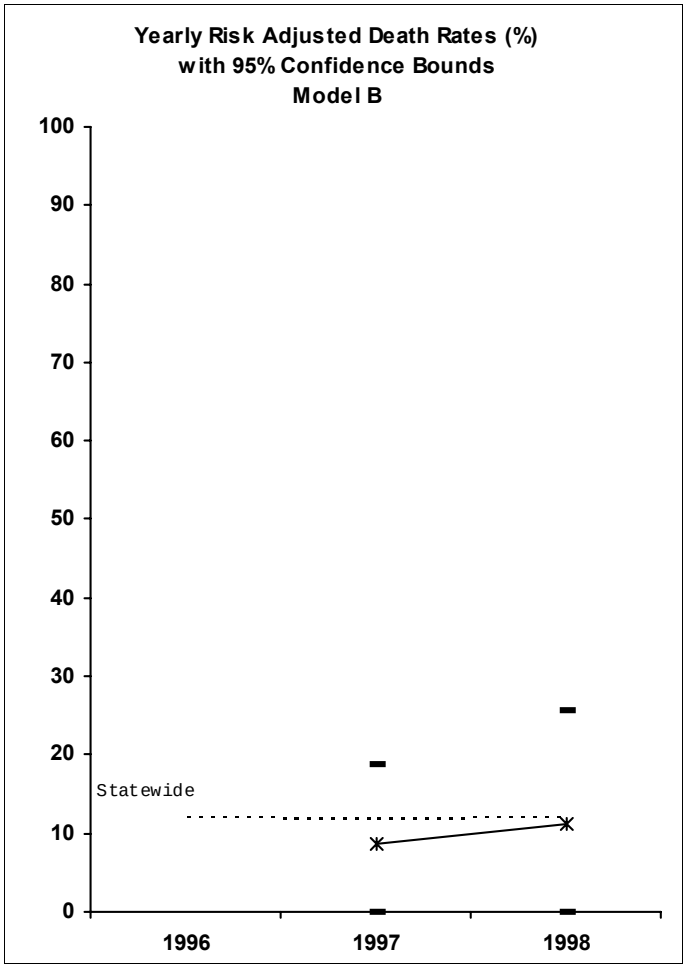
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Fresno County: Selma District Hospital

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	43	5	8.2	2.4	11.6	19.0	7.4	0.4	14.4	0.133
	1996	Excluded										
	1997	12.02517	26	3	5.2	1.9	11.5	20.1	6.9	0.0	15.7	0.191
	1998	12.06405	17	2	3.0	1.4	11.8	17.4	8.2	0.0	19.8	0.397
Model B	All Years	12.10683	43	5	6.3	2.2	11.6	14.6	9.6	1.4	17.9	0.374
	1996	Excluded										
	1997	12.03332	26	3	4.1	1.8	11.5	15.9	8.7	0.0	18.7	0.375
	1998	12.10273	17	2	2.1	1.3	11.8	12.6	11.3	0.0	25.6	0.635



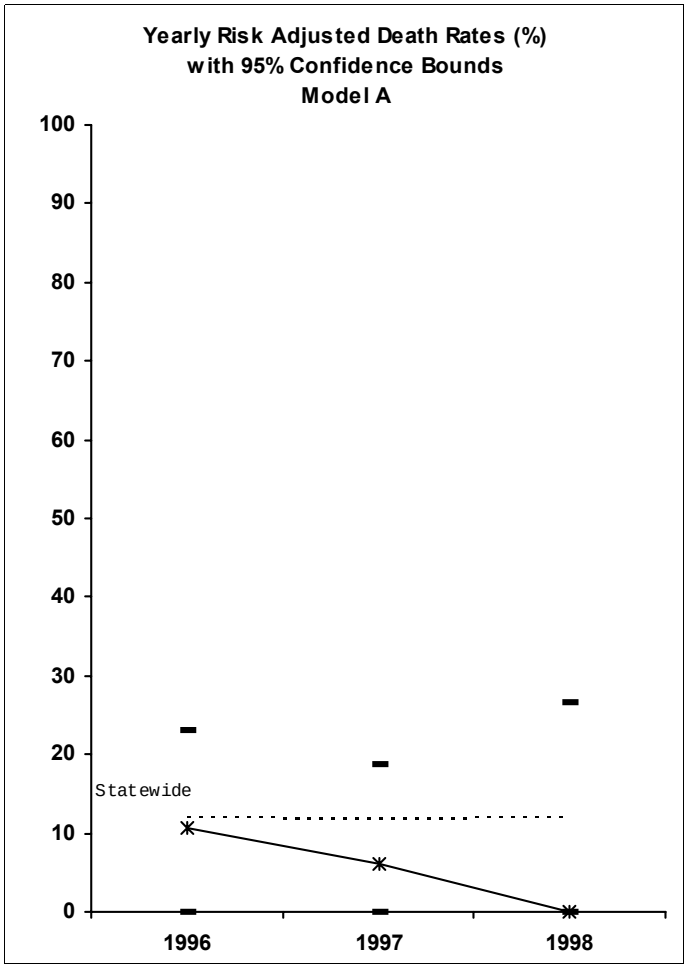


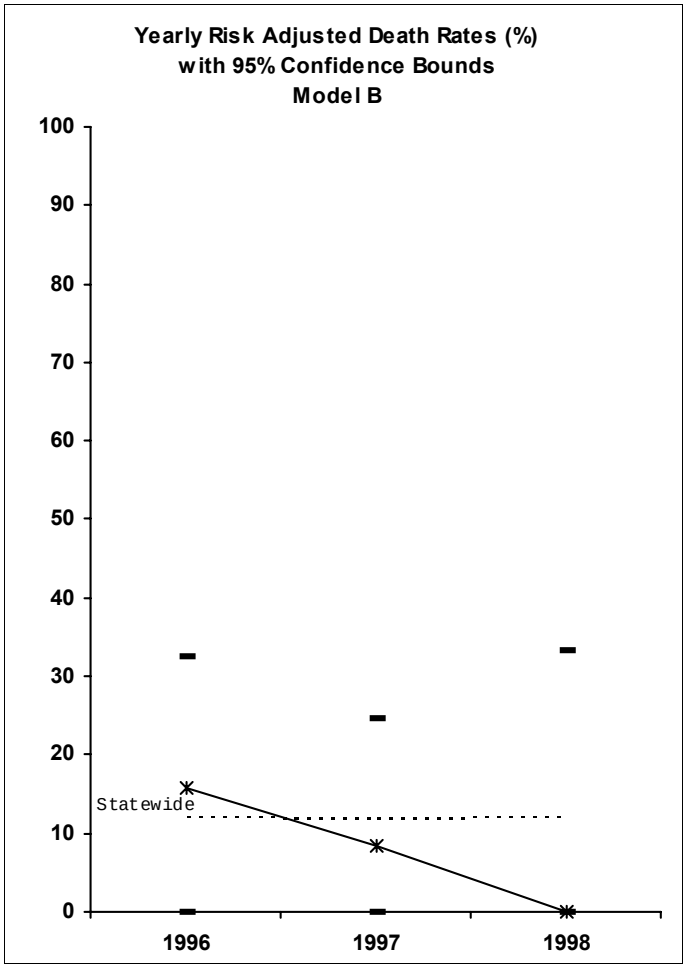
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Fresno County: Sierra Kings District Hospital

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	17	3	4.9	1.8	17.6	28.7	7.4	0.0	15.9	0.219
	1996	12.17742	9	2	2.3	1.2	22.2	25.7	10.5	0.0	23.1	0.579
	1997	12.02517	6	1	2.0	1.1	16.7	33.5	6.0	0.0	18.7	0.332
	1998	12.06405	2	0	0.6	0.6	0.0	28.0	0.0	0.0	26.7	0.517
Model B	All Years	12.10683	17	3	3.4	1.6	17.6	19.9	10.7	0.0	21.7	0.549
	1996	12.18490	9	2	1.5	1.1	22.2	17.1	15.9	0.0	32.5	0.479
	1997	12.03332	6	1	1.5	1.0	16.7	24.2	8.3	0.0	24.6	0.548
	1998	12.10273	2	0	0.4	0.6	0.0	20.0	0.0	0.0	33.3	0.638



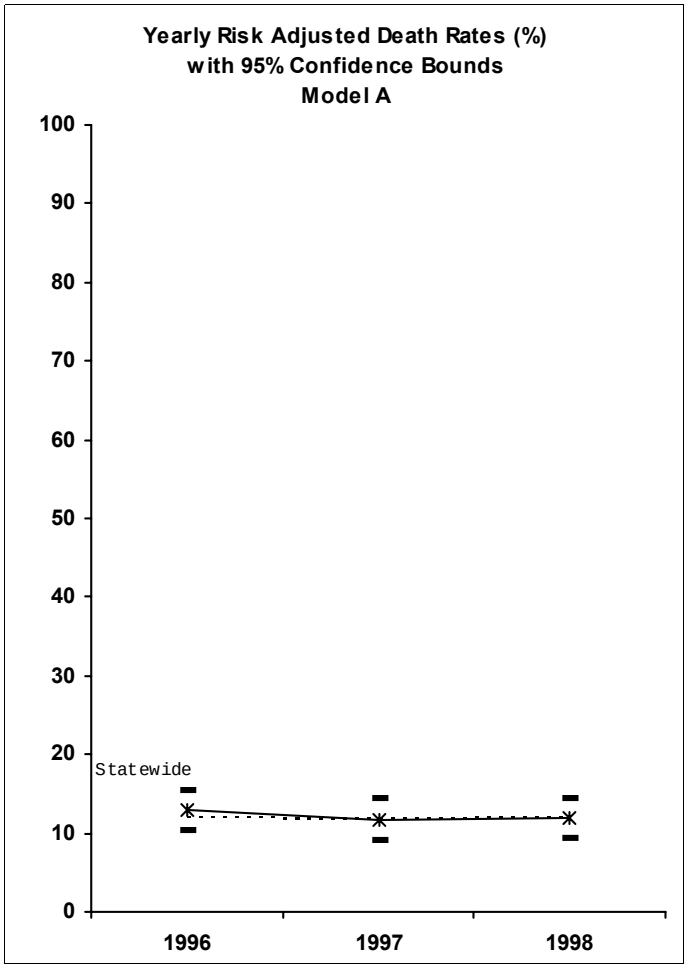


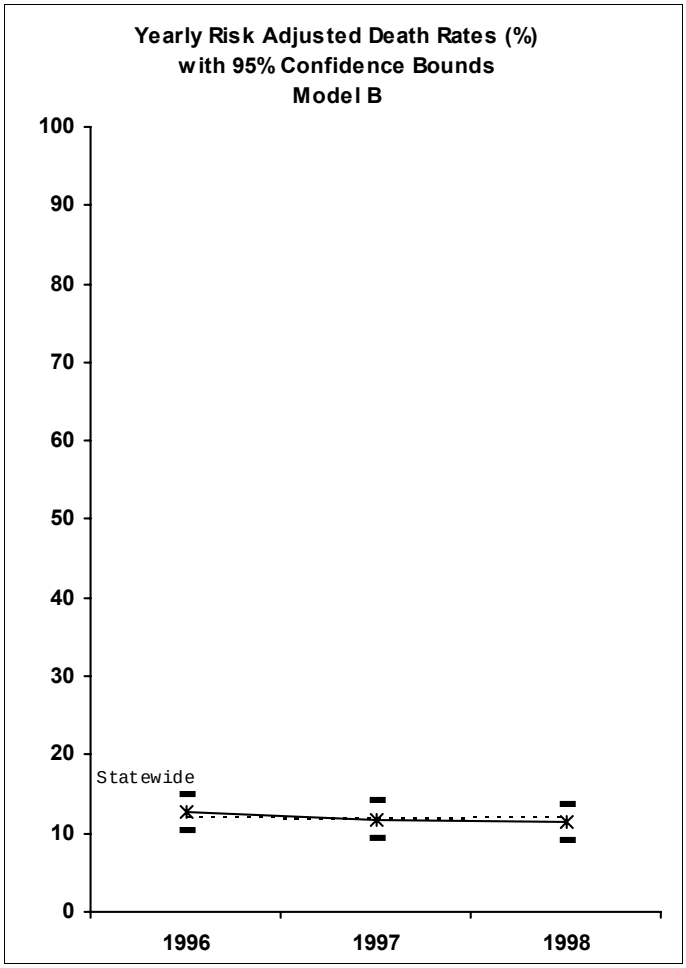
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Fresno County: St. Agnes Medical Center‡

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	1601	203	201.5	12.5	12.7	12.6	12.2	10.7	13.7	0.464
	1996	12.17742	535	72	68.3	7.3	13.5	12.8	12.8	10.3	15.4	0.327
	1997	12.02517	533	64	65.3	7.1	12.0	12.2	11.8	9.2	14.4	0.462
	1998	12.06405	533	67	67.9	7.2	12.6	12.7	11.9	9.4	14.4	0.485
Model B	All Years	12.10683	1582	201	202.6	11.6	12.7	12.8	12.0	10.7	13.4	0.465
	1996	12.18490	527	71	67.9	6.7	13.5	12.9	12.7	10.4	15.1	0.343
	1997	12.03332	525	63	64.3	6.6	12.0	12.2	11.8	9.4	14.2	0.456
	1998	12.10273	530	67	70.4	6.7	12.6	13.3	11.5	9.2	13.8	0.336



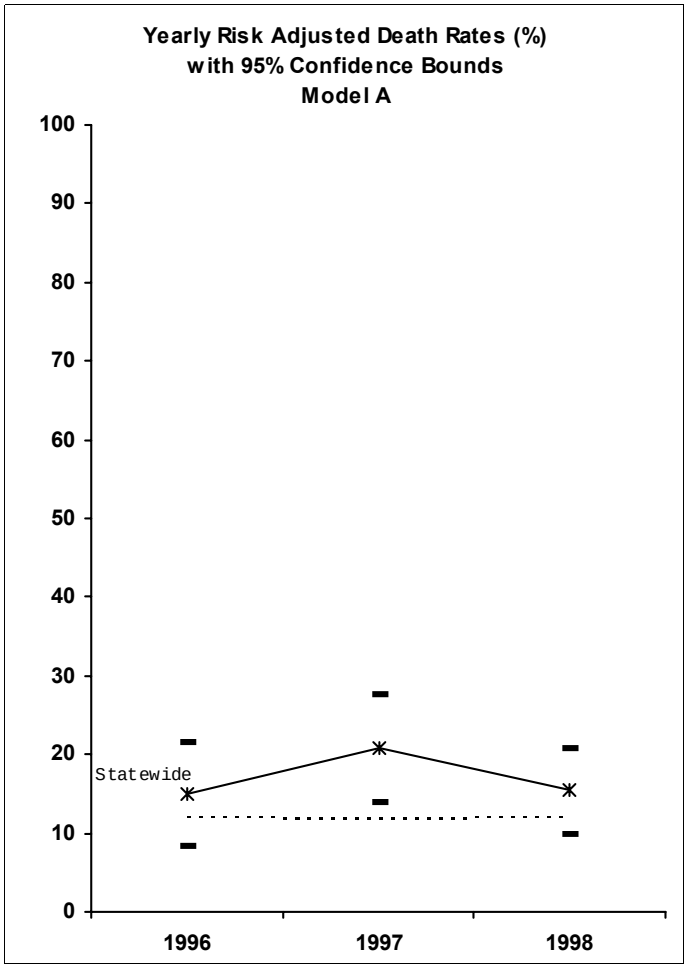


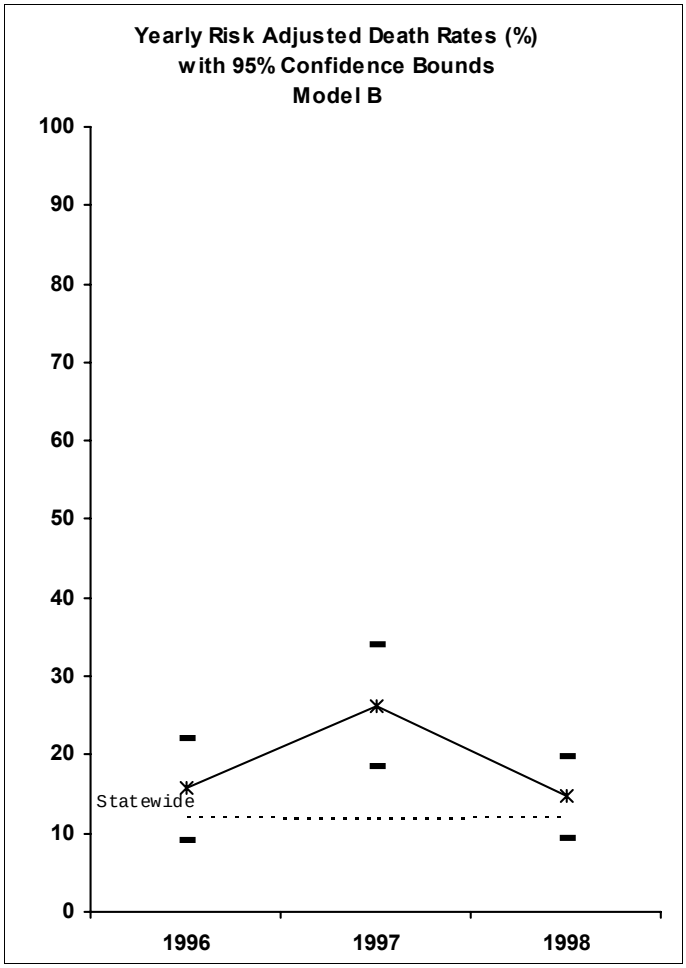
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Fresno County: University Medical Center - Fresno‡

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	289	47	33.9	5.1	16.3	11.7	16.8	13.2	20.3	0.009
	1996	12.17742	100	13	10.5	2.9	13.0	10.5	15.0	8.4	21.6	0.243
	1997	12.02517	86	16	9.3	2.7	18.6	10.8	20.8	13.9	27.6	0.014
	1998	12.06405	103	18	14.1	3.3	17.5	13.7	15.4	9.9	20.9	0.150
Model B	All Years	12.10683	287	46	31.4	4.8	16.0	11.0	17.7	14.1	21.3	0.002
	1996	12.18490	100	13	10.1	2.7	13.0	10.1	15.7	9.3	22.2	0.183
	1997	12.03332	85	16	7.3	2.4	18.8	8.6	26.3	18.6	34.0	0.001
	1998	12.10273	102	17	14.1	3.1	16.7	13.8	14.6	9.4	19.8	0.210



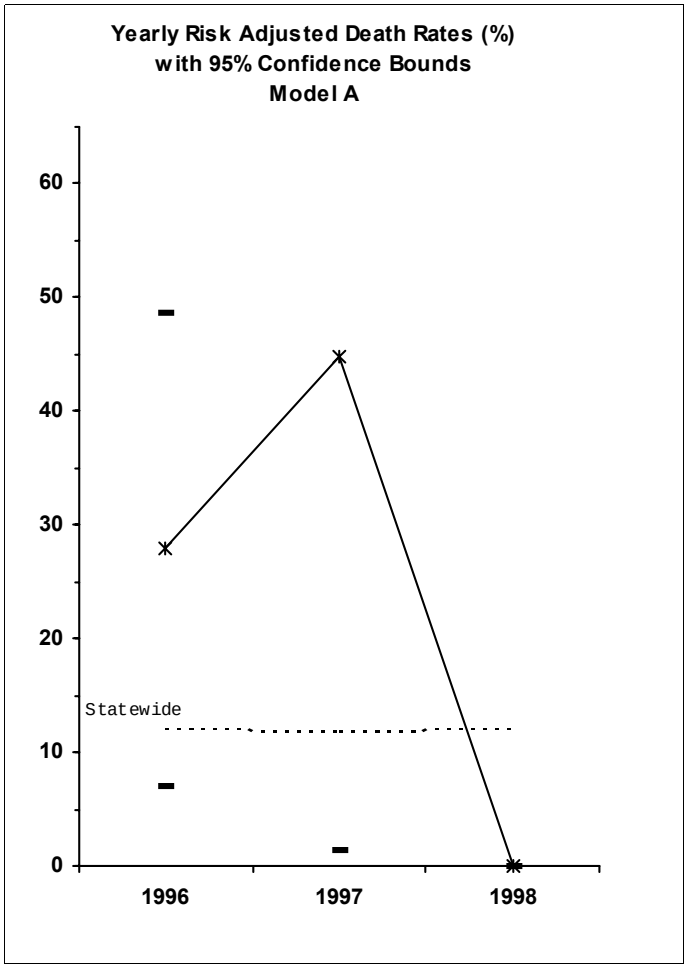


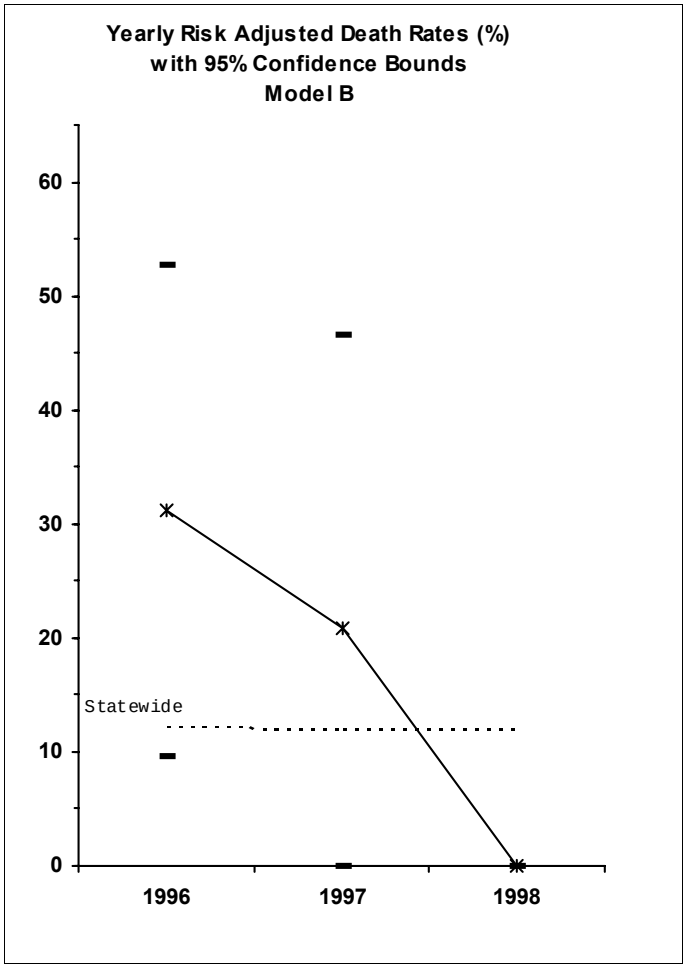
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Glenn County Summary

		Statewide Death Rate (%)	Number of Hospitals Included	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds	
											Lower	Upper
Model A	All Years	12.1	1	9	3	1.2	1.0	33.3	13.7	29.3	11.1	47.6
	1996	12.2	1	4	2	0.9	0.8	50.0	21.9	27.9	7.1	48.6
	1997	12.0	1	4	1	0.3	0.5	25.0	6.7	44.9	1.4	88.3
	1998	12.1	1	1	0	0.1	0.3	0.0	9.4	0.0	0.0	73.5
Model B	All Years	12.1	1	9	3	1.4	1.0	33.3	15.8	25.6	9.2	41.9
	1996	12.2	1	4	2	0.8	0.7	50.0	19.6	31.2	9.6	52.7
	1997	12.0	1	4	1	0.6	0.6	25.0	14.5	20.8	0.0	46.7
	1998	12.1	1	1	0	0.1	0.2	0.0	6.0	0.0	0.0	93.7

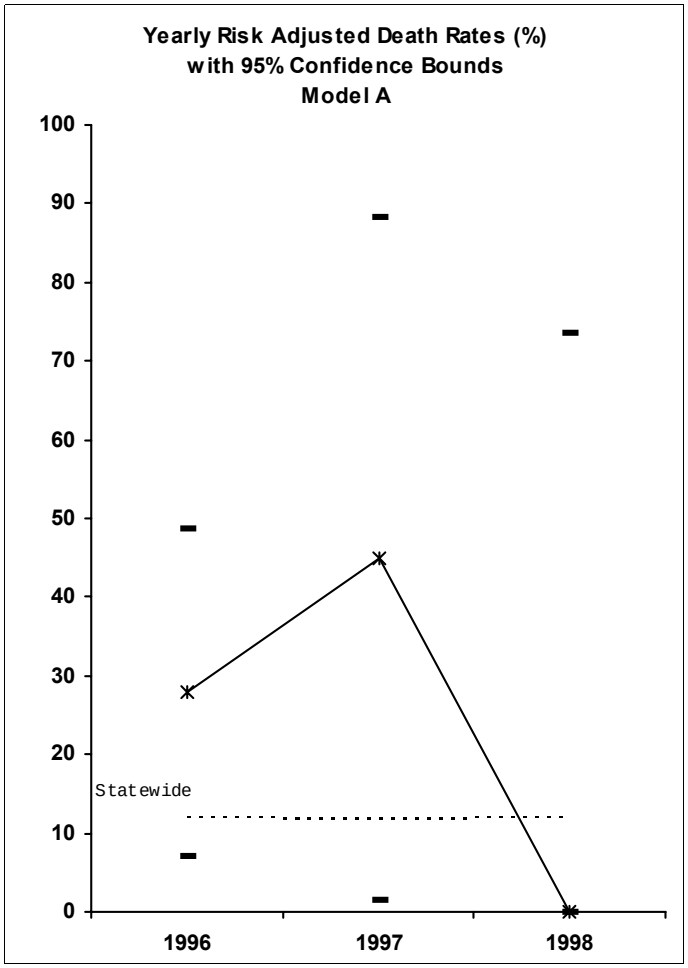


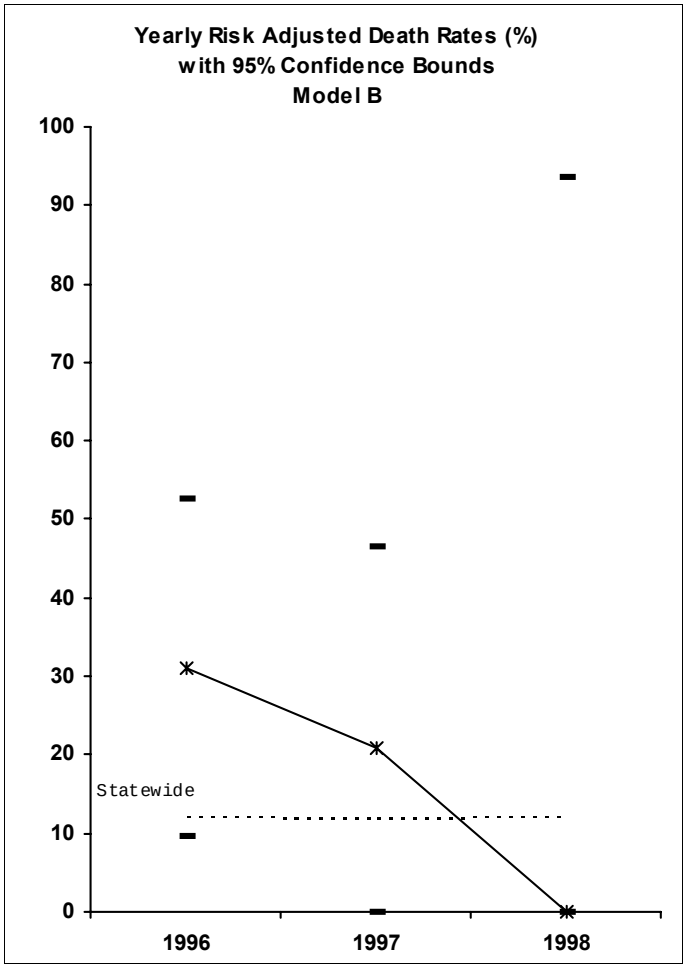


Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Glenn County: Glenn Medical Center

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	9	3	1.2	1.0	33.3	13.7	29.3	11.1	47.6	0.096
	1996	12.17742	4	2	0.9	0.8	50.0	21.9	27.9	7.1	48.6	0.198
	1997	12.02517	4	1	0.3	0.5	25.0	6.7	44.9	1.4	88.3	0.245
	1998	12.06405	1	0	0.1	0.3	0.0	9.4	0.0	0.0	73.5	0.906
Model B	All Years	12.10683	9	3	1.4	1.0	33.3	15.8	25.6	9.2	41.9	0.133
	1996	12.18490	4	2	0.8	0.7	50.0	19.6	31.2	9.6	52.7	0.149
	1997	12.03332	4	1	0.6	0.6	25.0	14.5	20.8	0.0	46.7	0.501
	1998	12.10273	1	0	0.1	0.2	0.0	6.0	0.0	0.0	93.7	0.940



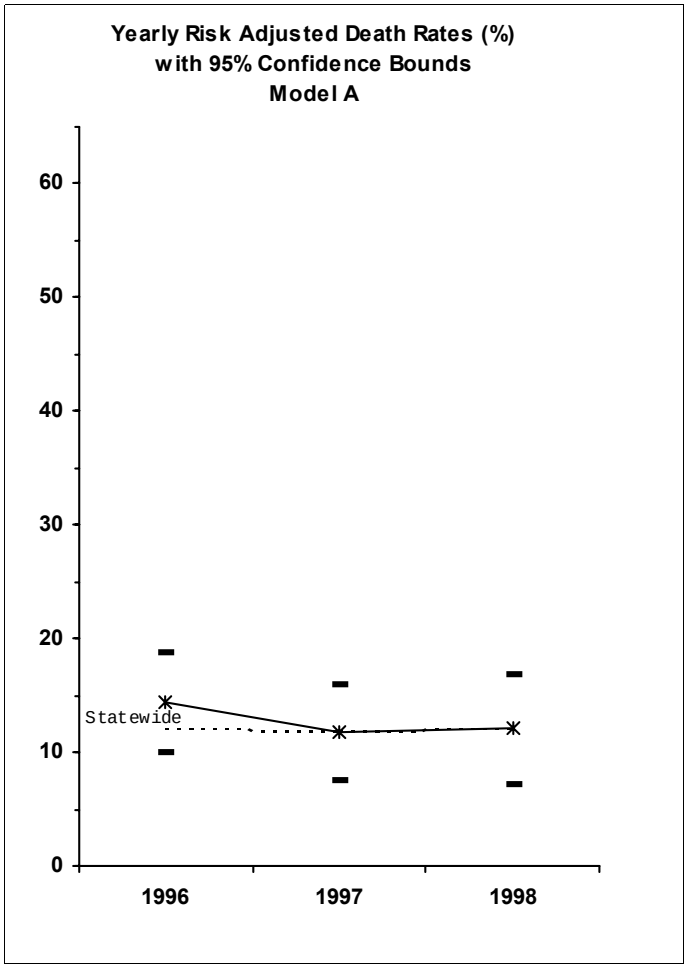


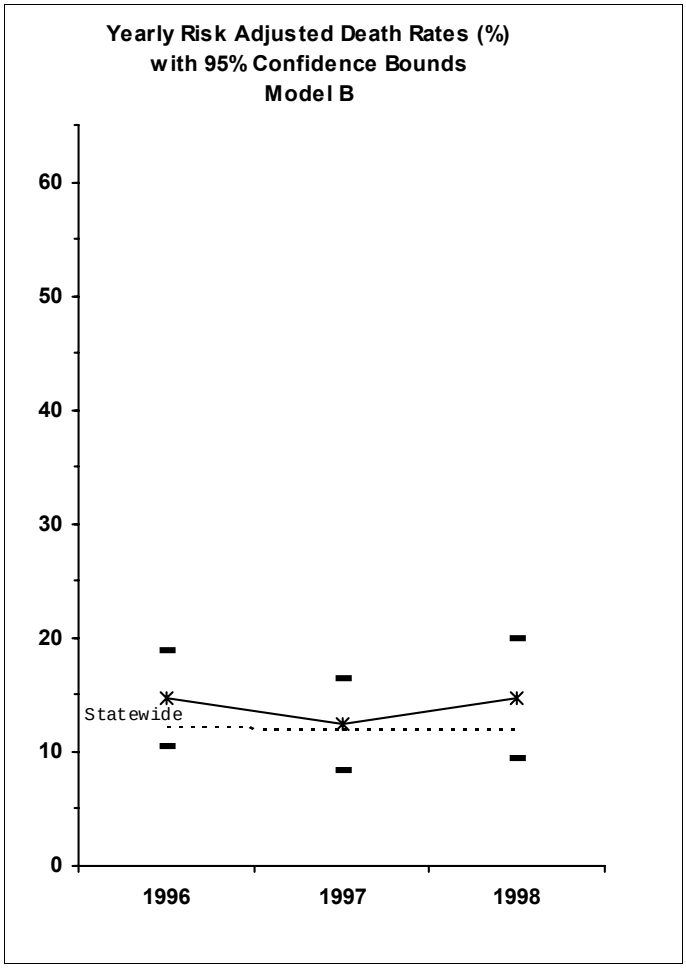
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Humboldt County Summary

		Statewide Death Rate (%)	Number of Hospitals Included	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds	
											Lower	Upper
Model A	All Years	12.1	5	489	69	65.0	7.0	14.1	13.3	12.8	10.3	15.4
	1996	12.2	5	187	28	23.7	4.3	15.0	12.7	14.4	10.1	18.7
	1997	12.0	5	168	23	23.4	4.2	13.7	13.9	11.8	7.6	16.0
	1998	12.1	5	134	18	17.9	3.7	13.4	13.4	12.1	7.3	16.9
Model B	All Years	12.1	5	485	68	59.5	6.4	14.0	12.3	13.8	11.3	16.4
	1996	12.2	5	185	27	22.3	4.0	14.6	12.1	14.7	10.5	19.0
	1997	12.0	5	168	23	22.4	3.8	13.7	13.3	12.4	8.3	16.4
	1998	12.1	5	132	18	14.8	3.2	13.6	11.2	14.7	9.5	19.9

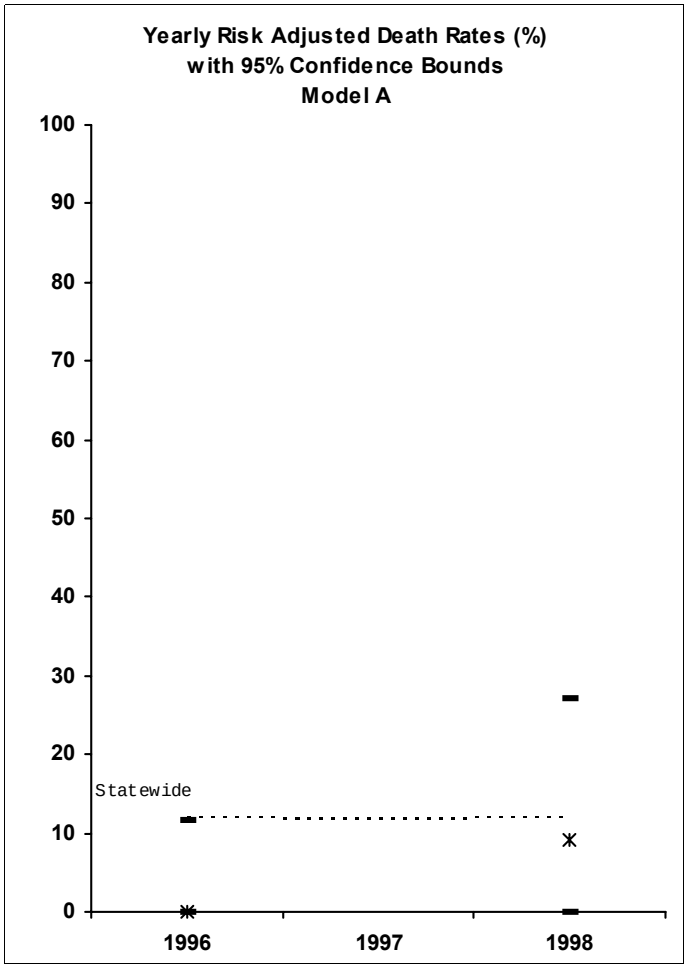


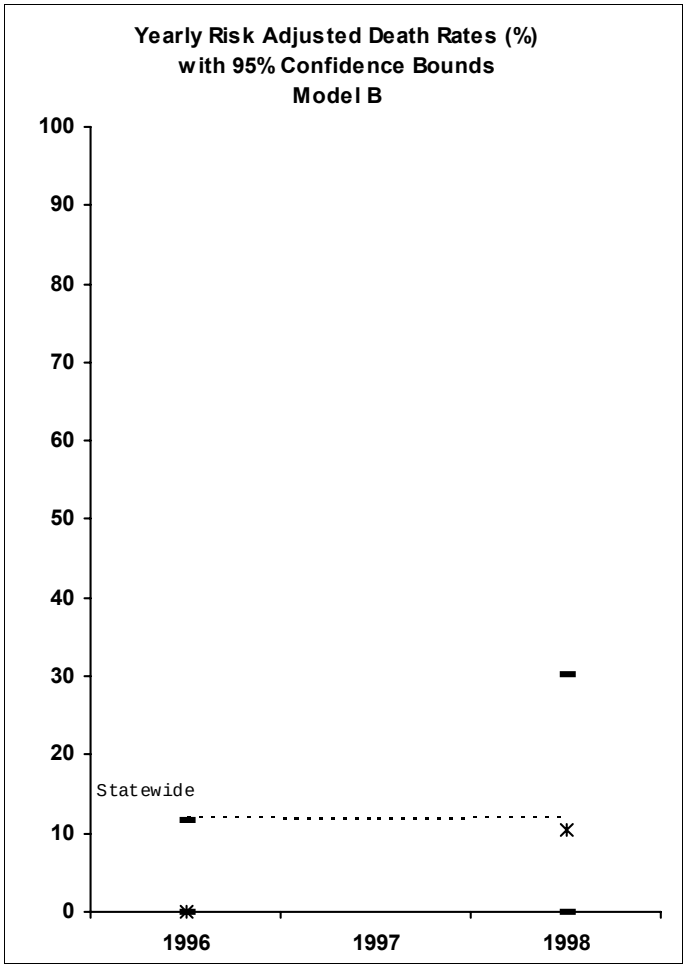


Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Humboldt County: General Hospital

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	38	1	4.4	1.8	2.6	11.6	2.7	0.0	12.6	0.043
	1996	12.17742	26	0	3.1	1.5	0.0	11.8	0.0	0.0	11.8	0.028
	1997	Excluded										
	1998	12.06405	12	1	1.3	1.0	8.3	11.1	9.0	0.0	27.3	0.603
Model B	All Years	12.10683	37	1	4.0	1.7	2.7	10.9	3.0	0.0	13.0	0.056
	1996	12.18490	26	0	2.9	1.4	0.0	11.1	0.0	0.0	11.6	0.029
	1997	Excluded										
	1998	12.10273	11	1	1.2	1.0	9.1	10.5	10.5	0.0	30.2	0.675



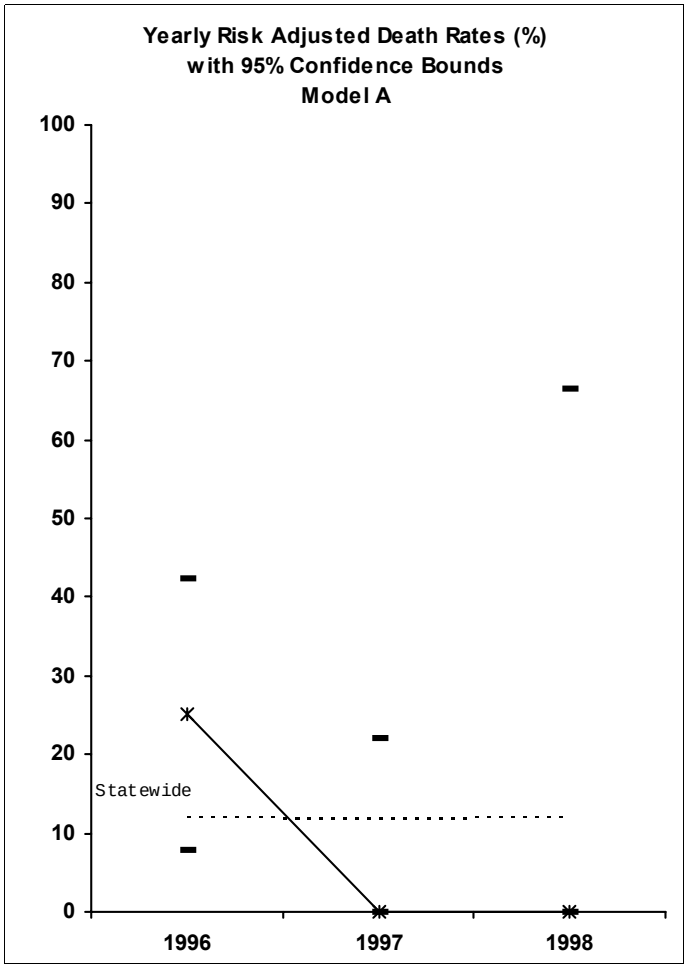


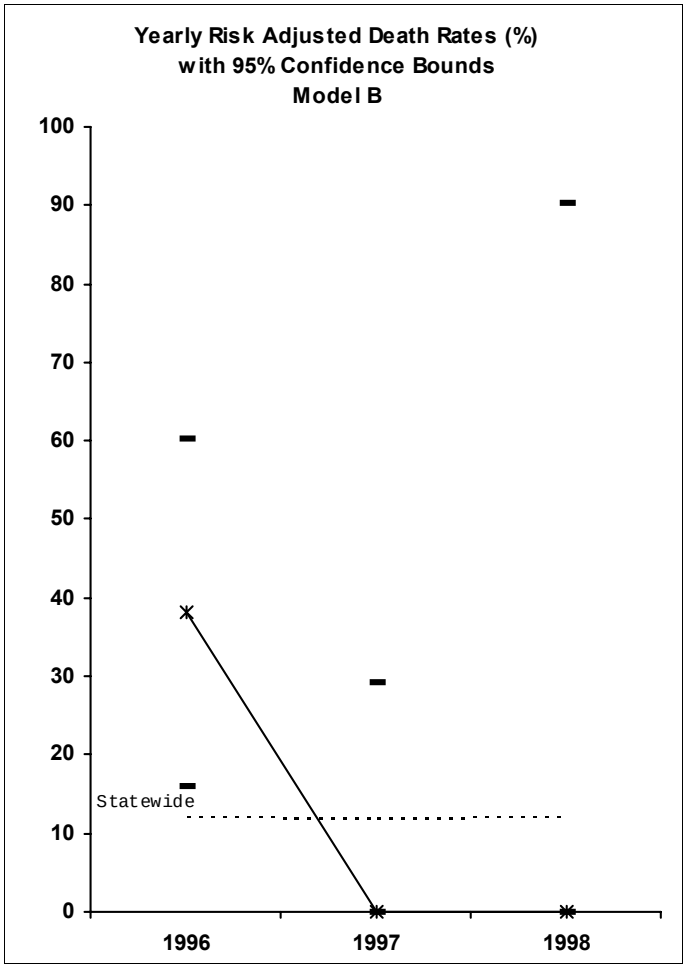
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Humboldt County: Gerold Phelps Community Hospital

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	21	3	2.5	1.4	14.3	11.7	14.8	1.4	28.1	0.457
	1996	12.17742	12	3	1.5	1.1	25.0	12.2	25.0	7.8	42.3	0.158
	1997	12.02517	8	0	0.9	0.8	0.0	11.0	0.0	0.0	22.2	0.367
	1998	12.06405	1	0	0.1	0.3	0.0	11.2	0.0	0.0	66.5	0.888
Model B	All Years	12.10683	21	3	1.6	1.2	14.3	7.5	23.0	5.6	40.4	0.200
	1996	12.18490	12	3	1.0	0.9	25.0	8.0	38.2	15.9	60.4	0.054
	1997	12.03332	8	0	0.6	0.7	0.0	7.0	0.0	0.0	29.3	0.548
	1998	12.10273	1	0	0.1	0.2	0.0	6.5	0.0	0.0	90.2	0.935



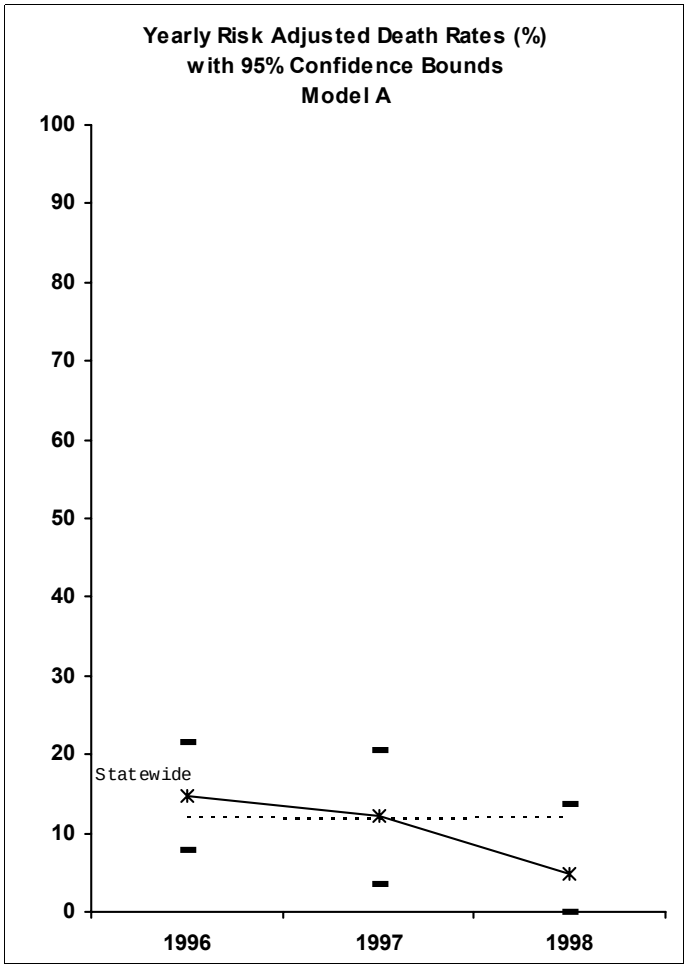


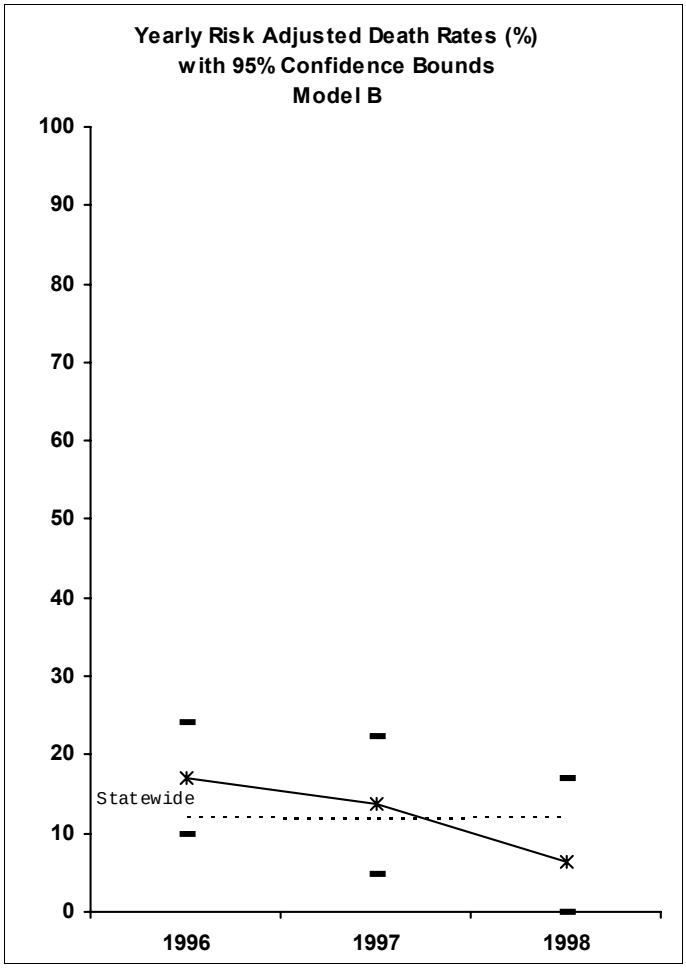
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Humboldt County: Mad River Community Hospital

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	141	19	20.2	3.9	13.5	14.3	11.4	6.8	16.0	0.441
	1996	12.17742	63	11	9.1	2.6	17.5	14.4	14.7	7.8	21.7	0.287
	1997	12.02517	45	6	5.9	2.1	13.3	13.2	12.1	3.7	20.6	0.565
	1998	12.06405	33	2	5.1	1.9	6.1	15.6	4.7	0.0	13.6	0.077
Model B	All Years	12.10683	141	19	16.9	3.5	13.5	12.0	13.6	8.7	18.5	0.319
	1996	12.18490	63	11	7.9	2.3	17.5	12.5	17.0	9.9	24.0	0.134
	1997	12.03332	45	6	5.3	2.0	13.3	11.7	13.7	4.9	22.5	0.436
	1998	12.10273	33	2	3.8	1.7	6.1	11.4	6.4	0.0	17.0	0.234



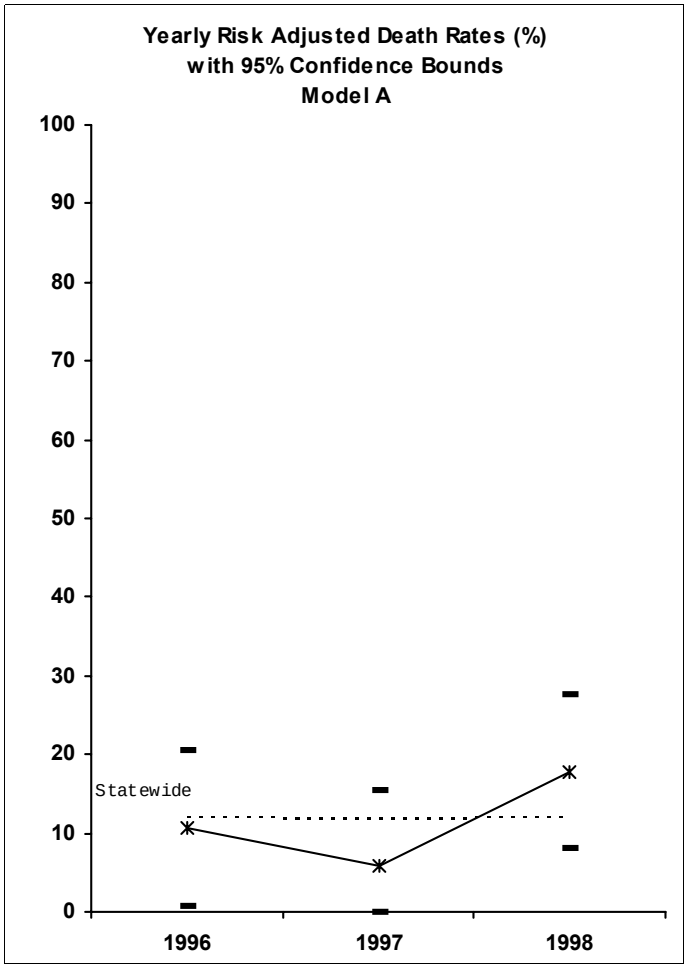


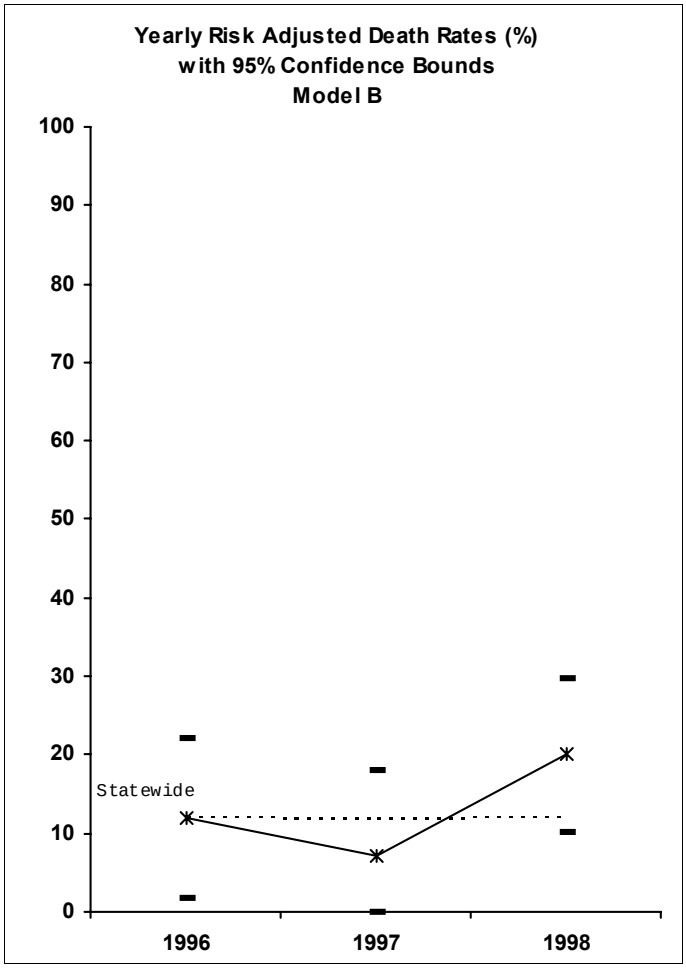
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Humboldt County: Redwood Memorial Hospital

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	96	13	13.5	3.2	13.5	14.1	11.6	6.0	17.3	0.509
	1996	12.17742	35	4	4.6	1.9	11.4	13.1	10.6	0.8	20.5	0.502
	1997	12.02517	26	2	4.2	1.7	7.7	16.2	5.7	0.0	15.5	0.163
	1998	12.06405	35	7	4.7	1.9	20.0	13.5	17.9	8.2	27.5	0.175
Model B	All Years	12.10683	96	13	11.6	2.9	13.5	12.1	13.5	7.6	19.4	0.372
	1996	12.18490	35	4	4.1	1.7	11.4	11.6	12.0	1.8	22.1	0.617
	1997	12.03332	26	2	3.3	1.5	7.7	12.8	7.2	0.0	18.0	0.306
	1998	12.10273	35	7	4.2	1.7	20.0	12.1	20.0	10.2	29.8	0.101



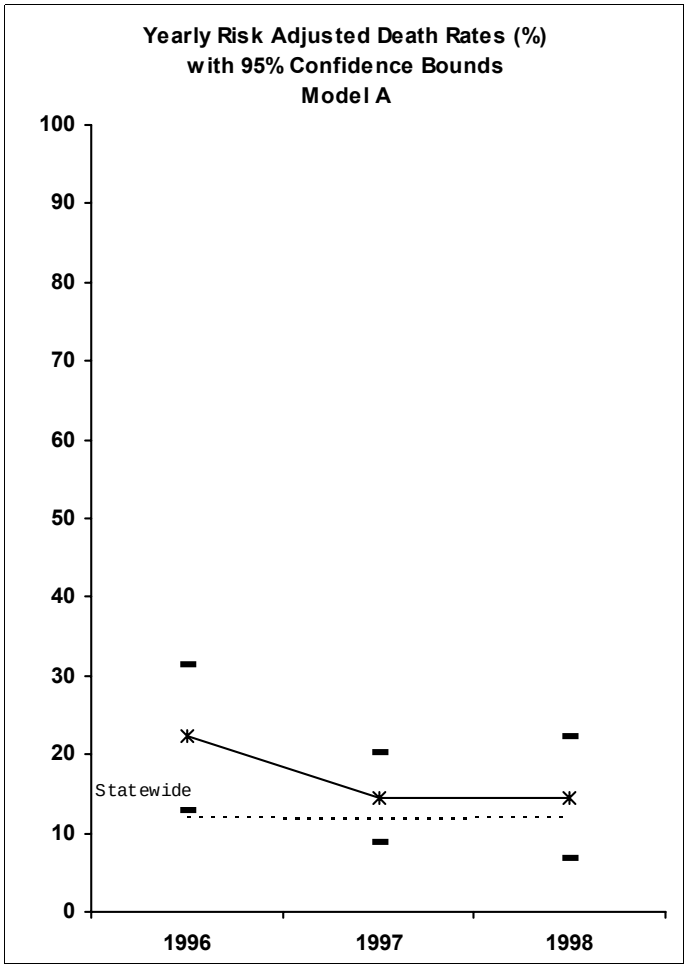


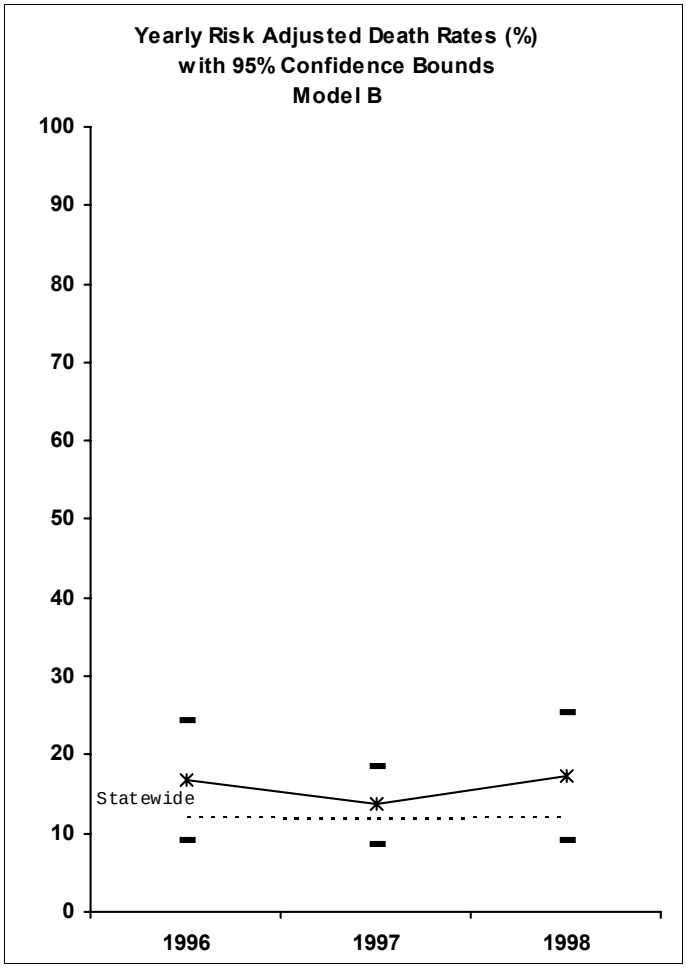
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Humboldt County: St. Joseph Hospital - Eureka

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	193	33	24.5	4.3	17.1	12.7	16.3	12.2	20.4	0.034
	1996	12.17742	51	10	5.5	2.1	19.6	10.7	22.2	13.1	31.4	0.035
	1997	12.02517	89	15	12.4	3.0	16.9	13.9	14.6	8.8	20.3	0.235
	1998	12.06405	53	8	6.6	2.2	15.1	12.5	14.6	6.7	22.4	0.332
Model B	All Years	12.10683	190	32	25.3	4.0	16.8	13.3	15.3	11.6	19.0	0.063
	1996	12.18490	49	9	6.5	2.1	18.4	13.3	16.8	9.2	24.5	0.169
	1997	12.03332	89	15	13.2	2.8	16.9	14.9	13.7	8.6	18.7	0.317
	1998	12.10273	52	8	5.6	1.9	15.4	10.7	17.3	9.3	25.4	0.154



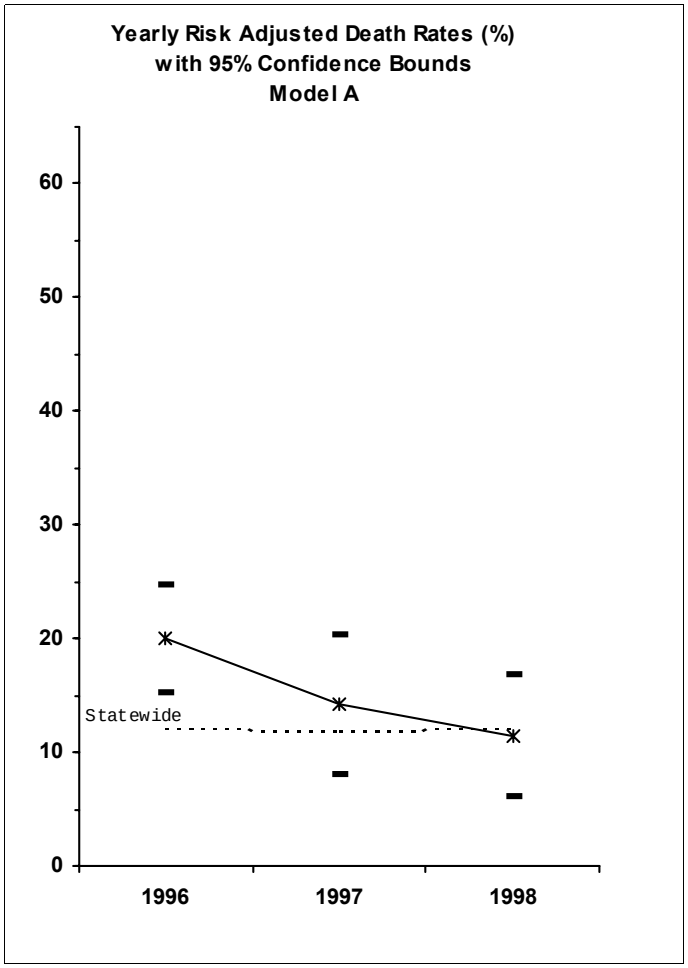


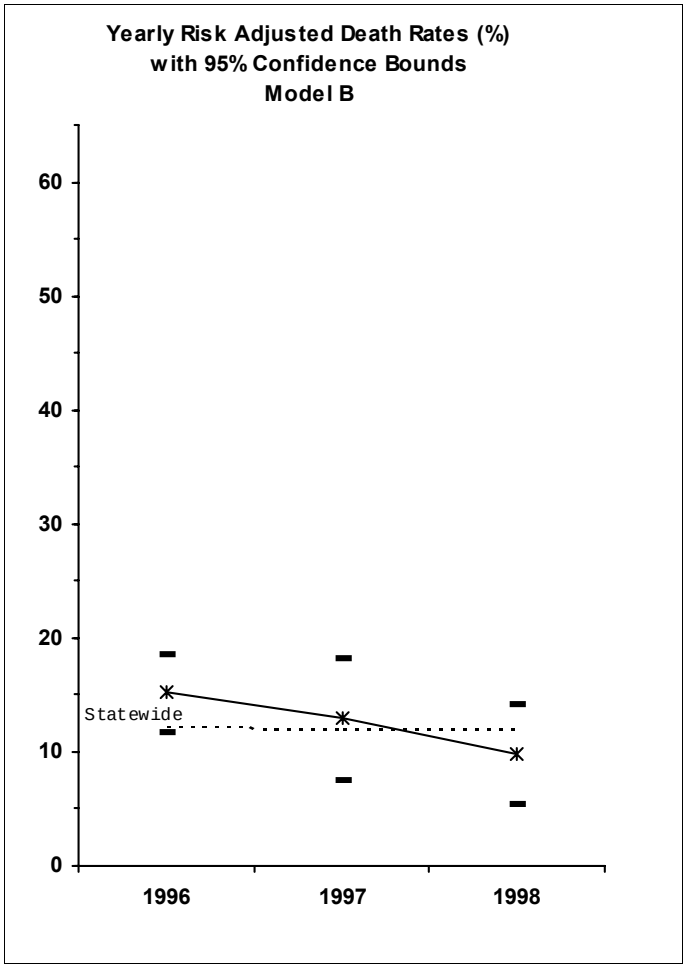
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Imperial County Summary

		Statewide Death Rate (%)	Number of Hospitals Included	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds	
											Lower	Upper
Model A	All Years	12.1	2	348	58	44.6	5.8	16.7	12.8	15.7	12.6	18.8
	1996	12.2	2	145	31	18.8	3.7	21.4	13.0	20.0	15.3	24.8
	1997	12.0	2	86	13	11.0	2.9	15.1	12.8	14.2	8.0	20.4
	1998	12.1	2	117	14	14.8	3.4	12.0	12.6	11.4	6.1	16.8
Model B	All Years	12.1	2	348	58	54.3	5.5	16.7	15.6	12.9	10.5	15.4
	1996	12.2	2	145	31	24.8	3.6	21.4	17.1	15.2	11.8	18.6
	1997	12.0	2	86	13	12.1	2.8	15.1	14.1	12.9	7.5	18.3
	1998	12.1	2	117	14	17.3	3.2	12.0	14.8	9.8	5.4	14.2

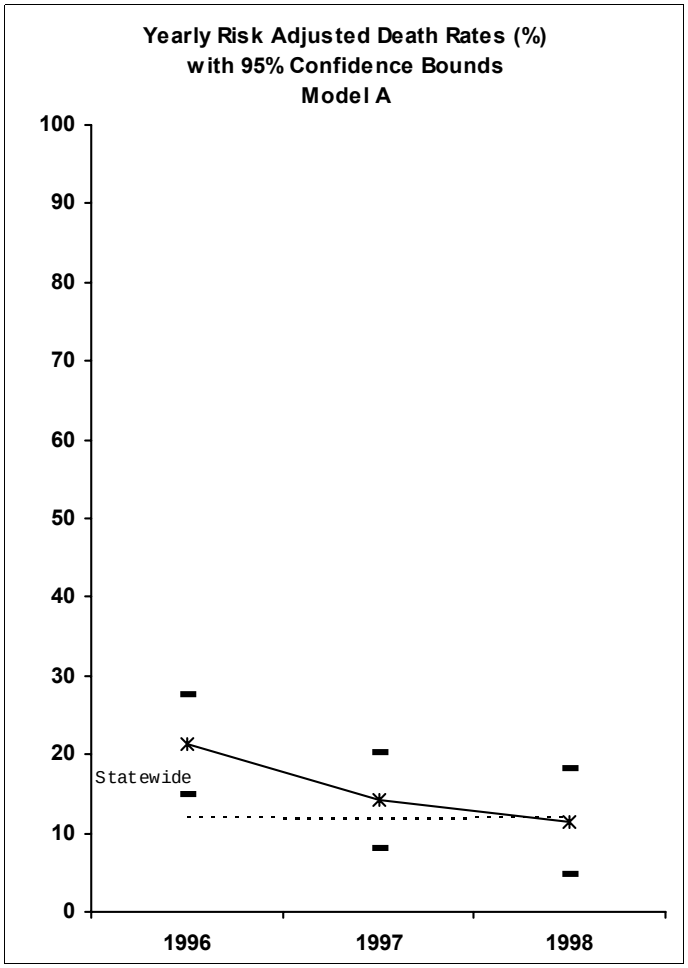


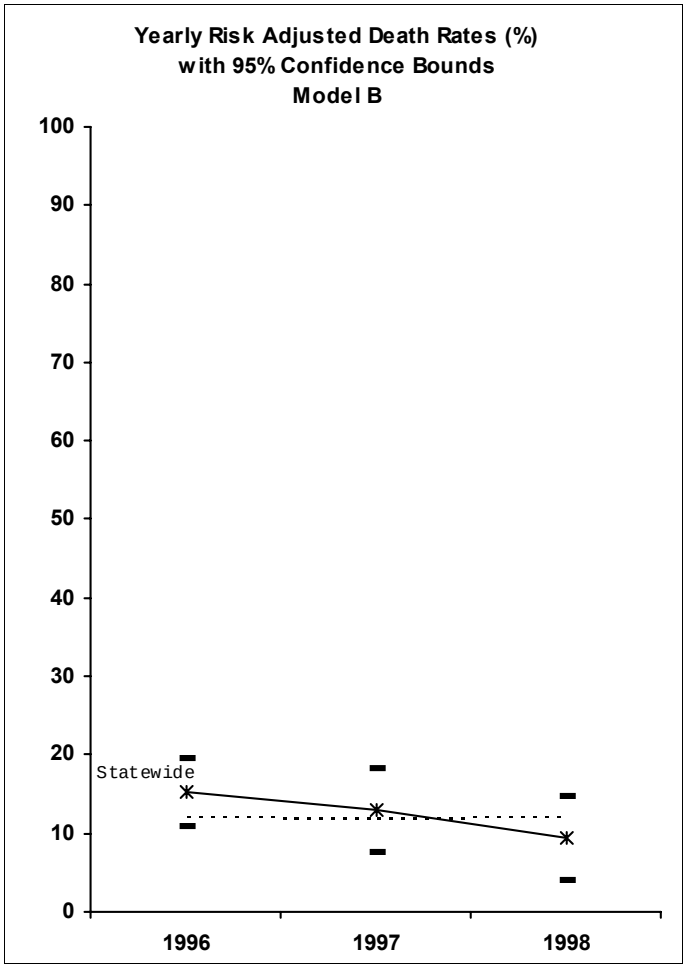


Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Imperial County: El Centro Regional Medical Center

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	252	41	31.3	4.9	16.3	12.4	15.8	12.1	19.5	0.034
	1996	12.17742	91	19	10.9	2.9	20.9	11.9	21.3	14.9	27.7	0.006
	1997	12.02517	86	13	11.0	2.9	15.1	12.8	14.2	8.0	20.4	0.293
	1998	12.06405	75	9	9.5	2.7	12.0	12.6	11.5	4.7	18.2	0.519
Model B	All Years	12.10683	252	41	38.9	4.7	16.3	15.4	12.8	9.9	15.6	0.361
	1996	12.18490	91	19	15.2	2.8	20.9	16.7	15.3	10.9	19.6	0.116
	1997	12.03332	86	13	12.1	2.8	15.1	14.1	12.9	7.5	18.3	0.438
	1998	12.10273	75	9	11.6	2.6	12.0	15.4	9.4	4.1	14.8	0.216



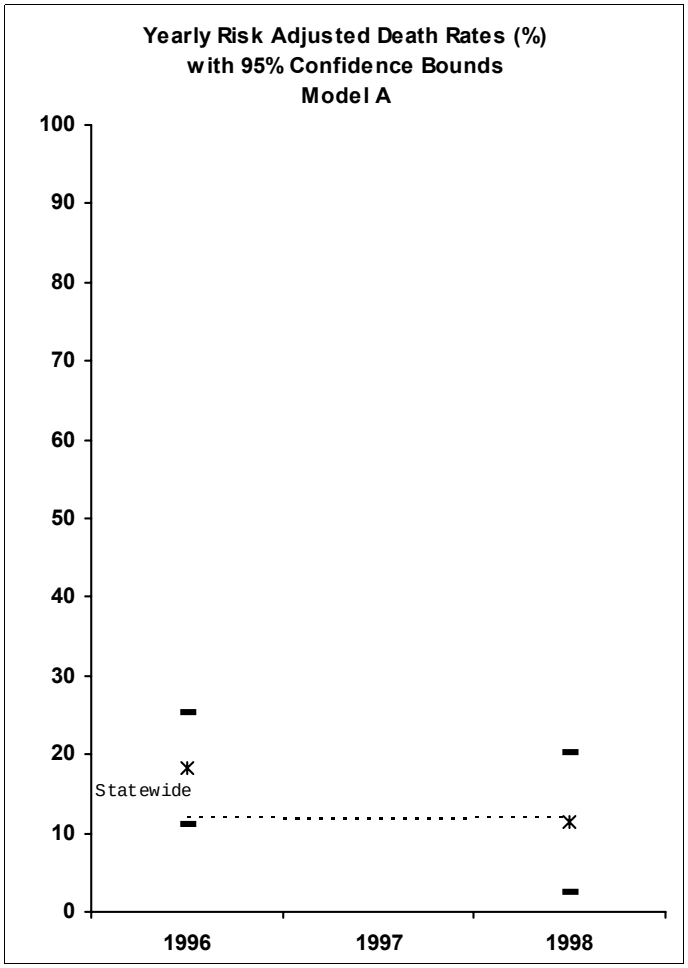


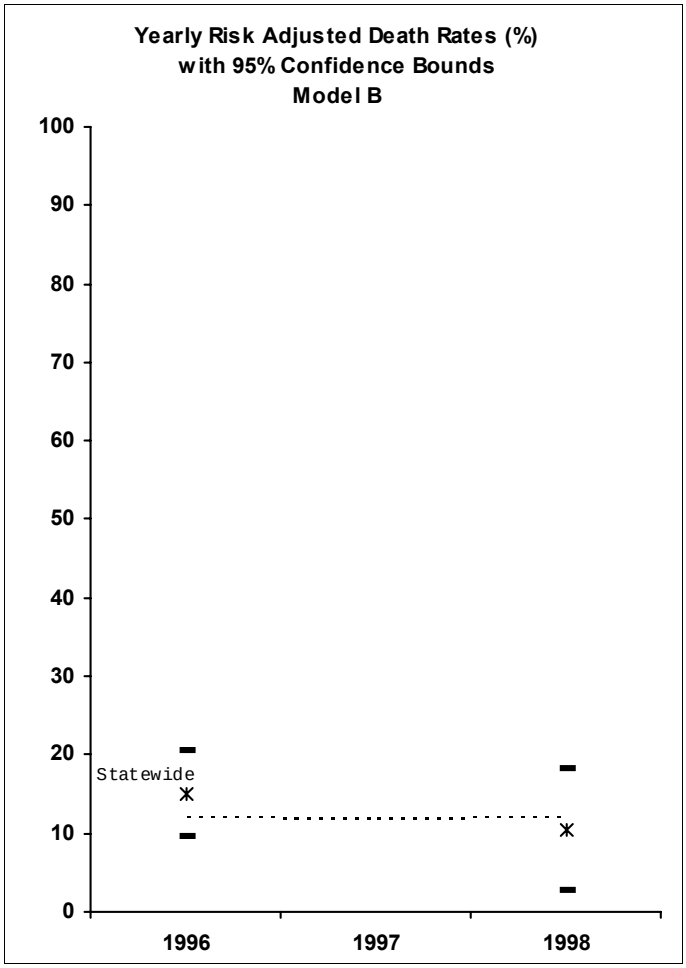
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Imperial County: Pioneers Memorial Healthcare District

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	96	17	13.3	3.1	17.7	13.8	15.5	10.0	21.0	0.148
	1996	12.17742	54	12	8.0	2.4	22.2	14.8	18.3	11.2	25.4	0.072
	1997	Excluded										
	1998	12.06405	42	5	5.3	2.0	11.9	12.6	11.4	2.5	20.3	0.560
Model B	All Years	12.10683	96	17	15.4	2.9	17.7	16.1	13.3	8.8	17.9	0.349
	1996	12.18490	54	12	9.7	2.3	22.2	17.9	15.1	9.5	20.7	0.205
	1997	Excluded										
	1998	12.10273	42	5	5.7	1.9	11.9	13.7	10.5	2.8	18.3	0.463



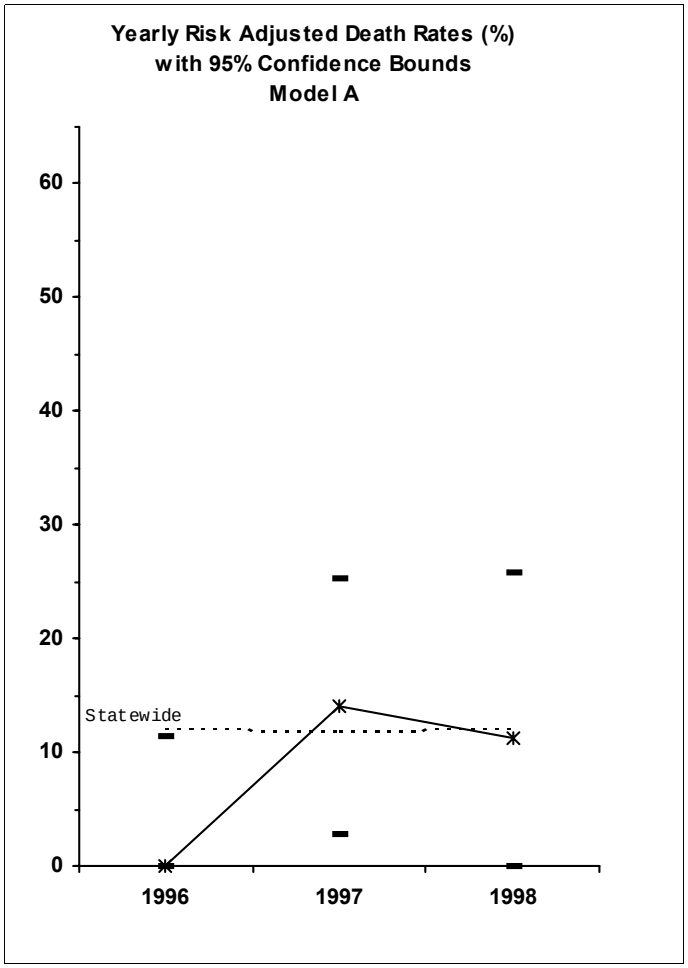


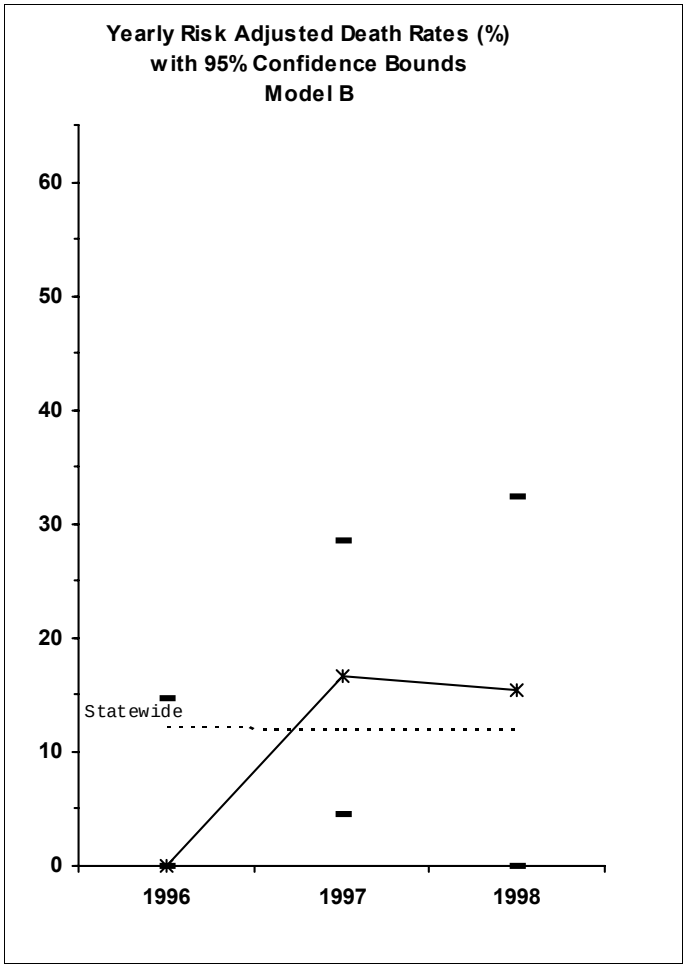
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Inyo County Summary

		Statewide Death Rate (%)	Number of Hospitals Included	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds	
											Lower	Upper
Model A	All Years	12.1	2	78	6	9.1	2.7	7.7	11.6	8.0	1.0	15.0
	1996	12.2	2	33	0	3.5	1.7	0.0	10.6	0.0	0.0	11.4
	1997	12.0	2	25	4	3.4	1.6	16.0	13.7	14.0	2.8	25.3
	1998	12.1	2	20	2	2.2	1.3	10.0	10.8	11.2	0.0	25.8
Model B	All Years	12.1	2	78	6	6.8	2.3	7.7	8.7	10.8	2.6	19.0
	1996	12.2	2	33	0	2.3	1.4	0.0	6.9	0.0	0.0	14.7
	1997	12.0	2	25	4	2.9	1.5	16.0	11.6	16.6	4.6	28.6
	1998	12.1	2	20	2	1.6	1.1	10.0	7.9	15.3	0.0	32.4

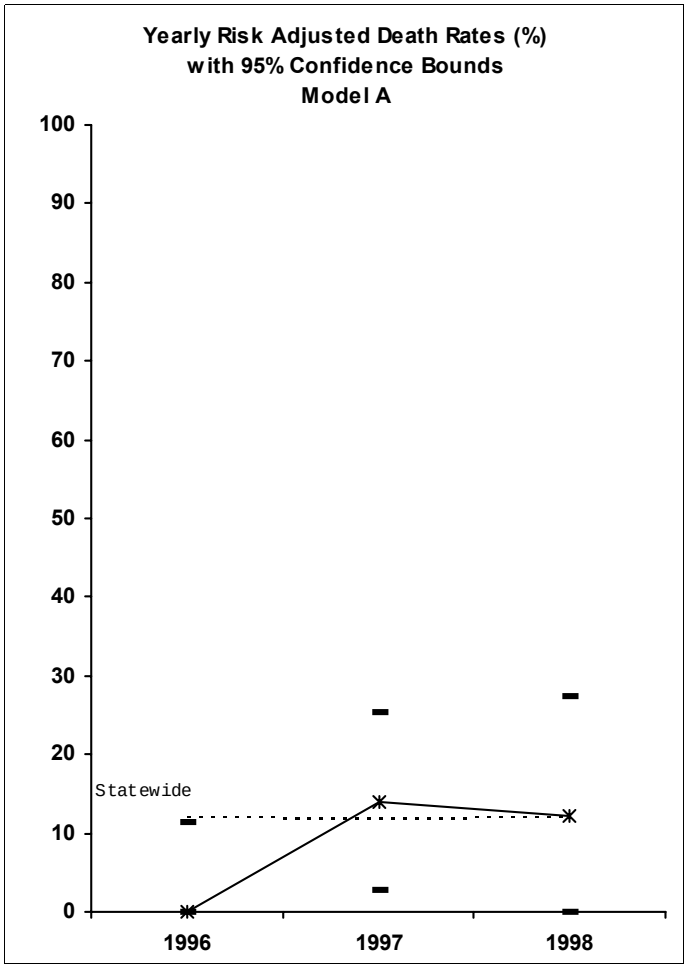


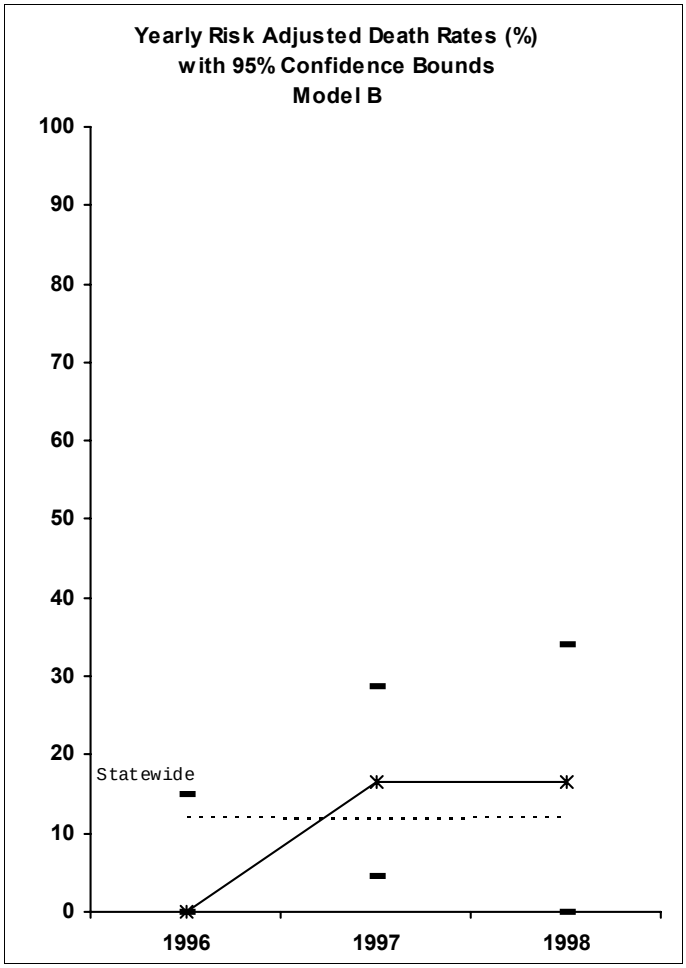


Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Inyo County: Northern Inyo Hospital

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	76	6	8.8	2.6	7.9	11.6	8.2	1.1	15.3	0.193
	1996	12.17742	32	0	3.4	1.7	0.0	10.7	0.0	0.0	11.5	0.021
	1997	12.02517	25	4	3.4	1.6	16.0	13.7	14.0	2.8	25.3	0.458
	1998	12.06405	19	2	2.0	1.3	10.5	10.4	12.2	0.0	27.4	0.614
Model B	All Years	12.10683	76	6	6.6	2.3	7.9	8.7	11.0	2.7	19.3	0.503
	1996	12.18490	32	0	2.2	1.4	0.0	7.0	0.0	0.0	14.9	0.091
	1997	12.03332	25	4	2.9	1.5	16.0	11.6	16.6	4.6	28.6	0.322
	1998	12.10273	19	2	1.5	1.1	10.5	7.7	16.5	0.0	34.1	0.446



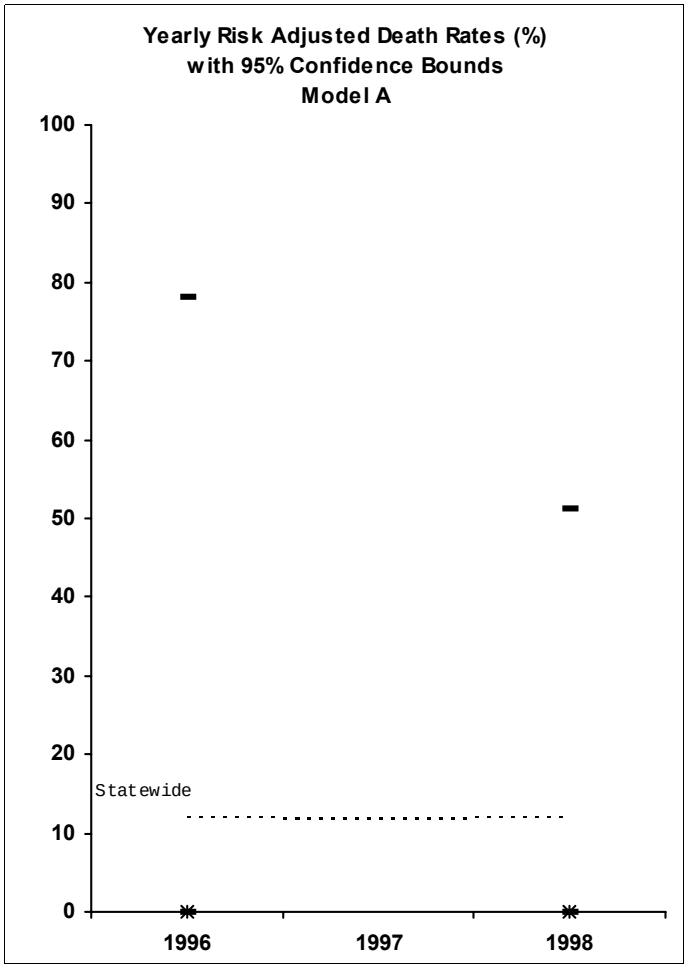


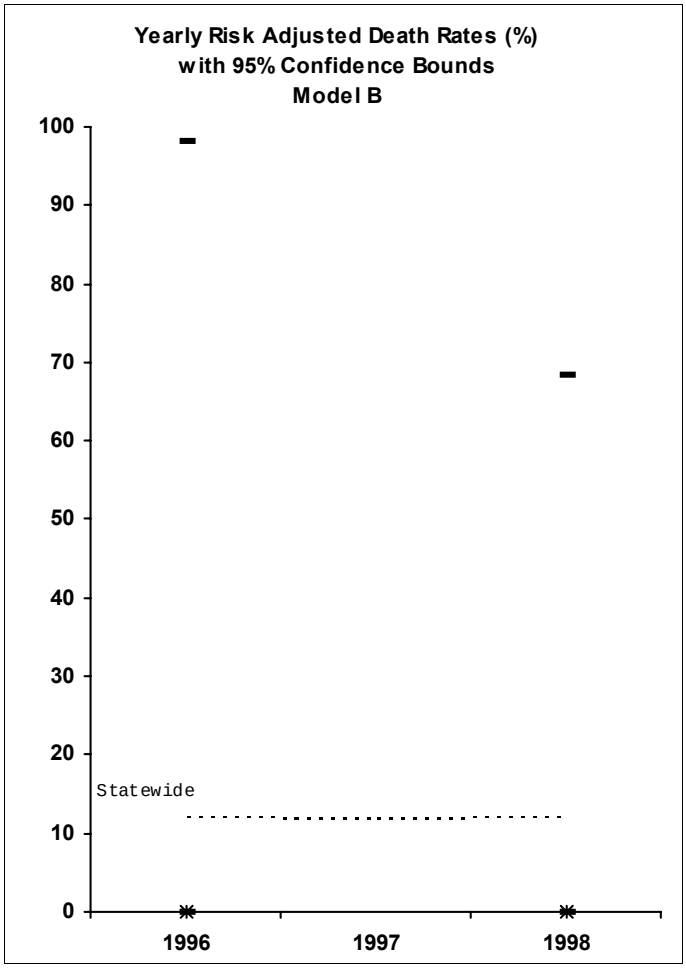
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Inyo County: Southern Inyo Hospital

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	2	0	0.3	0.5	0.0	13.0	0.0	0.0	42.9	0.754
	1996	12.17742	1	0	0.1	0.3	0.0	8.5	0.0	0.0	78.1	0.915
	1997	12.02517	0									
	1998	12.06405	1	0	0.2	0.4	0.0	17.5	0.0	0.0	51.3	0.825
Model B	All Years	12.10683	2	0	0.2	0.4	0.0	8.2	0.0	0.0	56.0	0.843
	1996	12.18490	1	0	0.1	0.2	0.0	5.6	0.0	0.0	98.3	0.944
	1997	12.03332	0									
	1998	12.10273	1	0	0.1	0.3	0.0	10.7	0.0	0.0	68.4	0.893



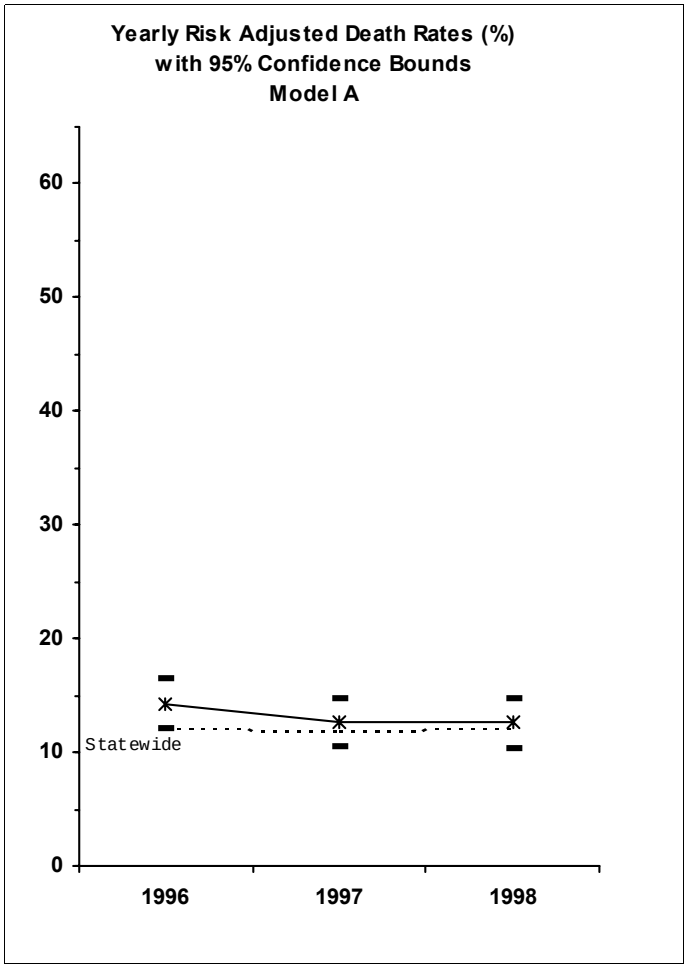


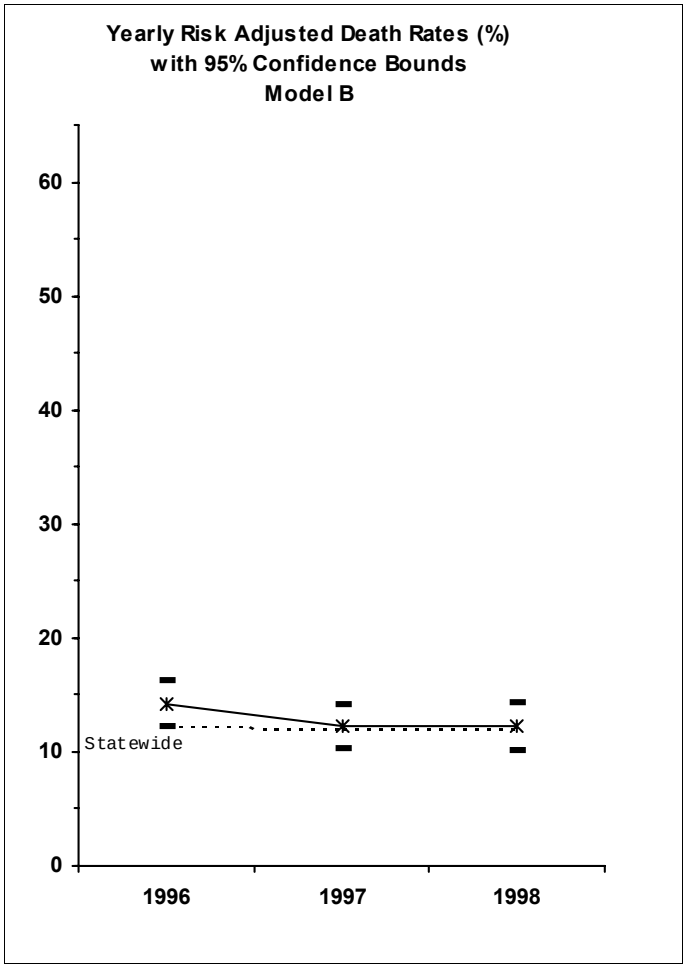
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Kern County Summary

		Statewide Death Rate (%)	Number of Hospitals Included	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds	
											Lower	Upper
Model A	All Years	12.1	9	2,430	304	278.2	14.8	12.5	11.4	13.2	11.9	14.5
	1996	12.2	9	865	114	97.0	8.8	13.2	11.2	14.3	12.2	16.5
	1997	12.0	9	802	99	94.0	8.6	12.3	11.7	12.7	10.5	14.8
	1998	12.1	9	763	91	87.2	8.3	11.9	11.4	12.6	10.3	14.8
Model B	All Years	12.1	9	2,424	304	284.2	13.7	12.5	11.7	12.9	11.8	14.1
	1996	12.2	9	862	114	97.6	8.1	13.2	11.3	14.2	12.3	16.2
	1997	12.0	9	800	99	97.0	7.9	12.4	12.1	12.3	10.4	14.2
	1998	12.1	9	762	91	89.6	7.7	11.9	11.8	12.3	10.2	14.3

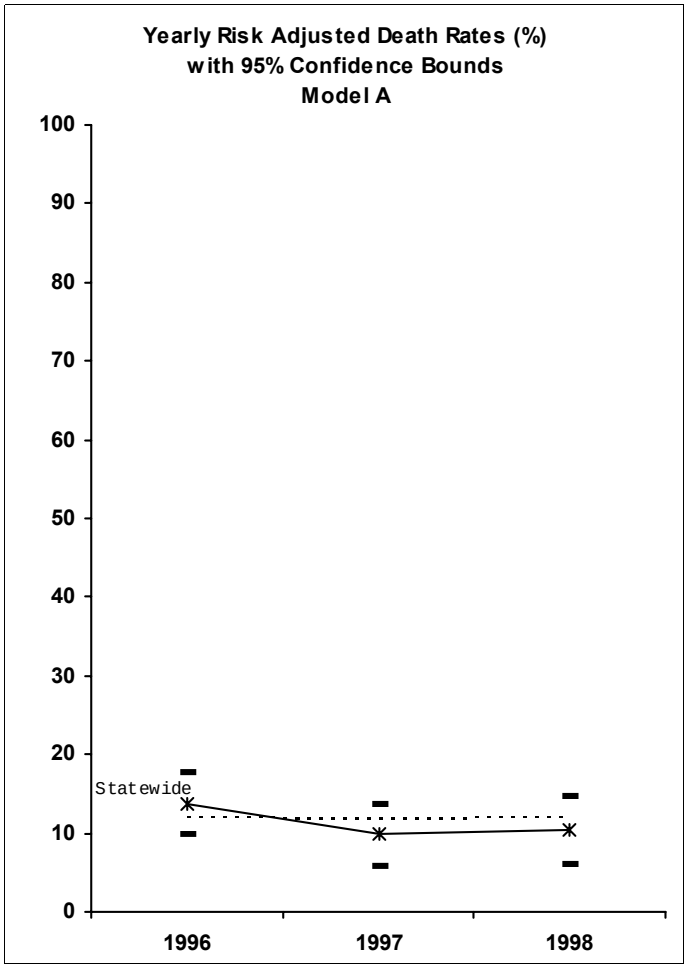


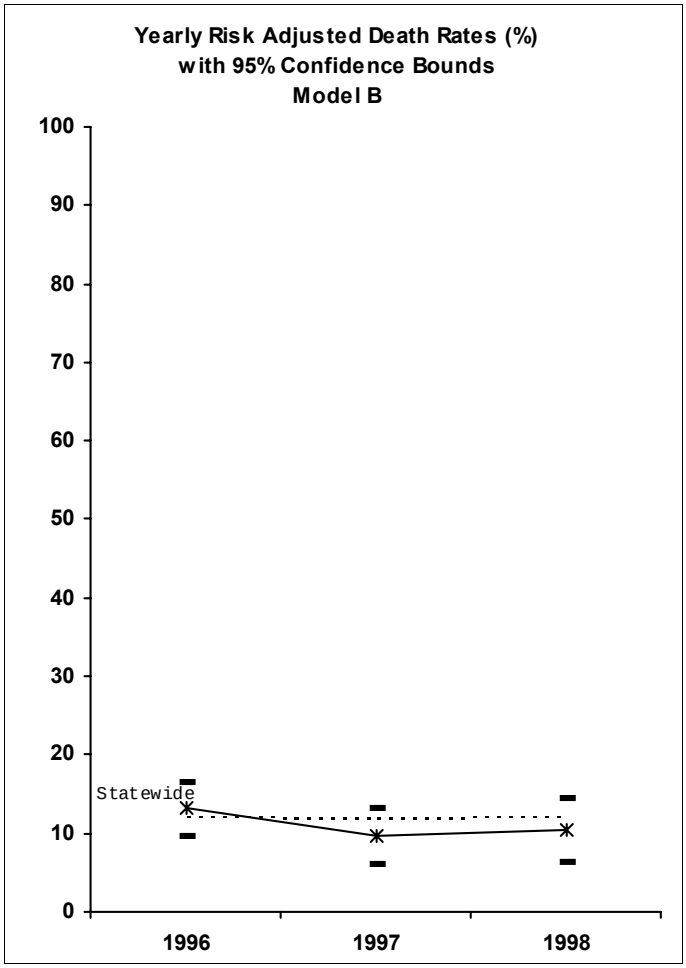


Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Kern County: Bakersfield Memorial Hospital

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	845	79	83.8	8.3	9.3	9.9	11.4	9.1	13.7	0.306
	1996	12.17742	302	34	30.0	5.0	11.3	9.9	13.8	9.9	17.8	0.235
	1997	12.02517	256	23	28.3	4.8	9.0	11.0	9.8	5.8	13.8	0.158
	1998	12.06405	287	22	25.5	4.6	7.7	8.9	10.4	6.1	14.7	0.261
Model B	All Years	12.10683	845	79	85.7	7.6	9.3	10.1	11.2	9.0	13.3	0.208
	1996	12.18490	302	34	31.5	4.6	11.3	10.4	13.1	9.7	16.6	0.328
	1997	12.03332	256	23	28.8	4.4	9.0	11.2	9.6	6.0	13.2	0.111
	1998	12.10273	287	22	25.4	4.3	7.7	8.9	10.5	6.5	14.5	0.249



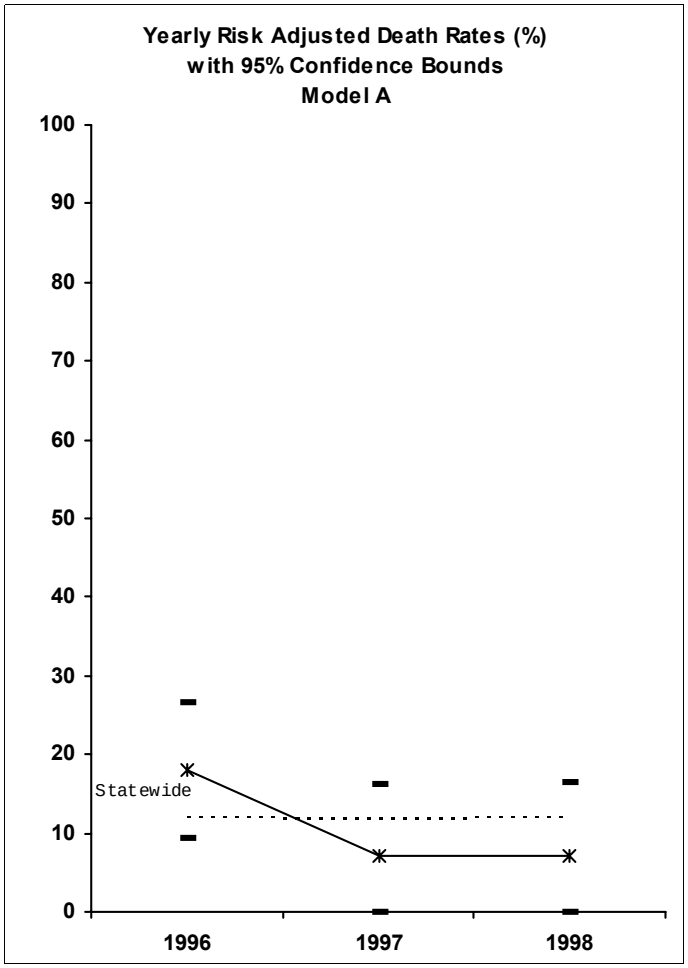


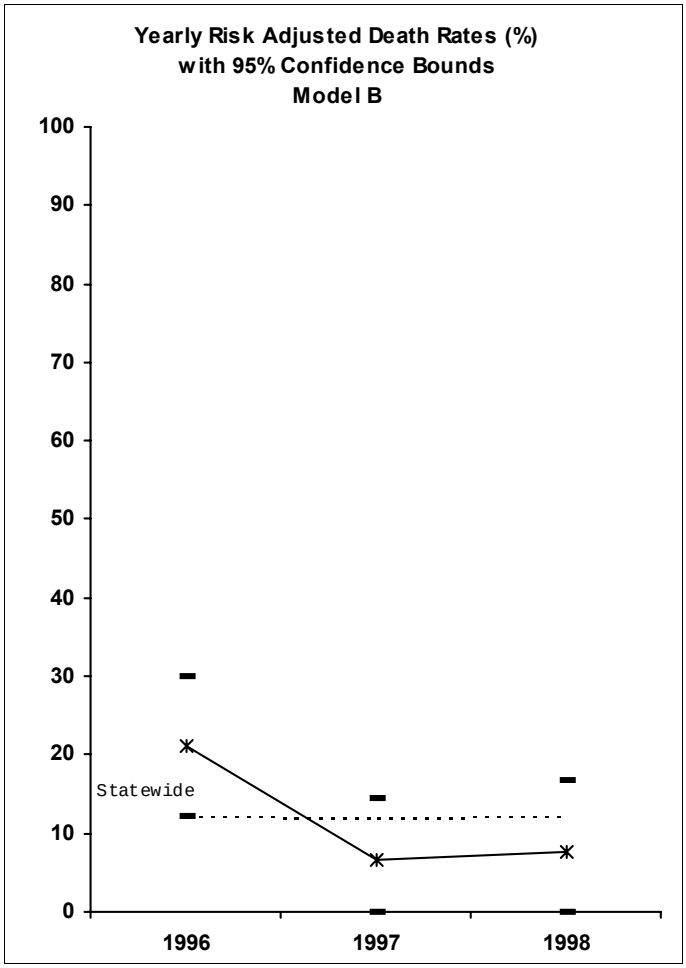
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Kern County: Delano Regional Medical Center

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	120	15	16.2	3.6	12.5	13.5	11.2	6.0	16.4	0.427
	1996	12.17742	40	9	6.1	2.2	22.5	15.2	18.0	9.5	26.6	0.133
	1997	12.02517	35	3	5.1	2.0	8.6	14.5	7.1	0.0	16.3	0.219
	1998	12.06405	45	3	5.1	2.0	6.7	11.4	7.1	0.0	16.5	0.219
Model B	All Years	12.10683	119	15	15.4	3.2	12.6	12.9	11.8	6.8	16.8	0.526
	1996	12.18490	39	9	5.2	1.9	23.1	13.3	21.1	12.1	30.0	0.051
	1997	12.03332	35	3	5.4	1.8	8.6	15.5	6.7	0.0	14.4	0.136
	1998	12.10273	45	3	4.8	1.9	6.7	10.6	7.6	0.0	16.8	0.255



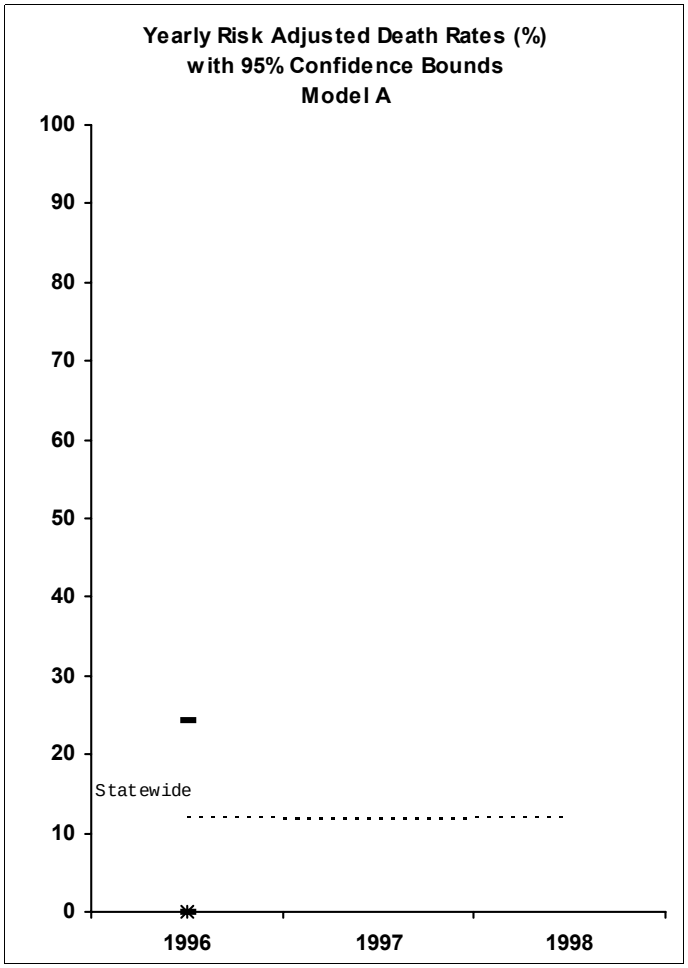


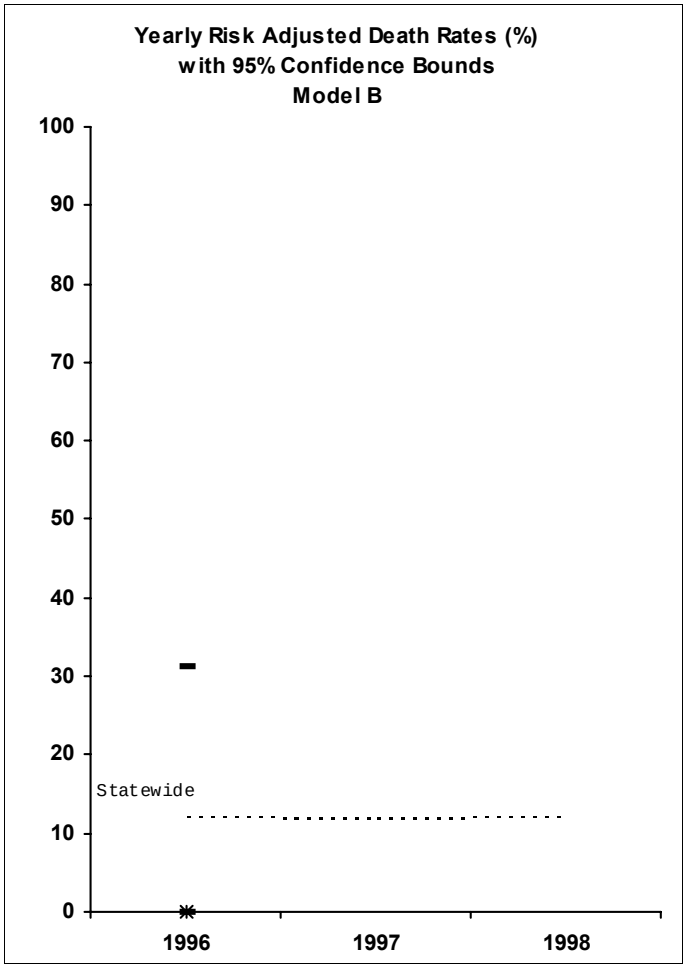
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Kern County: Good Samaritan Hospital - Bakersfield

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	2	0	0.6	0.6	0.0	31.4	0.0	0.0	24.1	0.460
	1996	12.17742	2	0	0.6	0.6	0.0	31.4	0.0	0.0	24.3	0.460
	1997	Excluded										
	1998	Excluded										
Model B	All Years	12.10683	2	0	0.4	0.6	0.0	21.6	0.0	0.0	31.2	0.606
	1996	12.18490	2	0	0.4	0.6	0.0	21.6	0.0	0.0	31.4	0.606
	1997	Excluded										
	1998	Excluded										



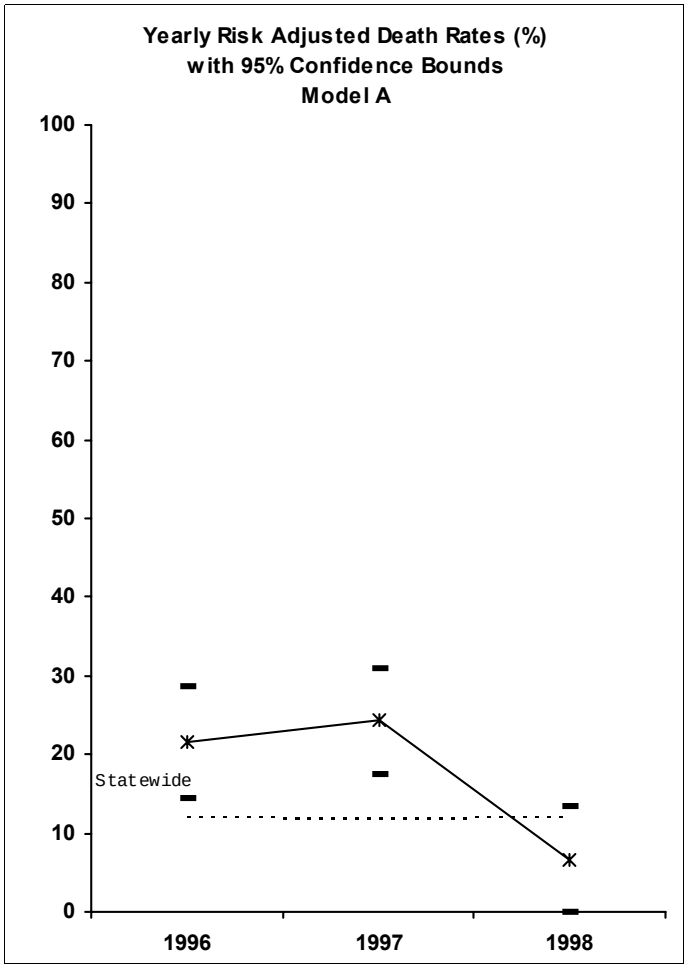


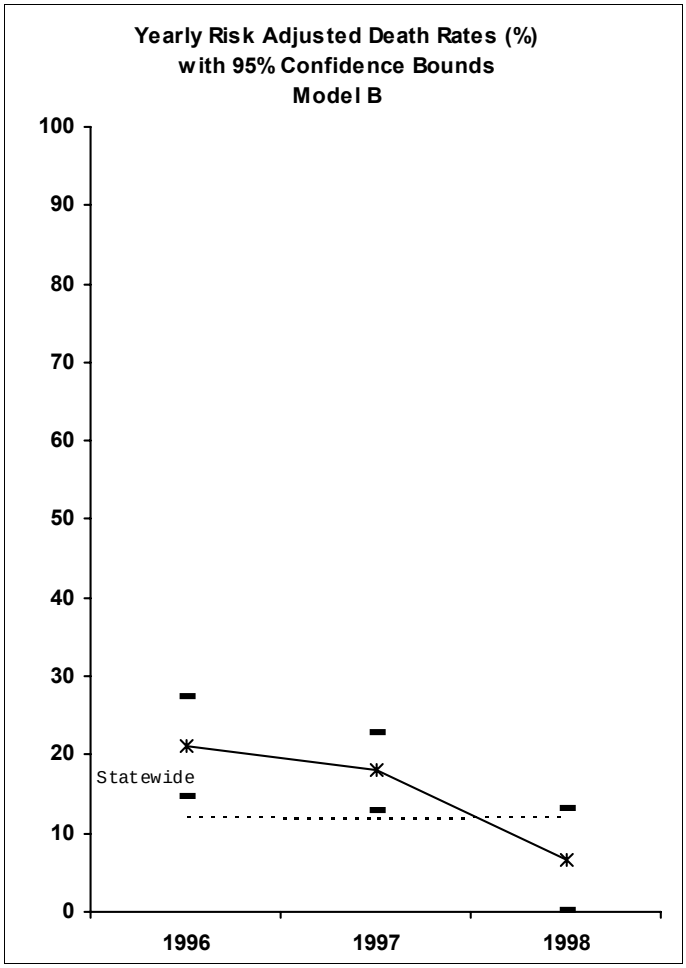
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Kern County: Kern Medical Center

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	246	40	27.7	4.7	16.3	11.3	17.5	13.5	21.4	0.007
	1996	12.17742	97	16	9.0	2.7	16.5	9.3	21.5	14.4	28.7	0.012
	1997	12.02517	80	19	9.4	2.7	23.8	11.8	24.3	17.5	31.0	0.001
	1998	12.06405	69	5	9.2	2.7	7.2	13.4	6.5	0.0	13.4	0.074
Model B	All Years	12.10683	245	40	31.0	4.4	16.3	12.6	15.6	12.3	19.0	0.029
	1996	12.18490	97	16	9.2	2.5	16.5	9.5	21.1	14.7	27.6	0.008
	1997	12.03332	79	19	12.7	2.5	24.1	16.1	17.9	13.0	22.9	0.017
	1998	12.10273	69	5	9.0	2.5	7.2	13.1	6.7	0.1	13.3	0.073



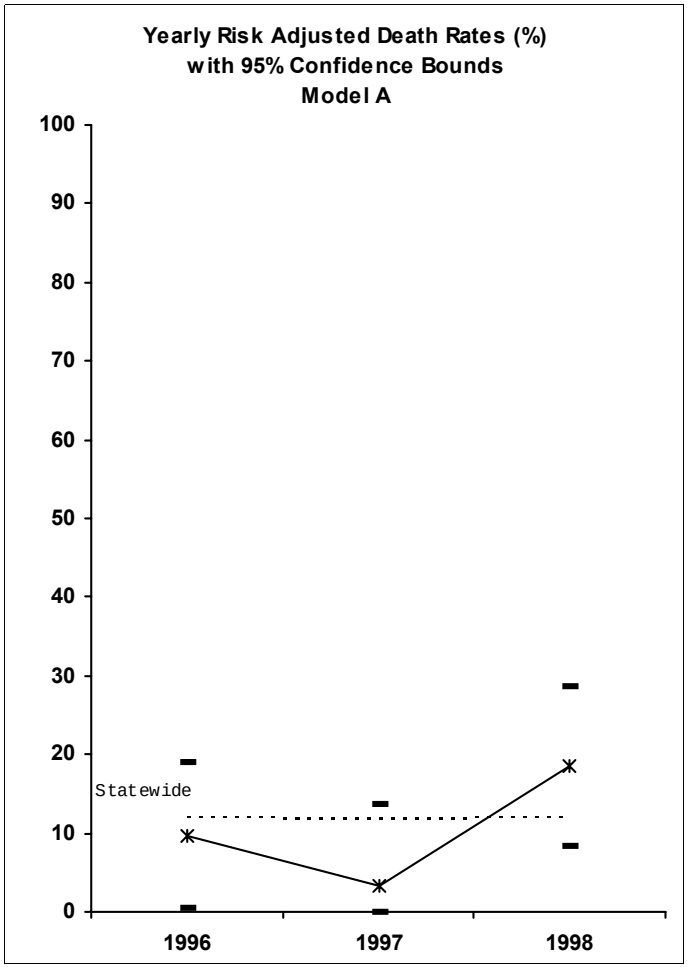


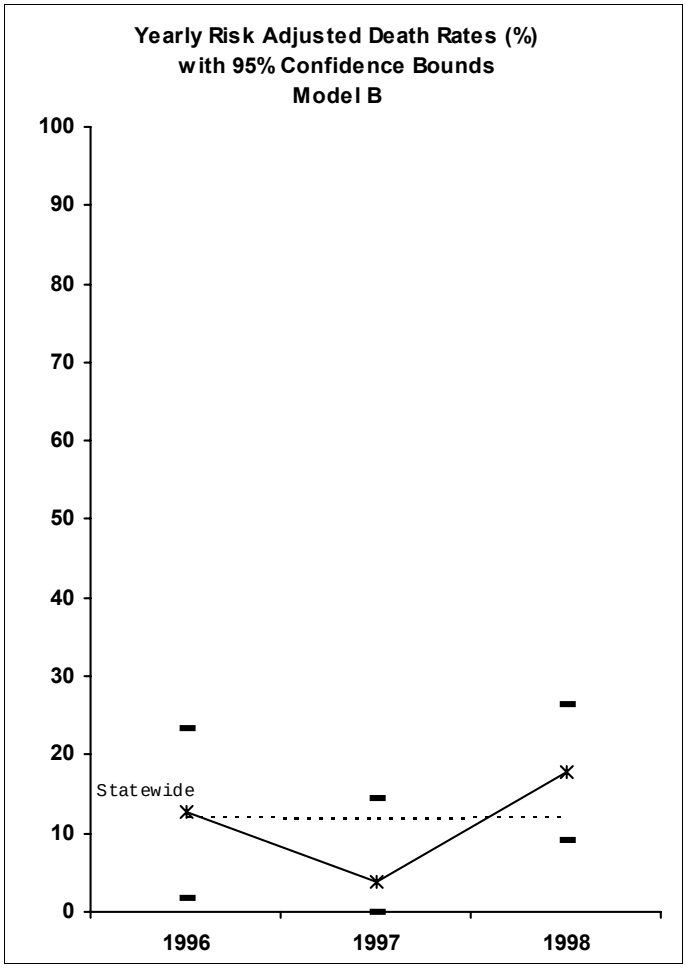
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Kern County: Kern Valley Medical Center

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	76	11	12.5	3.0	14.5	16.4	10.7	4.9	16.4	0.384
	1996	12.17742	28	4	5.0	2.0	14.3	17.9	9.7	0.4	19.0	0.413
	1997	12.02517	19	1	3.6	1.6	5.3	18.7	3.4	0.0	13.8	0.084
	1998	12.06405	29	6	3.9	1.7	20.7	13.4	18.6	8.4	28.7	0.167
Model B	All Years	12.10683	76	11	11.1	2.7	14.5	14.6	12.0	6.2	17.8	0.574
	1996	12.18490	28	4	3.9	1.8	14.3	13.8	12.6	1.8	23.5	0.559
	1997	12.03332	19	1	3.1	1.4	5.3	16.6	3.8	0.0	14.5	0.117
	1998	12.10273	29	6	4.1	1.5	20.7	14.0	17.9	9.2	26.5	0.162



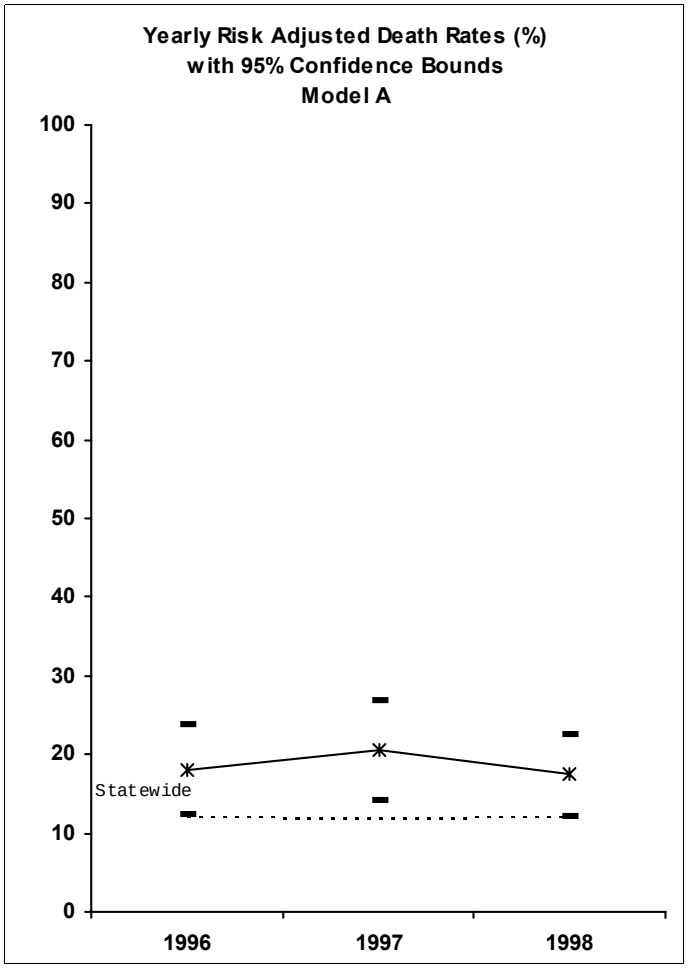


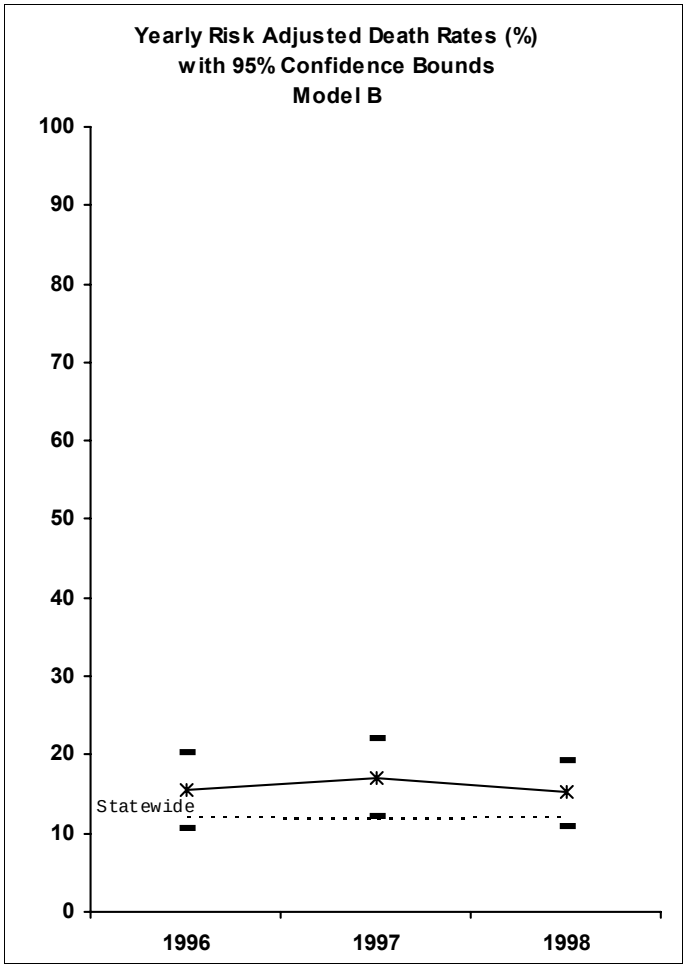
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Kern County: Mercy Hospital - Bakersfield

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	329	62	40.5	5.6	18.8	12.3	18.5	15.2	21.8	0.000
	1996	12.17742	113	20	13.5	3.3	17.7	11.9	18.1	12.3	23.9	0.036
	1997	12.02517	101	19	11.2	3.0	18.8	11.0	20.5	14.2	26.8	0.010
	1998	12.06405	115	23	15.9	3.5	20.0	13.9	17.4	12.3	22.5	0.033
Model B	All Years	12.10683	327	62	47.3	5.4	19.0	14.5	15.9	13.2	18.6	0.005
	1996	12.18490	112	20	15.6	3.1	17.9	14.0	15.6	10.8	20.4	0.111
	1997	12.03332	101	19	13.3	2.8	18.8	13.2	17.2	12.2	22.1	0.035
	1998	12.10273	114	23	18.3	3.3	20.2	16.1	15.2	10.9	19.5	0.105



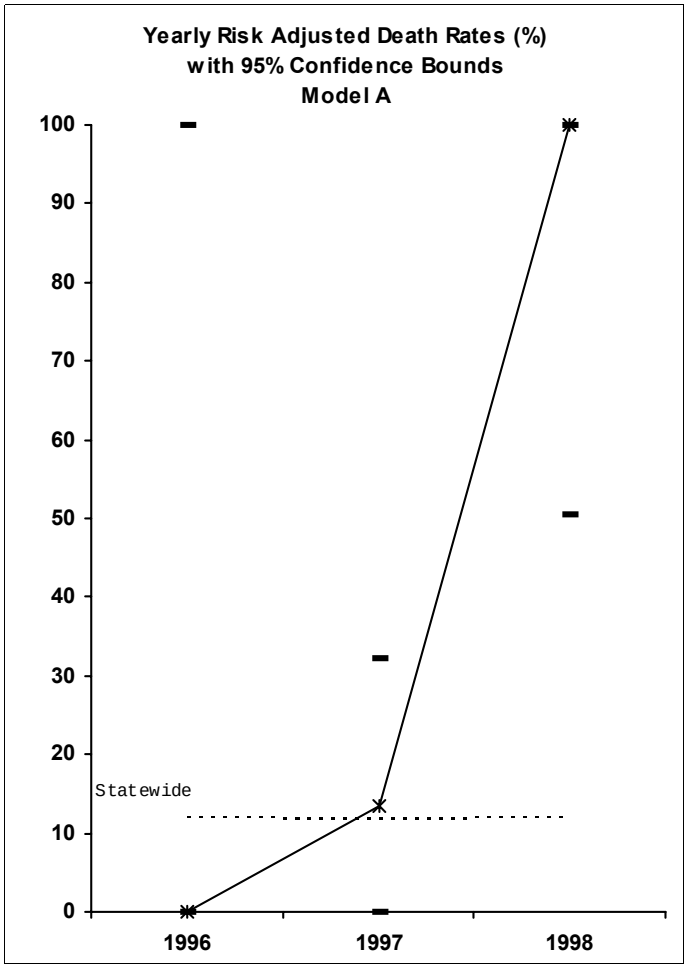


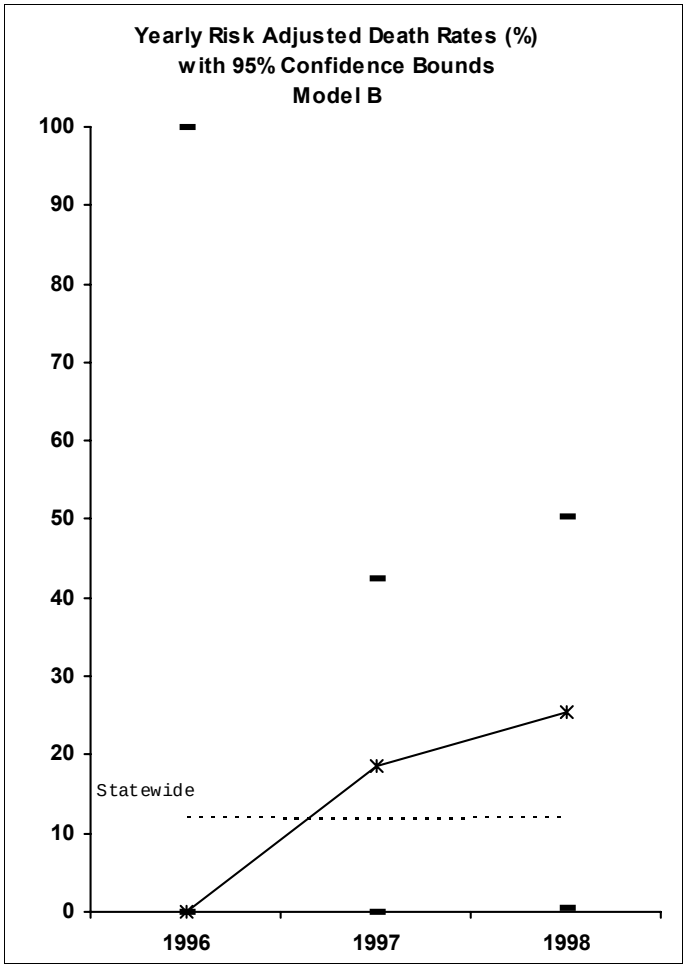
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Kern County: Mercy Westside Hospital

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	4	2	1.0	0.8	50.0	25.4	23.8	5.6	42.0	0.258
	1996	12.17742	1	0	0.0	0.2	0.0	2.8	0.0	0.0	100.0	0.972
	1997	12.02517	2	1	0.9	0.7	50.0	44.4	13.5	0.0	32.1	0.693
	1998	12.06405	1	1	0.1	0.3	100.0	9.9	100.0	50.6	100.0	0.099
Model B	All Years	12.10683	4	2	1.1	0.8	50.0	28.5	21.3	3.8	38.7	0.321
	1996	12.18490	1	0	0.0	0.1	0.0	1.4	0.0	0.0	100.0	0.986
	1997	12.03332	2	1	0.7	0.7	50.0	32.6	18.5	0.0	42.4	0.546
	1998	12.10273	1	1	0.5	0.5	100.0	47.4	25.5	0.5	50.5	0.474



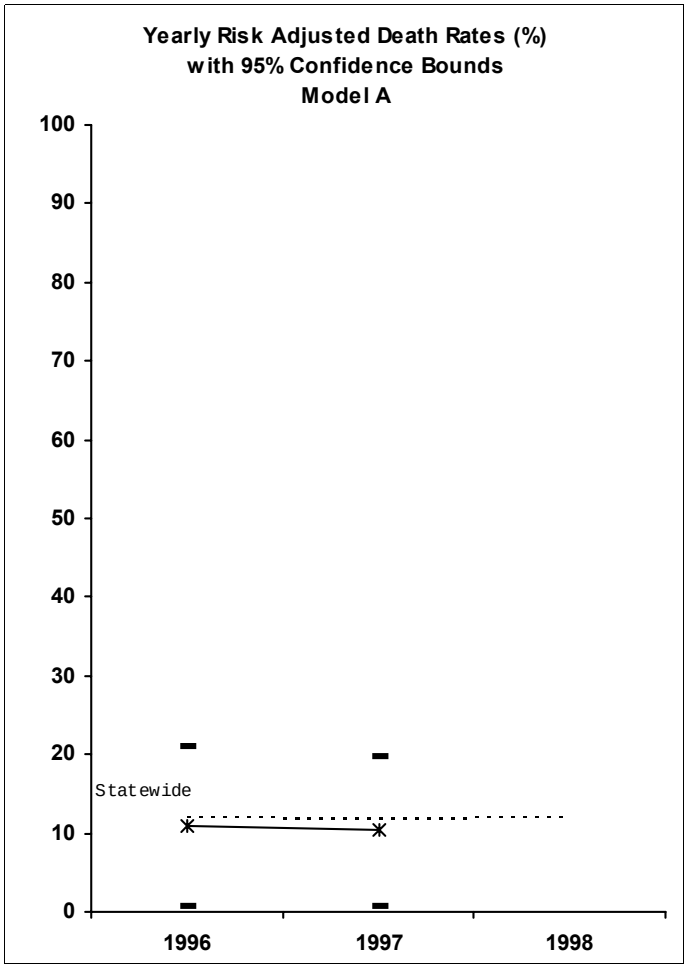


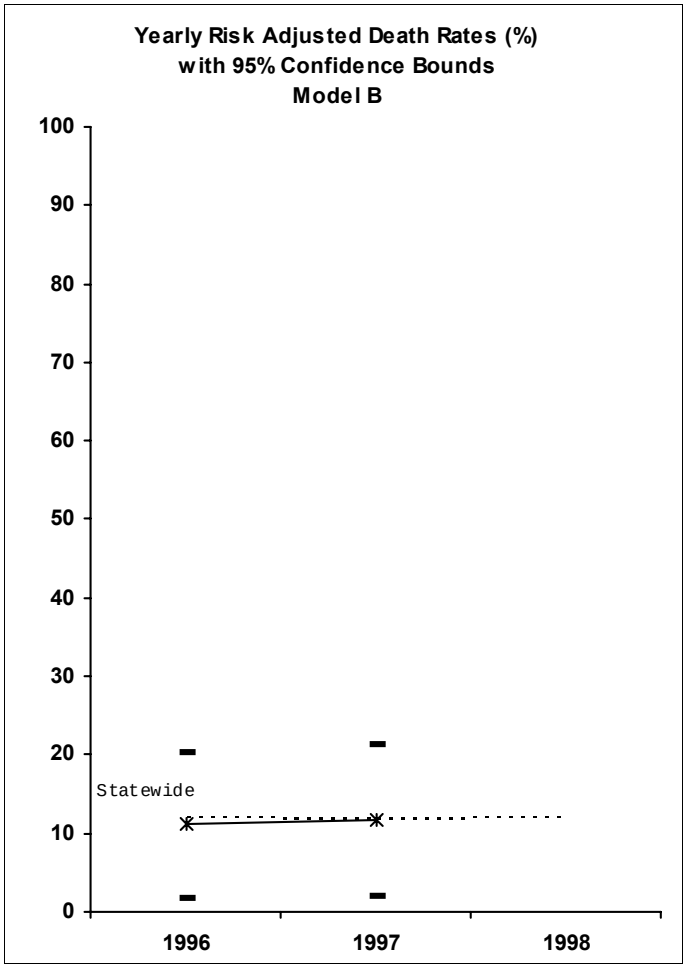
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Kern County: Ridgecrest Regional Hospital

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	84	8	9.1	2.7	9.5	10.8	10.6	3.6	17.6	0.425
	1996	12.17742	42	4	4.4	1.9	9.5	10.6	11.0	0.8	21.1	0.538
	1997	12.02517	42	4	4.7	1.9	9.5	11.1	10.3	0.7	19.9	0.485
	1998	Excluded										
Model B	All Years	12.10683	84	8	8.5	2.4	9.5	10.1	11.4	4.7	18.1	0.515
	1996	12.18490	42	4	4.4	1.7	9.5	10.5	11.1	1.7	20.5	0.545
	1997	12.03332	42	4	4.1	1.7	9.5	9.8	11.7	2.1	21.4	0.616
	1998	Excluded										



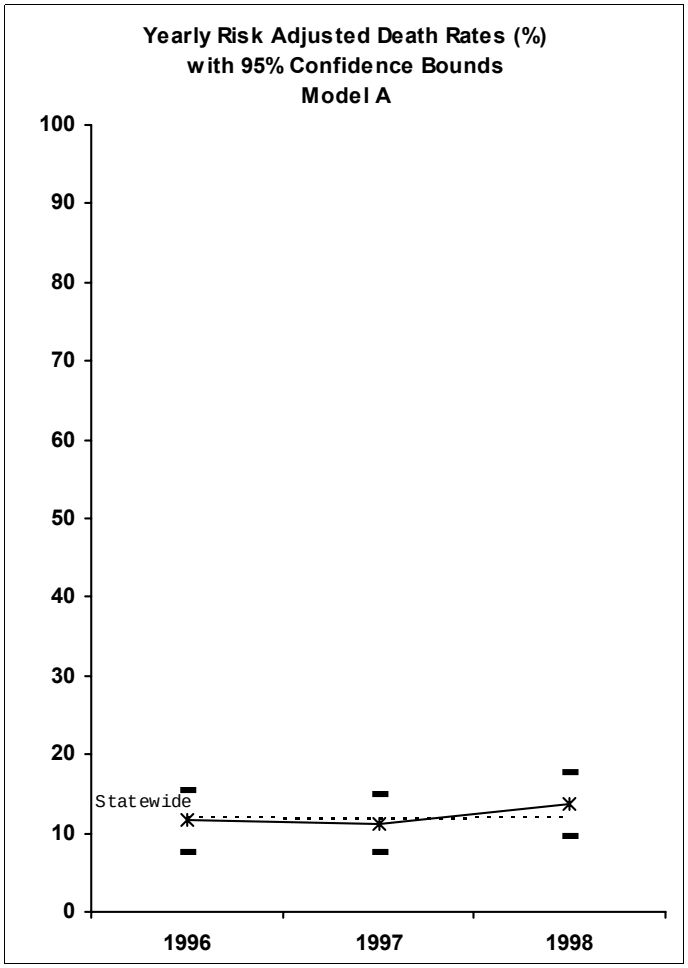


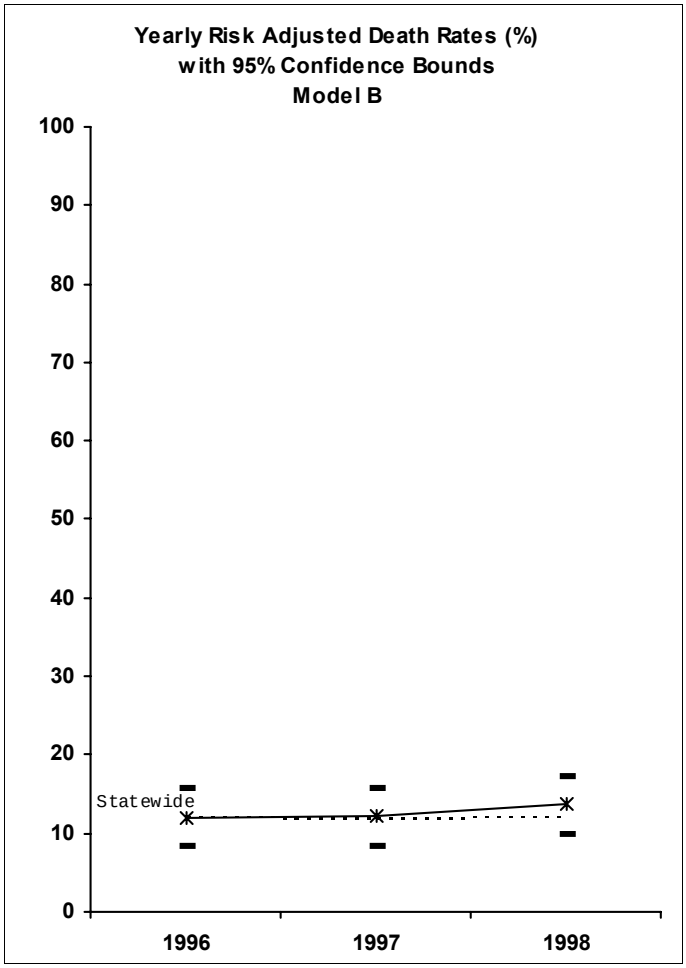
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Kern County: San Joaquin Community Hospital

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	724	87	86.7	8.2	12.0	12.0	12.1	9.9	14.4	0.504
	1996	12.17742	240	27	28.3	4.7	11.3	11.8	11.6	7.7	15.6	0.438
	1997	12.02517	267	29	30.9	5.0	10.9	11.6	11.3	7.5	15.0	0.393
	1998	12.06405	217	31	27.4	4.6	14.3	12.6	13.6	9.7	17.6	0.248
Model B	All Years	12.10683	722	87	83.7	7.5	12.0	11.6	12.6	10.5	14.7	0.350
	1996	12.18490	239	27	27.3	4.3	11.3	11.4	12.1	8.3	15.8	0.528
	1997	12.03332	266	29	28.9	4.5	10.9	10.8	12.1	8.4	15.8	0.523
	1998	12.10273	217	31	27.5	4.2	14.3	12.7	13.6	10.0	17.3	0.240



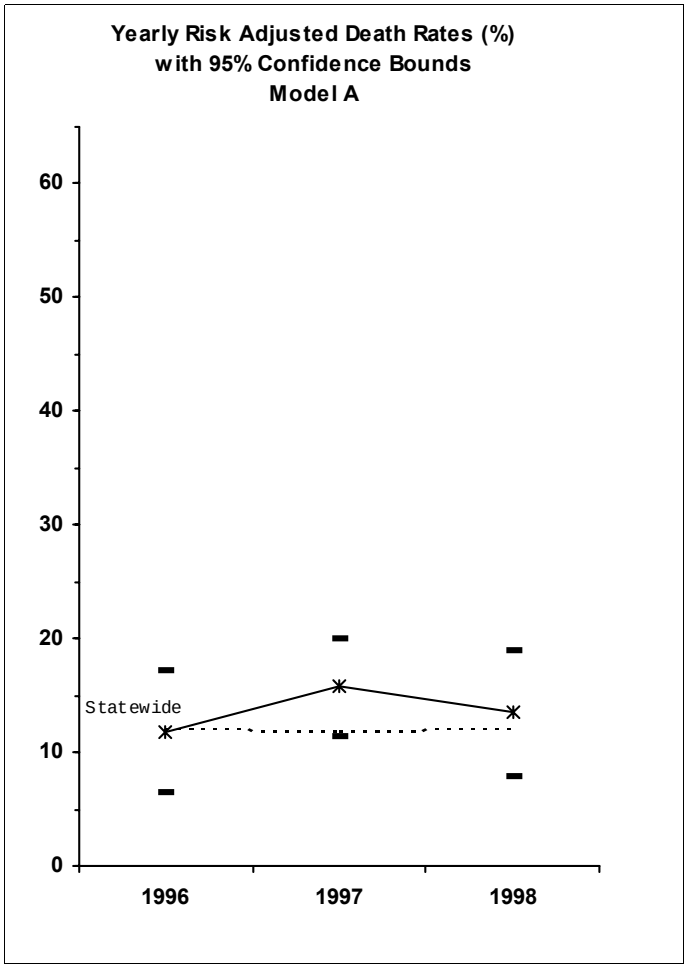


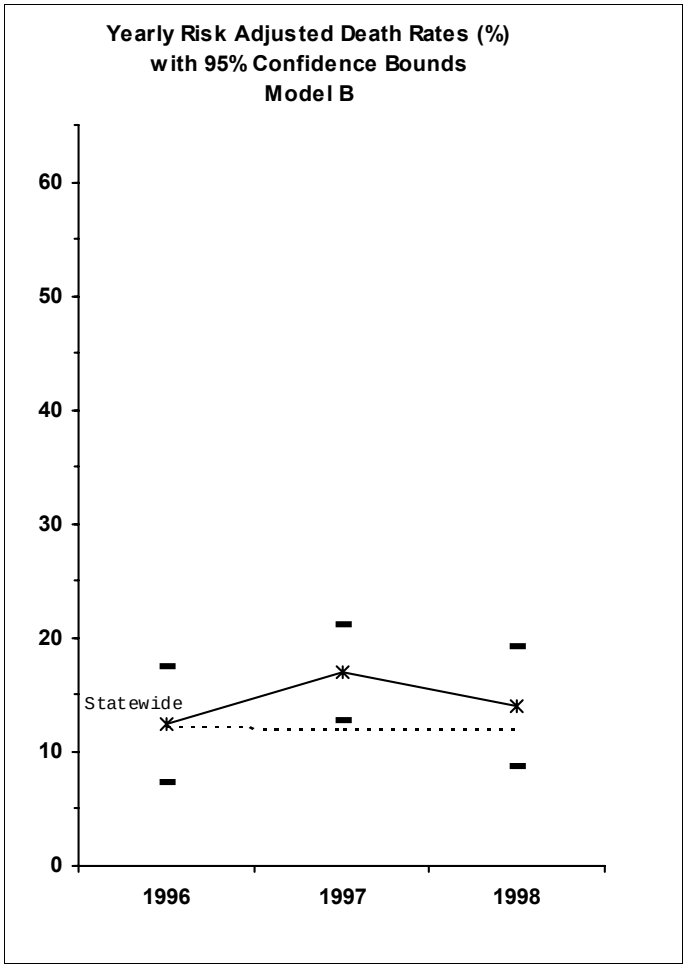
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Kings County Summary

		Statewide Death Rate (%)	Number of Hospitals Included	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds	
											Lower	Upper
Model A	All Years	12.1	2	422	61	52.7	6.4	14.5	12.5	14.0	11.1	16.8
	1996	12.2	2	127	15	15.4	3.5	11.8	12.1	11.8	6.5	17.2
	1997	12.0	2	179	30	22.9	4.2	16.8	12.8	15.7	11.5	20.0
	1998	12.1	2	116	16	14.4	3.3	13.8	12.4	13.4	8.0	18.9
Model B	All Years	12.1	2	421	61	49.6	5.8	14.5	11.8	14.9	12.1	17.7
	1996	12.2	2	127	15	14.7	3.1	11.8	11.5	12.5	7.3	17.6
	1997	12.0	2	179	30	21.2	3.8	16.8	11.8	17.0	12.8	21.3
	1998	12.1	2	115	16	13.8	3.1	13.9	12.0	14.0	8.7	19.3

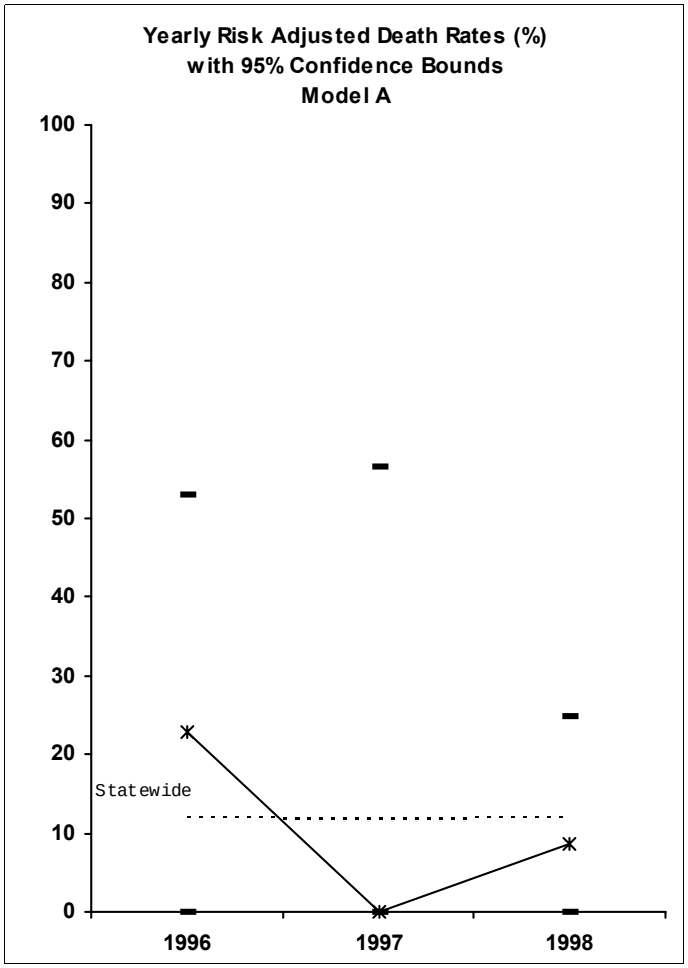


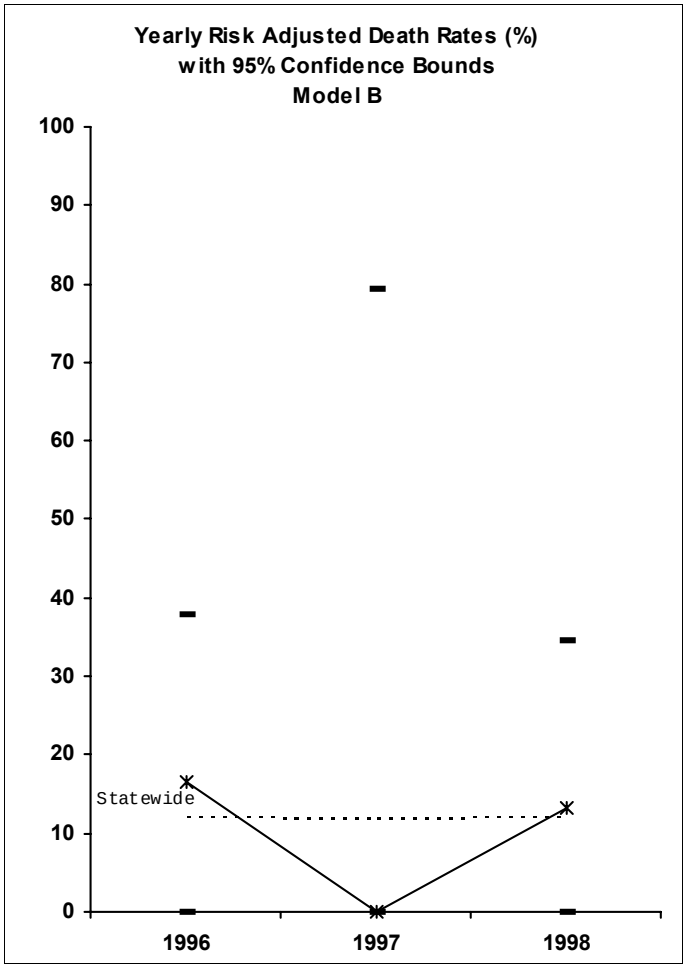


Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Kings County: Corcoran District Hospital

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	17	2	2.1	1.2	11.8	12.3	11.6	0.0	25.6	0.656
	1996	12.17742	7	1	0.5	0.7	14.3	7.6	22.8	0.0	53.1	0.438
	1997	12.02517	3	0	0.2	0.4	0.0	5.4	0.0	0.0	56.6	0.845
	1998	12.06405	7	1	1.4	1.0	14.3	19.9	8.7	0.0	24.9	0.572
Model B	All Years	12.10683	17	2	1.7	1.1	11.8	10.2	14.0	0.0	28.9	0.556
	1996	12.18490	7	1	0.7	0.7	14.3	10.5	16.6	0.0	37.8	0.625
	1997	12.03332	3	0	0.1	0.3	0.0	2.9	0.0	0.0	79.3	0.917
	1998	12.10273	7	1	0.9	0.8	14.3	13.0	13.3	0.0	34.7	0.654



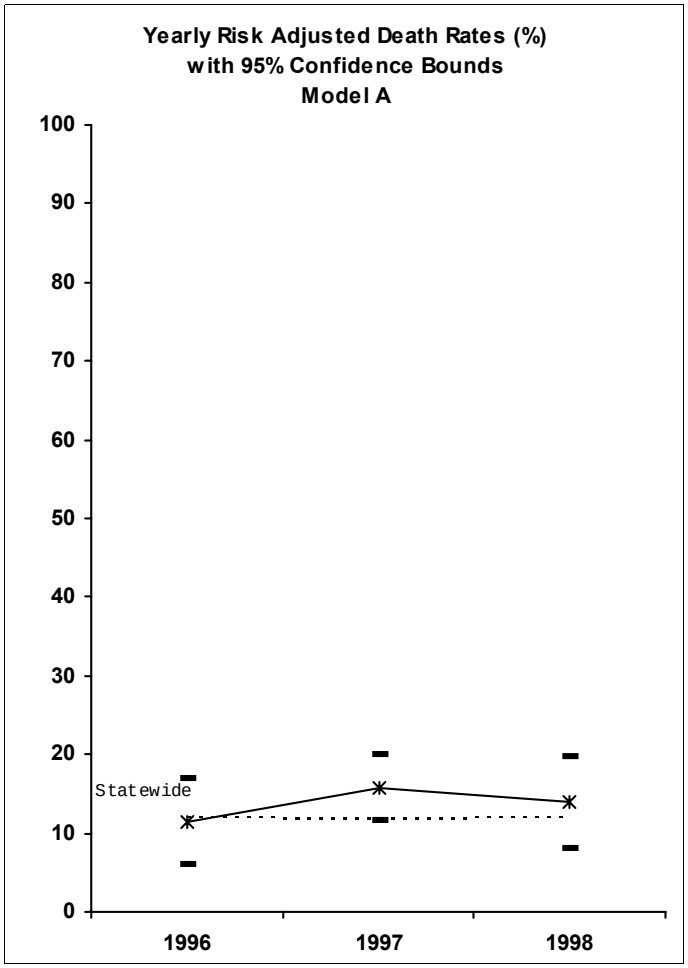


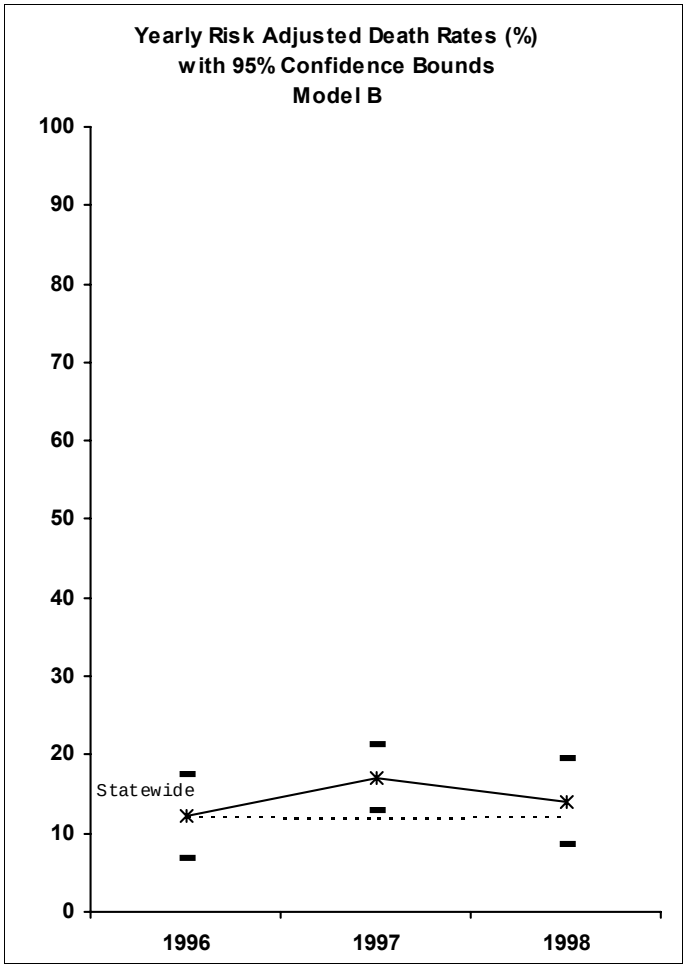
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Kings County: Hanford Community Medical Center

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	405	59	50.6	6.2	14.6	12.5	14.1	11.2	17.0	0.104
	1996	12.17742	120	14	14.9	3.4	11.7	12.4	11.4	6.0	16.9	0.465
	1997	12.02517	176	30	22.7	4.1	17.0	12.9	15.9	11.6	20.1	0.055
	1998	12.06405	109	15	13.0	3.2	13.8	11.9	14.0	8.1	19.8	0.307
Model B	All Years	12.10683	404	59	47.9	5.7	14.6	11.9	14.9	12.1	17.7	0.034
	1996	12.18490	120	14	13.9	3.1	11.7	11.6	12.2	7.0	17.5	0.544
	1997	12.03332	176	30	21.1	3.8	17.0	12.0	17.1	12.9	21.3	0.016
	1998	12.10273	108	15	12.9	3.0	13.9	11.9	14.1	8.6	19.6	0.286



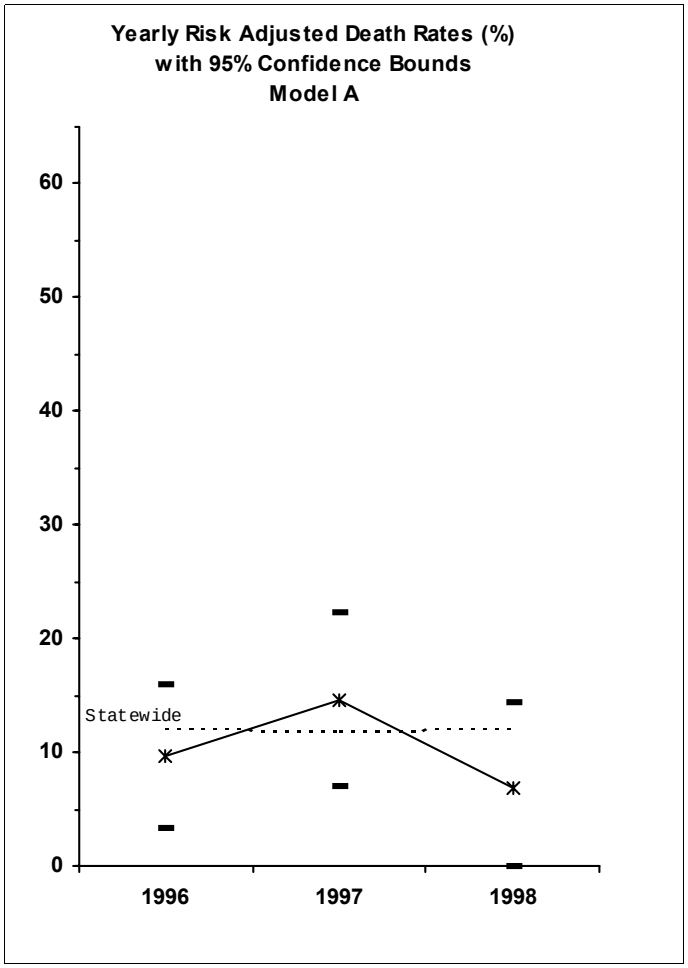


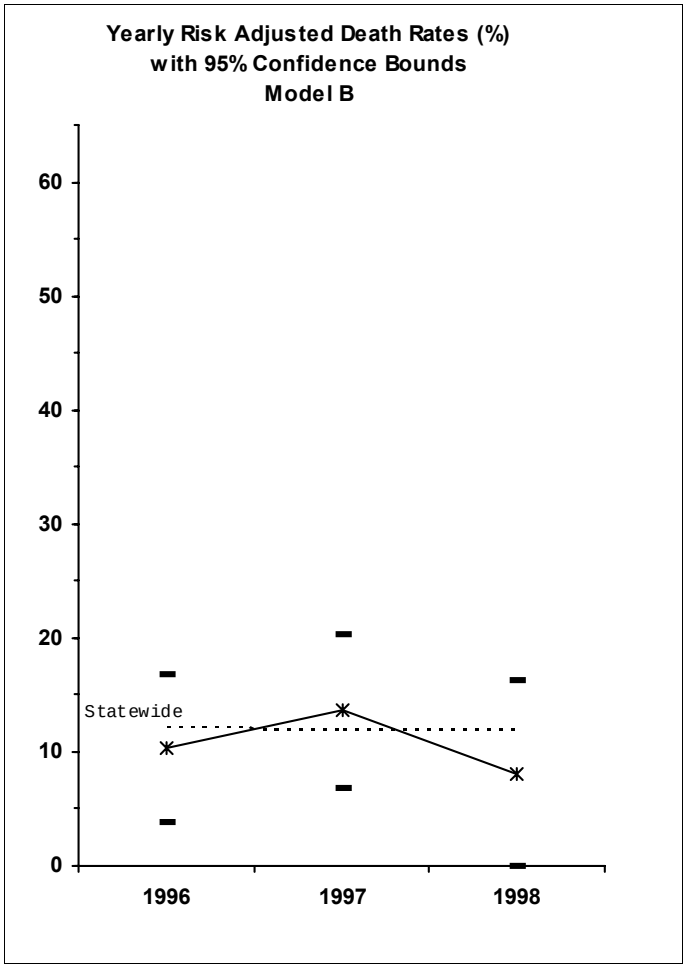
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Lake County Summary

		Statewide Death Rate (%)	Number of Hospitals Included	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds	
											Lower	Upper
Model A	All Years	12.1	2	179	21	24.6	4.2	11.7	13.7	10.3	6.2	14.4
	1996	12.2	2	74	8	10.1	2.7	10.8	13.7	9.6	3.3	16.0
	1997	12.0	2	56	9	7.4	2.4	16.1	13.2	14.6	7.1	22.2
	1998	12.1	2	49	4	7.1	2.3	8.2	14.5	6.8	0.0	14.3
Model B	All Years	12.1	2	178	21	23.4	4.0	11.8	13.2	10.9	6.8	14.9
	1996	12.2	2	73	8	9.4	2.5	11.0	12.9	10.3	3.9	16.8
	1997	12.0	2	56	9	8.0	2.3	16.1	14.2	13.6	6.8	20.4
	1998	12.1	2	49	4	6.0	2.1	8.2	12.3	8.0	0.0	16.3

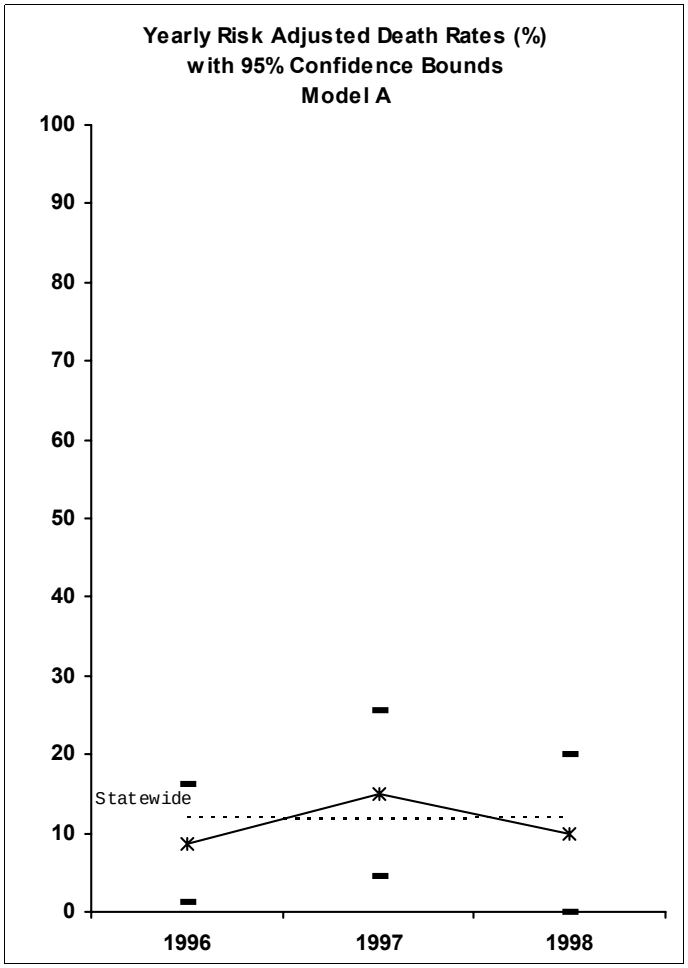


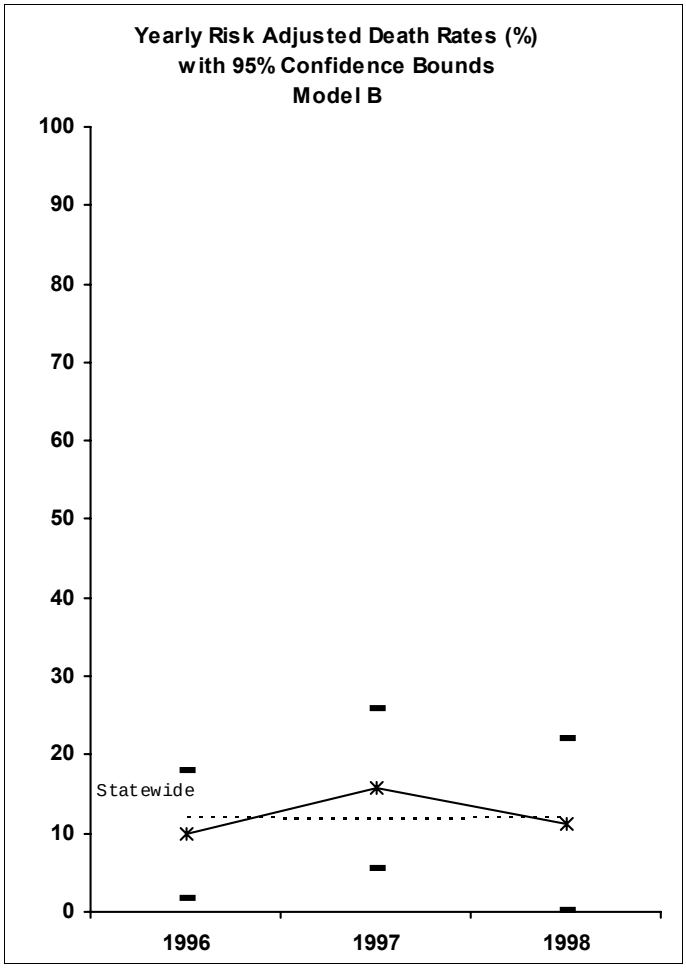


Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Lake County: Adventist Health - Redbud Community Hospital

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	87	13	14.6	3.2	14.9	16.8	10.8	5.6	16.0	0.375
	1996	12.17742	42	5	7.0	2.2	11.9	16.7	8.7	1.2	16.2	0.255
	1997	12.02517	28	5	4.0	1.8	17.9	14.2	15.1	4.7	25.5	0.365
	1998	12.06405	17	3	3.6	1.5	17.6	21.3	10.0	0.0	20.0	0.487
Model B	All Years	12.10683	87	13	13.2	3.1	14.9	15.1	12.0	6.5	17.5	0.554
	1996	12.18490	42	5	6.1	2.1	11.9	14.5	10.0	1.8	18.2	0.403
	1997	12.03332	28	5	3.8	1.7	17.9	13.7	15.7	5.5	25.9	0.328
	1998	12.10273	17	3	3.2	1.5	17.6	19.0	11.2	0.3	22.1	0.588



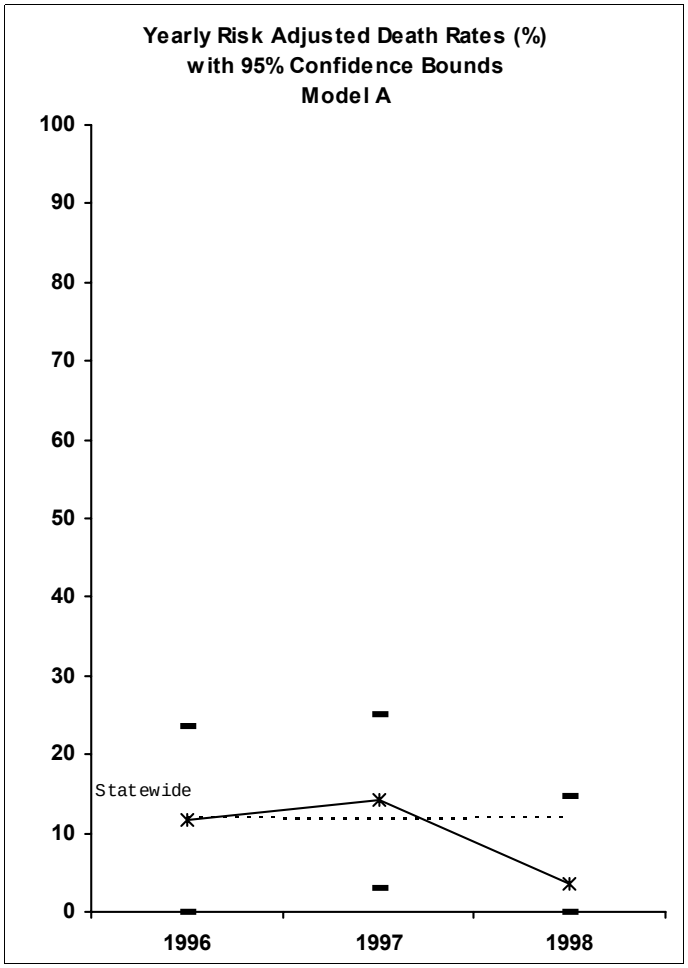


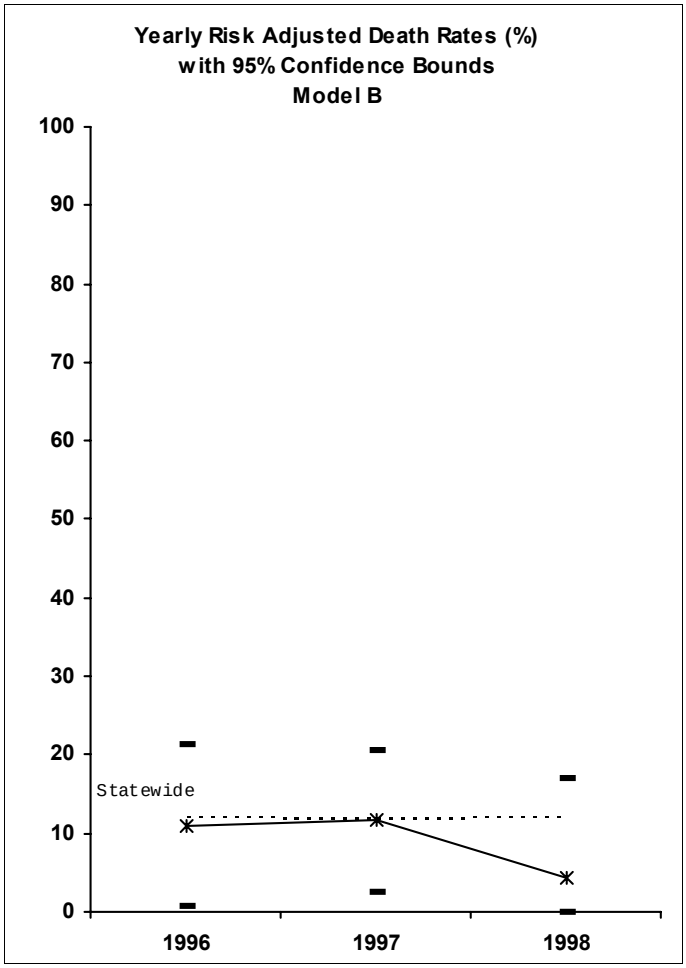
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Lake County: Sutter Lakeside Hospital

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	92	8	10.0	2.8	8.7	10.8	9.7	3.1	16.3	0.306
	1996	12.17742	32	3	3.1	1.6	9.4	9.7	11.8	0.0	23.7	0.625
	1997	12.02517	28	4	3.4	1.6	14.3	12.2	14.1	3.1	25.2	0.452
	1998	12.06405	32	1	3.5	1.7	3.1	10.8	3.5	0.0	14.8	0.108
Model B	All Years	12.10683	91	8	10.3	2.6	8.8	11.3	9.4	3.4	15.5	0.255
	1996	12.18490	31	3	3.3	1.4	9.7	10.7	11.0	0.7	21.3	0.568
	1997	12.03332	28	4	4.1	1.6	14.3	14.7	11.7	2.6	20.7	0.607
	1998	12.10273	32	1	2.8	1.5	3.1	8.8	4.3	0.0	17.0	0.197



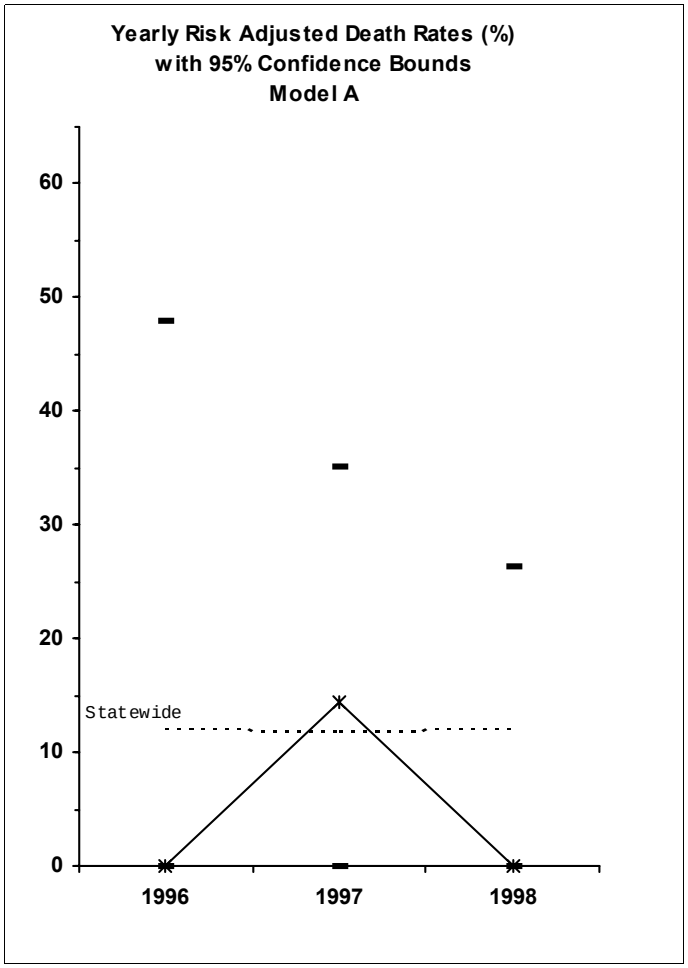


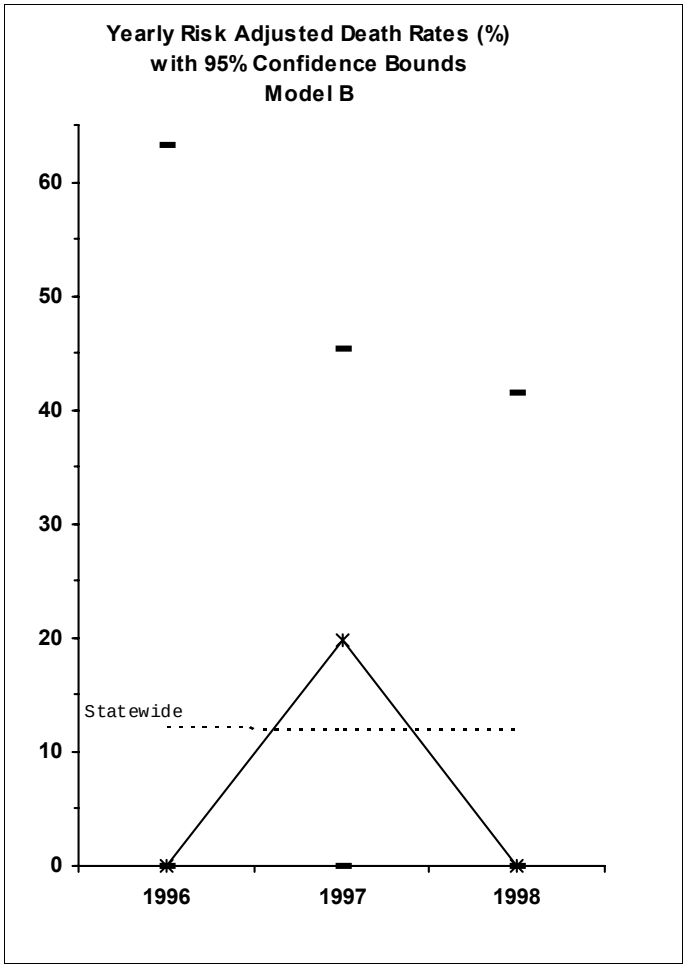
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Lassen County Summary

		Statewide Death Rate (%)	Number of Hospitals Included	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds	
											Lower	Upper
Model A	All Years	12.1	1	7	1	1.5	1.0	14.3	21.5	8.1	0.0	23.7
	1996	12.2	1	2	0	0.2	0.4	0.0	11.0	0.0	0.0	47.9
	1997	12.0	1	4	1	0.8	0.7	25.0	20.9	14.4	0.0	35.1
	1998	12.1	1	1	0	0.4	0.5	0.0	44.5	0.0	0.0	26.4
Model B	All Years	12.1	1	7	1	1.0	0.9	14.3	14.1	12.3	0.0	33.0
	1996	12.2	1	2	0	0.1	0.4	0.0	6.6	0.0	0.0	63.3
	1997	12.0	1	4	1	0.6	0.7	25.0	15.2	19.8	0.0	45.4
	1998	12.1	1	1	0	0.2	0.4	0.0	24.7	0.0	0.0	41.5

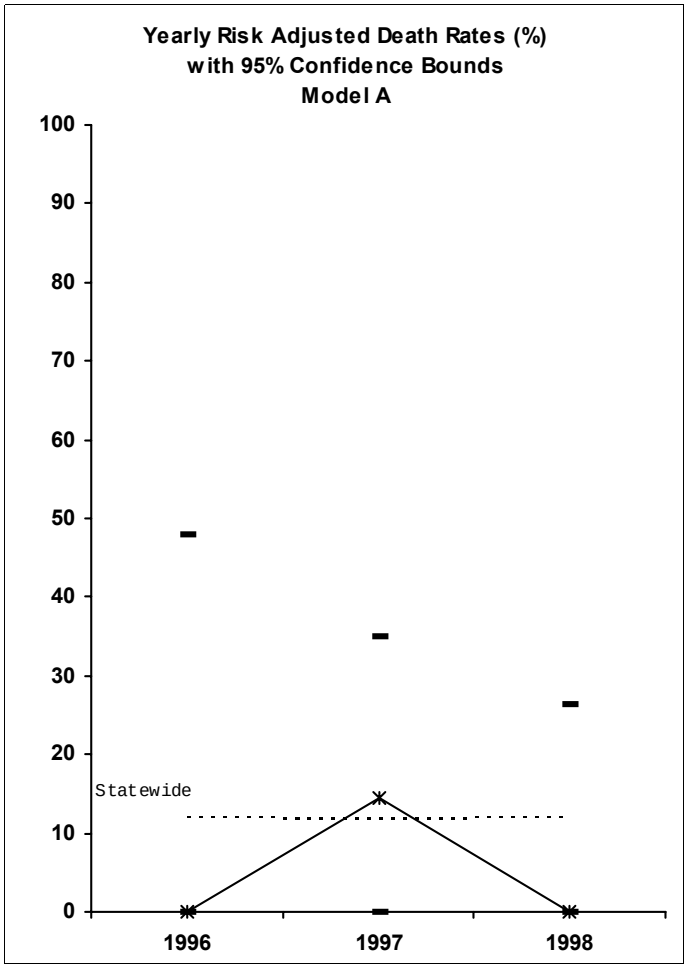


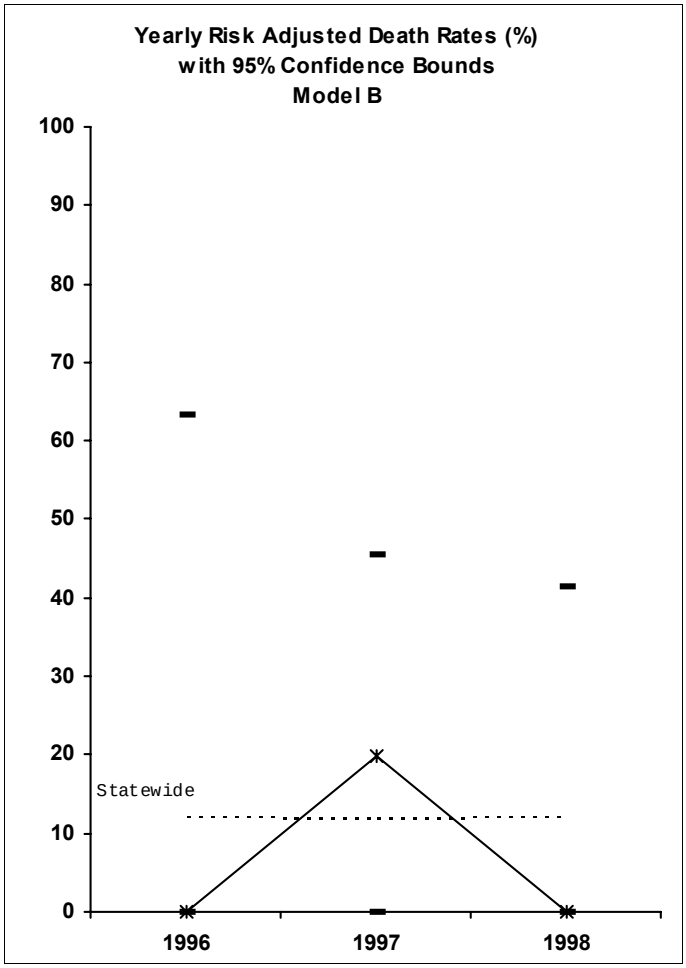


Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Lassen County: Lassen Community Hospital

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	7	1	1.5	1.0	14.3	21.5	8.1	0.0	23.7	0.526
	1996	12.17742	2	0	0.2	0.4	0.0	11.0	0.0	0.0	47.9	0.792
	1997	12.02517	4	1	0.8	0.7	25.0	20.9	14.4	0.0	35.1	0.651
	1998	12.06405	1	0	0.4	0.5	0.0	44.5	0.0	0.0	26.4	0.555
Model B	All Years	12.10683	7	1	1.0	0.9	14.3	14.1	12.3	0.0	33.0	0.681
	1996	12.18490	2	0	0.1	0.4	0.0	6.6	0.0	0.0	63.3	0.872
	1997	12.03332	4	1	0.6	0.7	25.0	15.2	19.8	0.0	45.4	0.515
	1998	12.10273	1	0	0.2	0.4	0.0	24.7	0.0	0.0	41.5	0.753



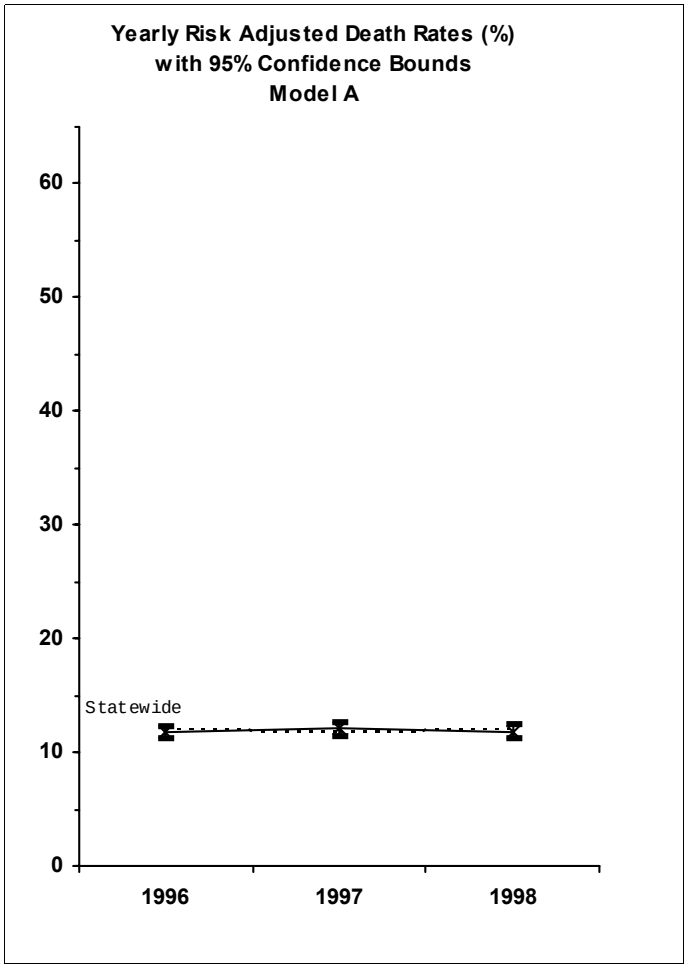


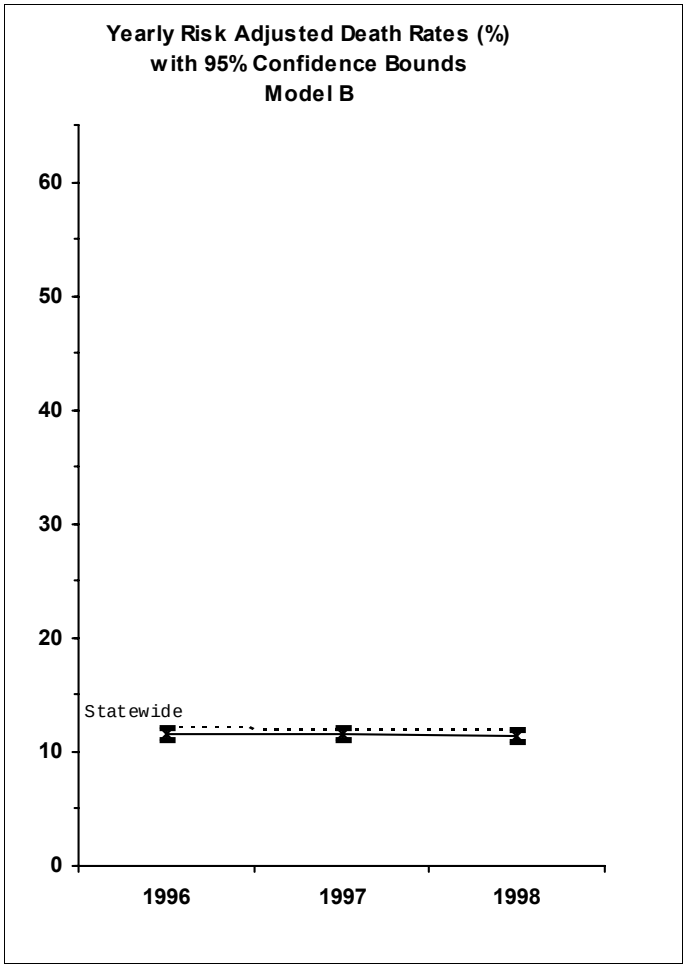
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Los Angeles County Summary

		Statewide Death Rate (%)	Number of Hospitals Included	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds	
											Lower	Upper
Model A	All Years	12.1	109	32,318	3,882	3,945.9	55.4	12.0	12.2	11.9	11.6	12.2
	1996	12.2	109	11,016	1,308	1,348.6	32.4	11.9	12.2	11.8	11.2	12.4
	1997	12.0	109	10,934	1,330	1,327.8	32.1	12.2	12.1	12.0	11.5	12.6
	1998	12.1	109	10,368	1,244	1,269.5	31.4	12.0	12.2	11.8	11.2	12.4
Model B	All Years	12.1	109	31,929	3,836	4,040.6	51.1	12.0	12.7	11.5	11.2	11.8
	1996	12.2	109	10,854	1,292	1,367.0	29.8	11.9	12.6	11.5	11.0	12.0
	1997	12.0	109	10,854	1,318	1,368.3	29.7	12.1	12.6	11.6	11.1	12.1
	1998	12.1	109	10,221	1,226	1,305.3	29.0	12.0	12.8	11.4	10.8	11.9

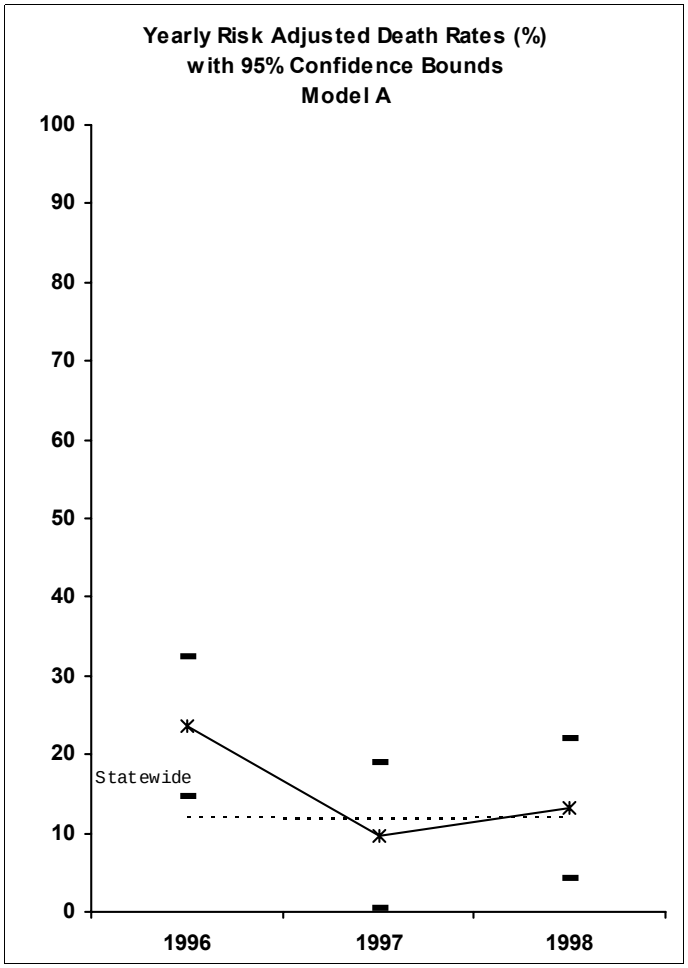


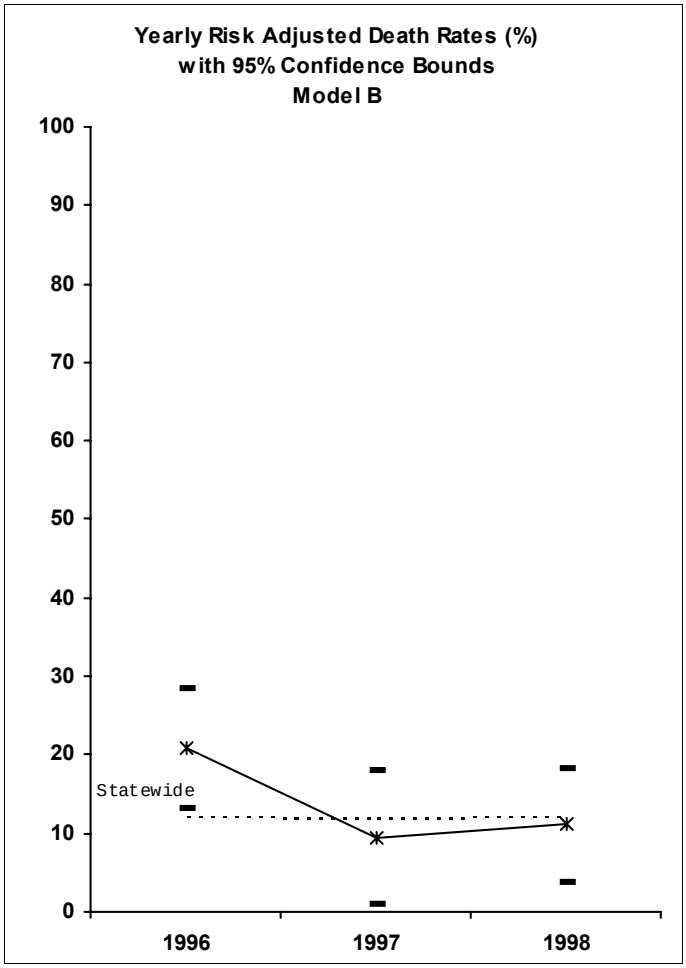


Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Los Angeles County: Alhambra Hospital Medical Center

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	111	21	16.1	3.5	18.9	14.5	15.7	10.6	20.9	0.109
	1996	12.17742	47	11	5.7	2.1	23.4	12.1	23.6	14.7	32.4	0.016
	1997	12.02517	29	4	4.9	1.9	13.8	17.1	9.7	0.5	19.0	0.427
	1998	12.06405	35	6	5.5	2.1	17.1	15.7	13.2	4.4	22.0	0.479
Model B	All Years	12.10683	111	21	18.1	3.4	18.9	16.3	14.1	9.6	18.6	0.233
	1996	12.18490	47	11	6.5	2.1	23.4	13.7	20.8	13.1	28.4	0.030
	1997	12.03332	29	4	5.0	1.8	13.8	17.4	9.5	1.0	18.1	0.397
	1998	12.10273	35	6	6.6	2.0	17.1	18.7	11.1	3.8	18.4	0.503



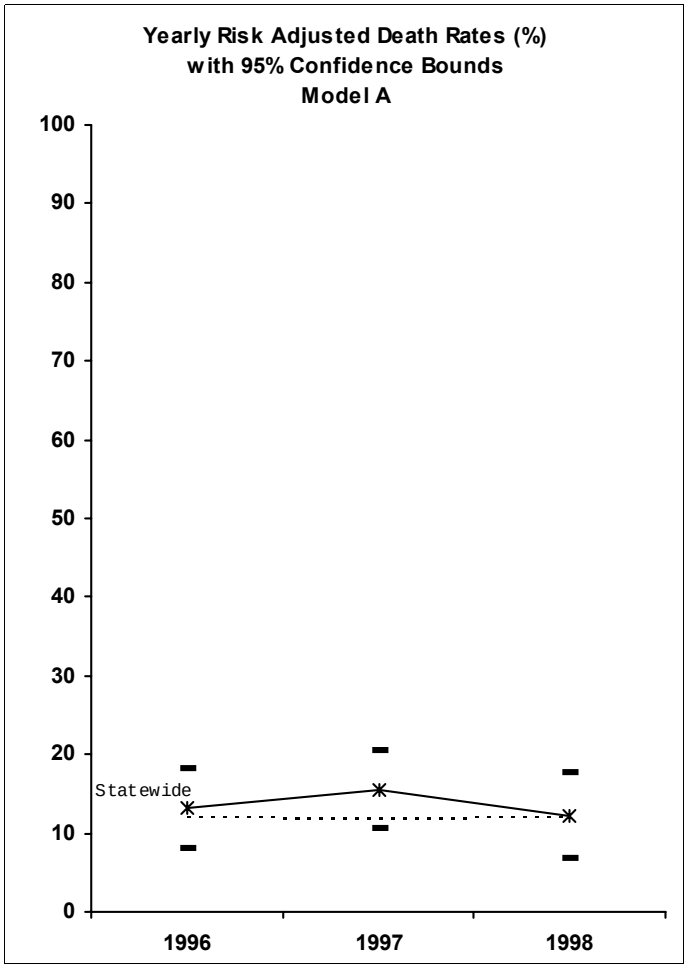


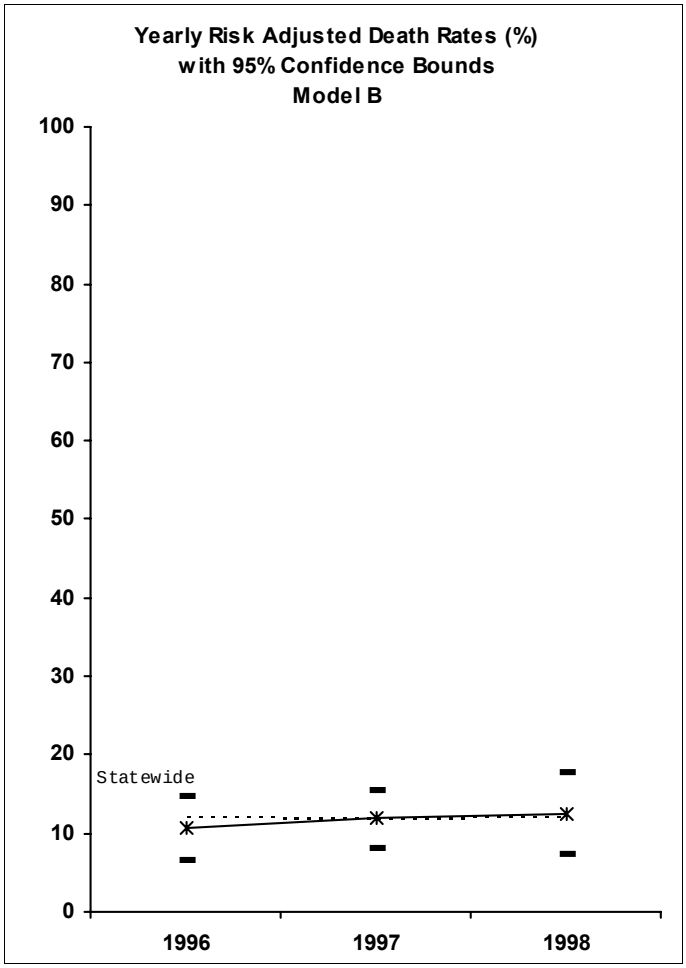
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Los Angeles County: Antelope Valley Hospital

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	581	59	51.9	6.5	10.2	8.9	13.7	10.8	16.7	0.155
	1996	12.17742	192	19	17.5	3.8	9.9	9.1	13.2	8.1	18.3	0.389
	1997	12.02517	191	24	18.6	3.9	12.6	9.7	15.5	10.6	20.5	0.104
	1998	12.06405	198	16	15.8	3.6	8.1	8.0	12.2	6.8	17.7	0.518
Model B	All Years	12.10683	581	59	61.4	6.3	10.2	10.6	11.6	9.2	14.1	0.386
	1996	12.18490	192	19	21.6	3.6	9.9	11.3	10.7	6.7	14.7	0.285
	1997	12.03332	191	24	24.4	3.8	12.6	12.8	11.8	8.1	15.6	0.519
	1998	12.10273	198	16	15.4	3.4	8.1	7.8	12.6	7.3	17.8	0.477



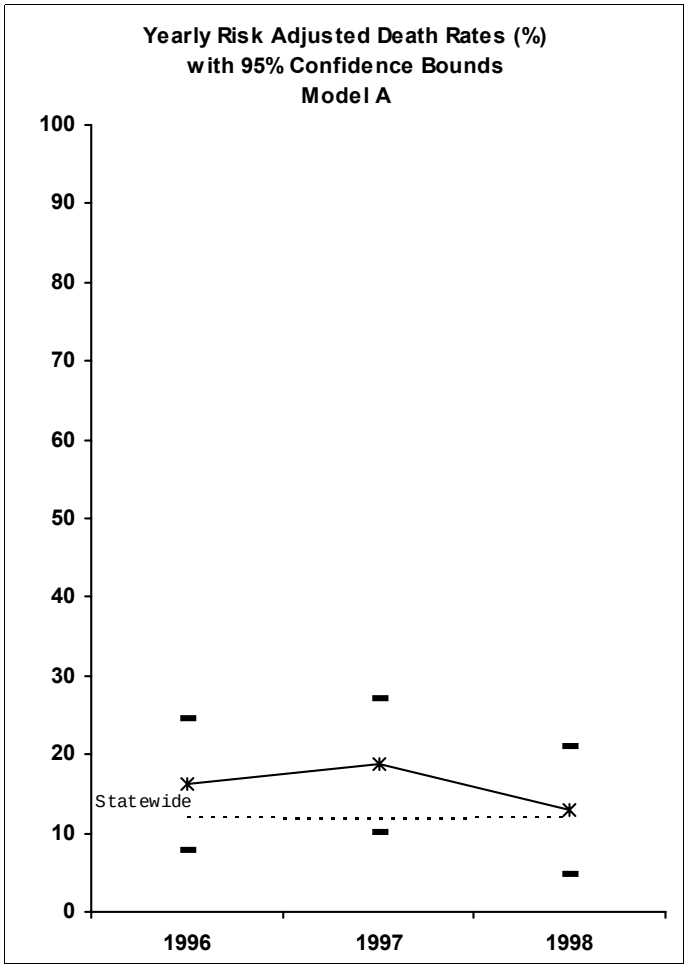


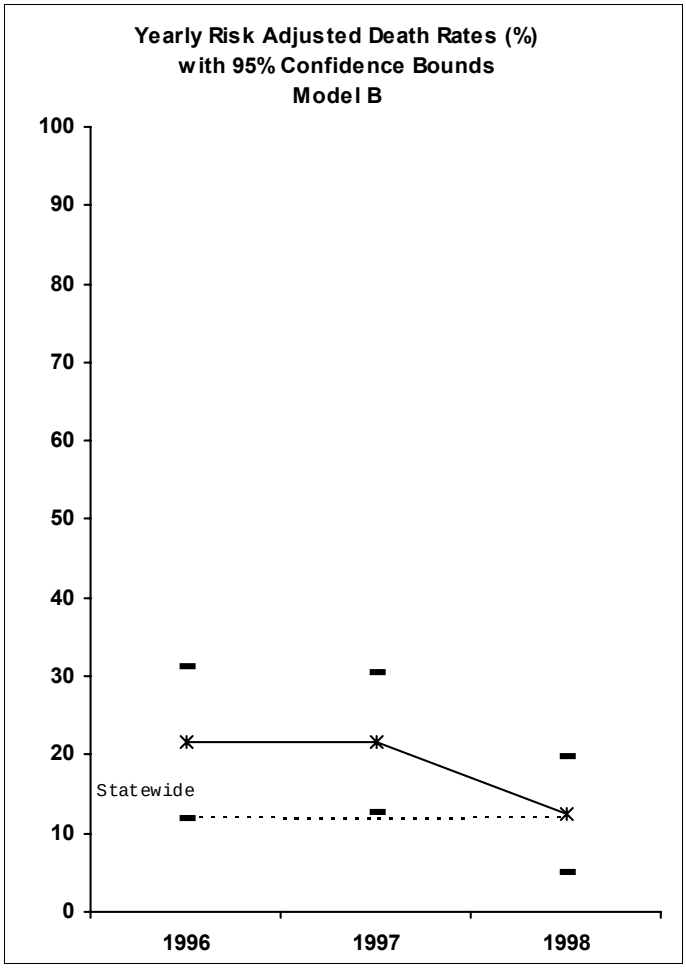
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Los Angeles County: Bay Harbor Hospital

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	151	25	19.1	3.9	16.6	12.6	15.8	11.0	20.7	0.084
	1996	12.17742	57	9	6.7	2.3	15.8	11.8	16.2	7.9	24.5	0.221
	1997	12.02517	46	9	5.8	2.1	19.6	12.6	18.7	10.2	27.2	0.102
	1998	12.06405	48	7	6.5	2.3	14.6	13.6	12.9	4.7	21.2	0.486
Model B	All Years	12.10683	151	25	16.9	3.5	16.6	11.2	17.9	13.0	22.8	0.018
	1996	12.18490	57	9	5.1	2.0	15.8	8.9	21.7	12.1	31.3	0.053
	1997	12.03332	46	9	5.0	1.9	19.6	10.9	21.6	12.6	30.5	0.040
	1998	12.10273	48	7	6.8	2.1	14.6	14.2	12.4	5.1	19.8	0.545



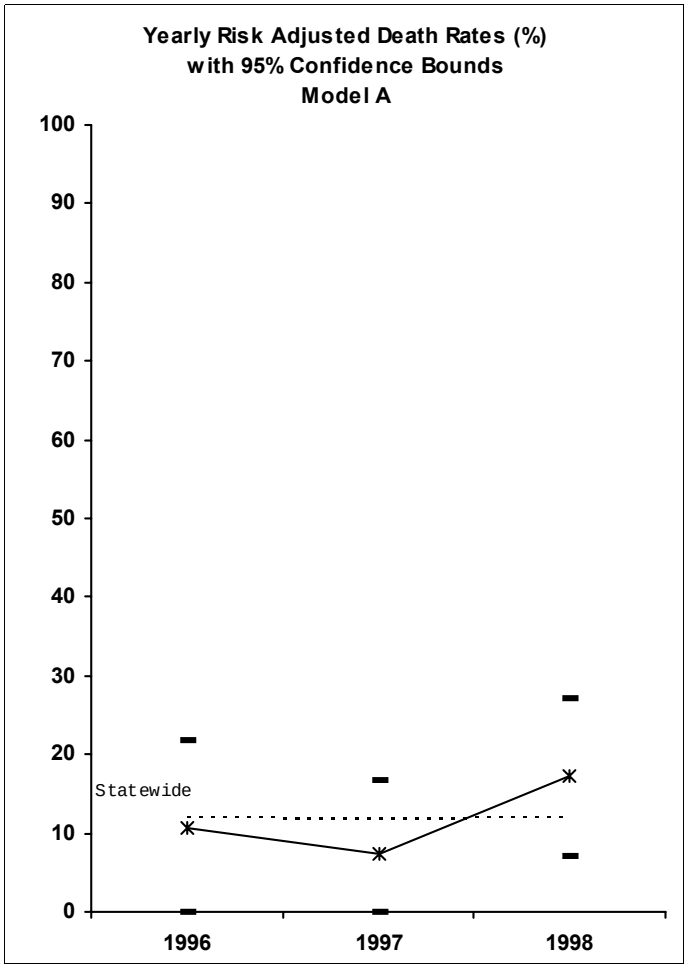


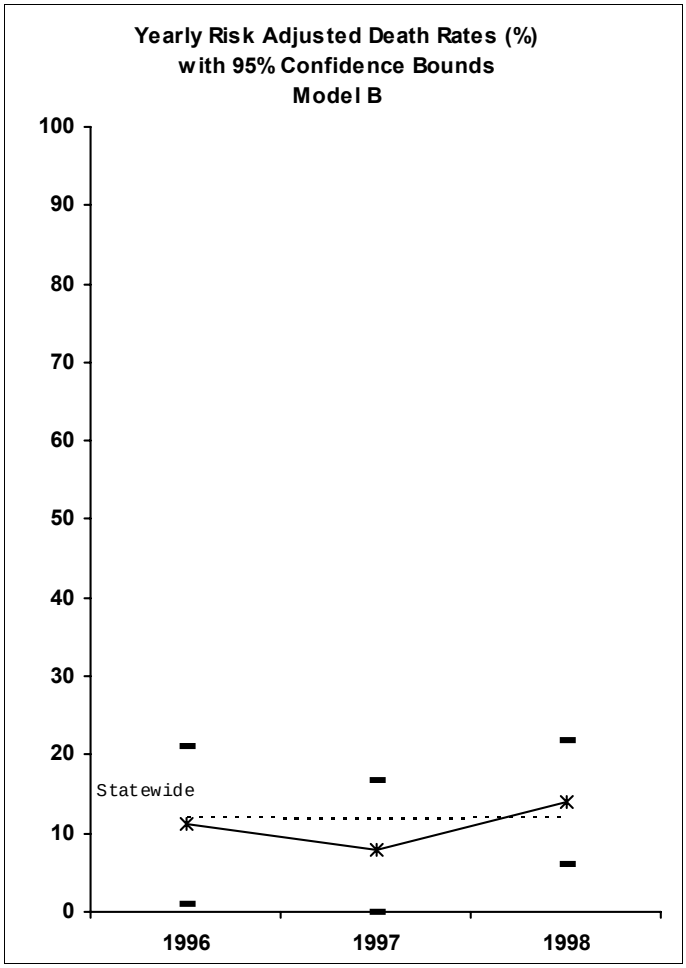
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Los Angeles County: Bellflower Medical Center

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	82	12	12.5	3.1	14.6	15.2	11.6	5.8	17.4	0.512
	1996	12.17742	21	3	3.4	1.6	14.3	16.4	10.6	0.0	21.7	0.536
	1997	12.02517	32	3	4.8	1.9	9.4	15.1	7.5	0.0	16.7	0.249
	1998	12.06405	29	6	4.2	1.8	20.7	14.5	17.2	7.1	27.2	0.229
Model B	All Years	12.10683	82	12	13.1	2.8	14.6	16.0	11.1	6.0	16.2	0.425
	1996	12.18490	21	3	3.3	1.4	14.3	15.7	11.1	0.9	21.2	0.577
	1997	12.03332	32	3	4.6	1.8	9.4	14.5	7.8	0.0	16.8	0.268
	1998	12.10273	29	6	5.2	1.7	20.7	17.8	14.1	6.2	21.9	0.407



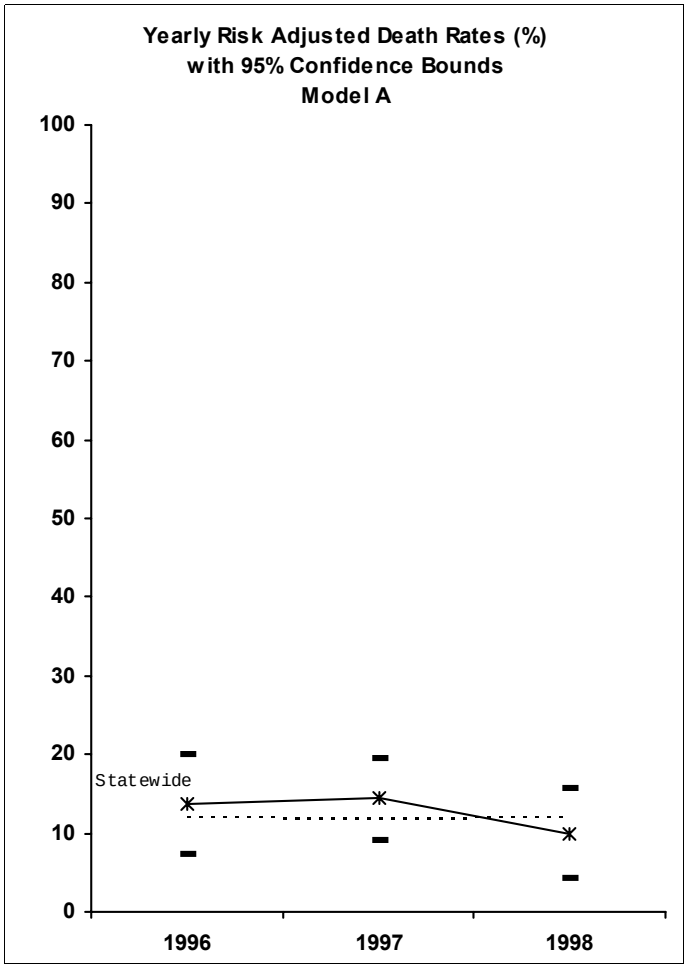


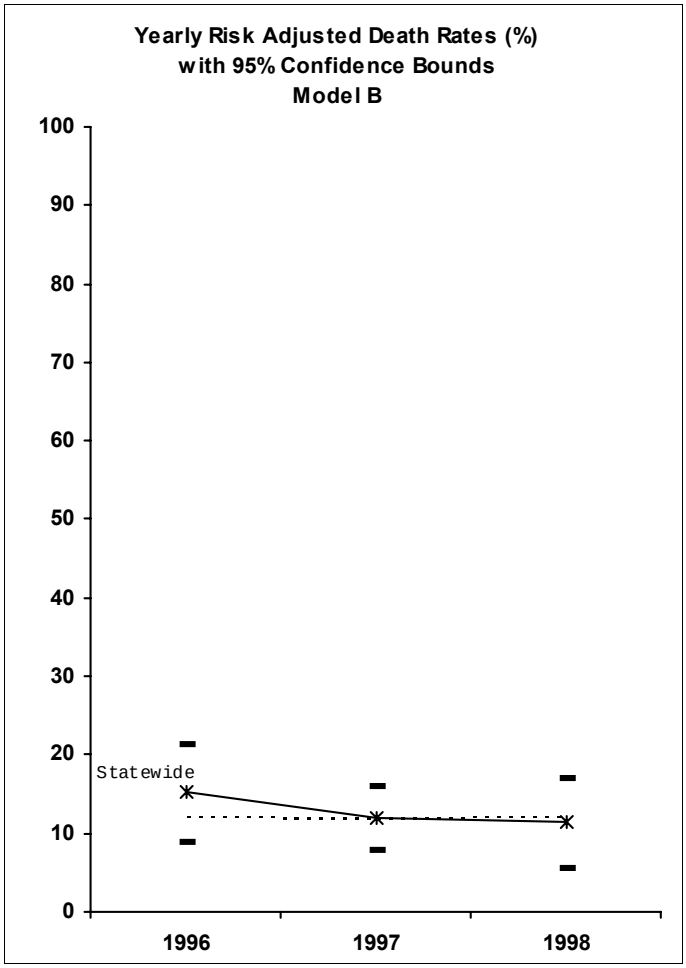
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Los Angeles County: Beverly Hospital

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	316	43	40.7	5.6	13.6	12.9	12.8	9.5	16.0	0.367
	1996	12.17742	106	13	11.5	3.1	12.3	10.9	13.8	7.4	20.1	0.360
	1997	12.02517	110	19	15.9	3.5	17.3	14.5	14.3	9.2	19.5	0.227
	1998	12.06405	100	11	13.2	3.1	11.0	13.2	10.0	4.4	15.6	0.297
Model B	All Years	12.10683	314	43	41.4	5.1	13.7	13.2	12.6	9.6	15.5	0.406
	1996	12.18490	105	13	10.4	2.7	12.4	9.9	15.2	9.0	21.4	0.215
	1997	12.03332	109	19	19.2	3.3	17.4	17.6	11.9	7.8	16.0	0.544
	1998	12.10273	100	11	11.7	2.8	11.0	11.7	11.3	5.6	17.1	0.479



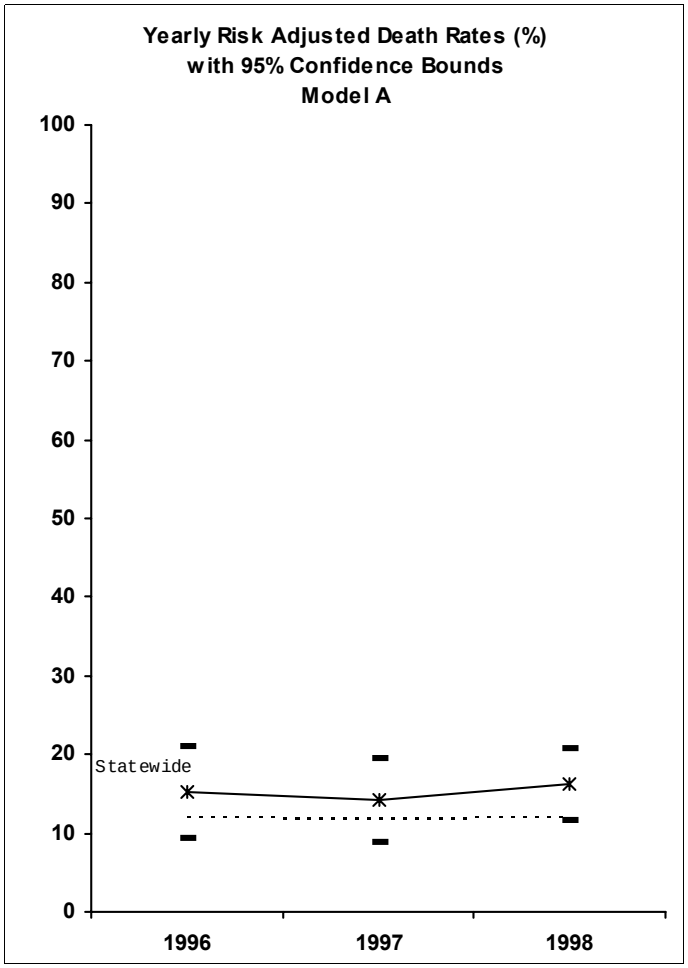


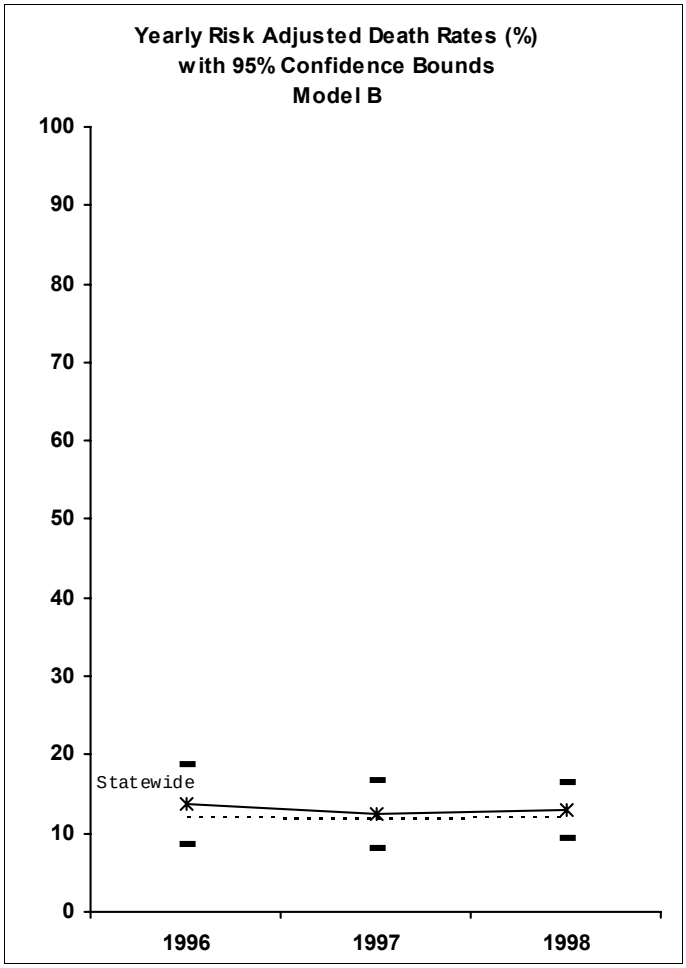
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Los Angeles County: Brotman Medical Center

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	352	62	48.9	6.1	17.6	13.9	15.3	12.4	18.3	0.021
	1996	12.17742	113	17	13.6	3.3	15.0	12.0	15.3	9.4	21.1	0.184
	1997	12.02517	115	18	15.3	3.4	15.7	13.3	14.2	8.9	19.5	0.251
	1998	12.06405	124	27	20.1	3.8	21.8	16.2	16.2	11.8	20.7	0.048
Model B	All Years	12.10683	351	62	57.5	5.8	17.7	16.4	13.1	10.6	15.5	0.245
	1996	12.18490	113	17	15.0	3.2	15.0	13.3	13.8	8.8	18.9	0.311
	1997	12.03332	115	18	17.3	3.2	15.7	15.1	12.5	8.1	16.8	0.471
	1998	12.10273	123	27	25.2	3.7	22.0	20.4	13.0	9.5	16.5	0.354



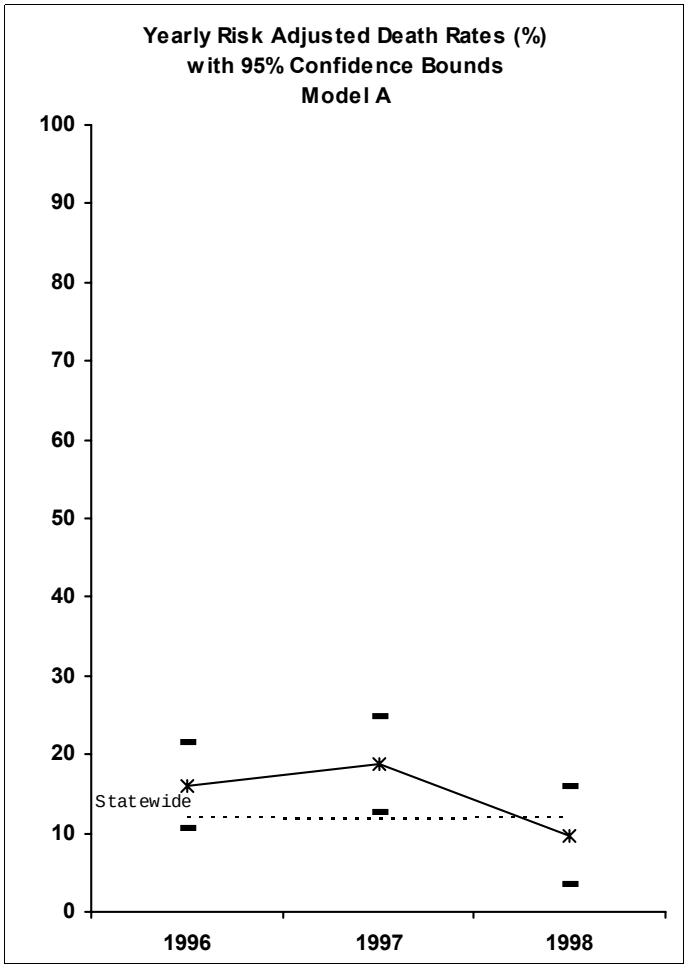


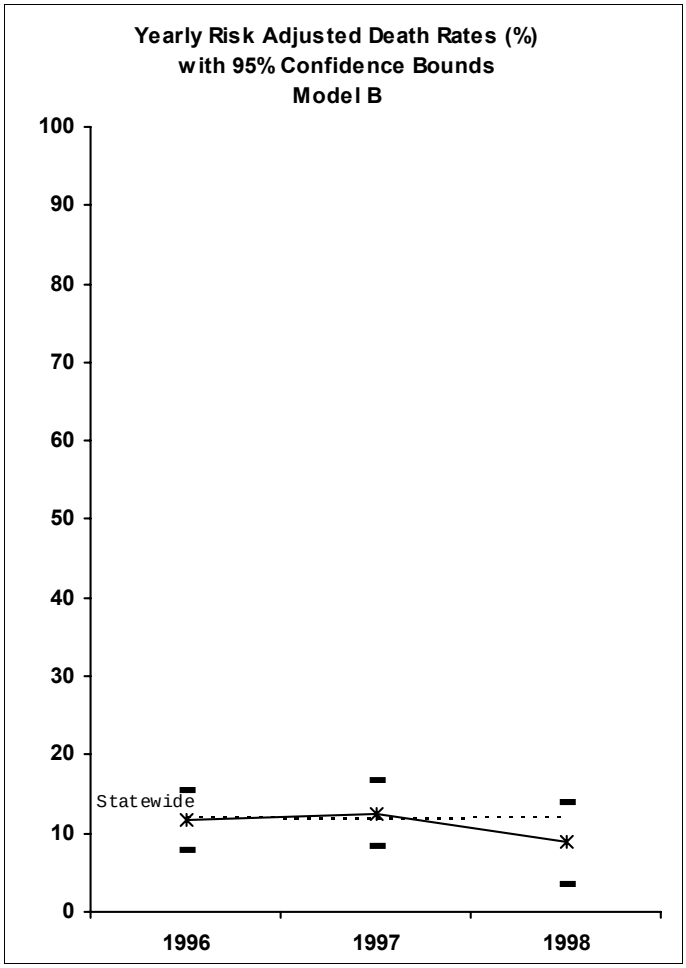
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Los Angeles County: California Hospital Medical Center - Los Angeles

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	287	45	36.5	5.3	15.7	12.7	14.9	11.5	18.3	0.067
	1996	12.17742	108	19	14.4	3.3	17.6	13.4	16.0	10.5	21.5	0.112
	1997	12.02517	88	17	10.9	2.9	19.3	12.4	18.8	12.6	25.0	0.030
	1998	12.06405	91	9	11.2	3.0	9.9	12.3	9.7	3.5	16.0	0.294
Model B	All Years	12.10683	284	44	47.4	5.0	15.5	16.7	11.2	8.8	13.7	0.284
	1996	12.18490	108	19	19.7	3.1	17.6	18.3	11.7	7.9	15.5	0.475
	1997	12.03332	85	16	15.3	2.7	18.8	18.0	12.6	8.4	16.8	0.461
	1998	12.10273	91	9	12.3	2.7	9.9	13.6	8.8	3.6	14.0	0.144



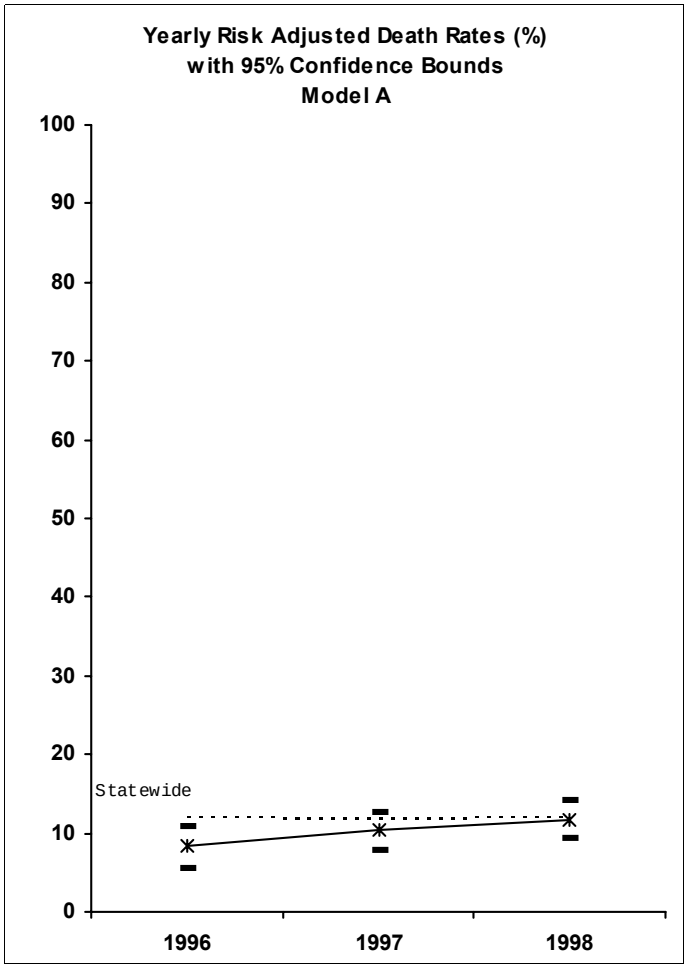


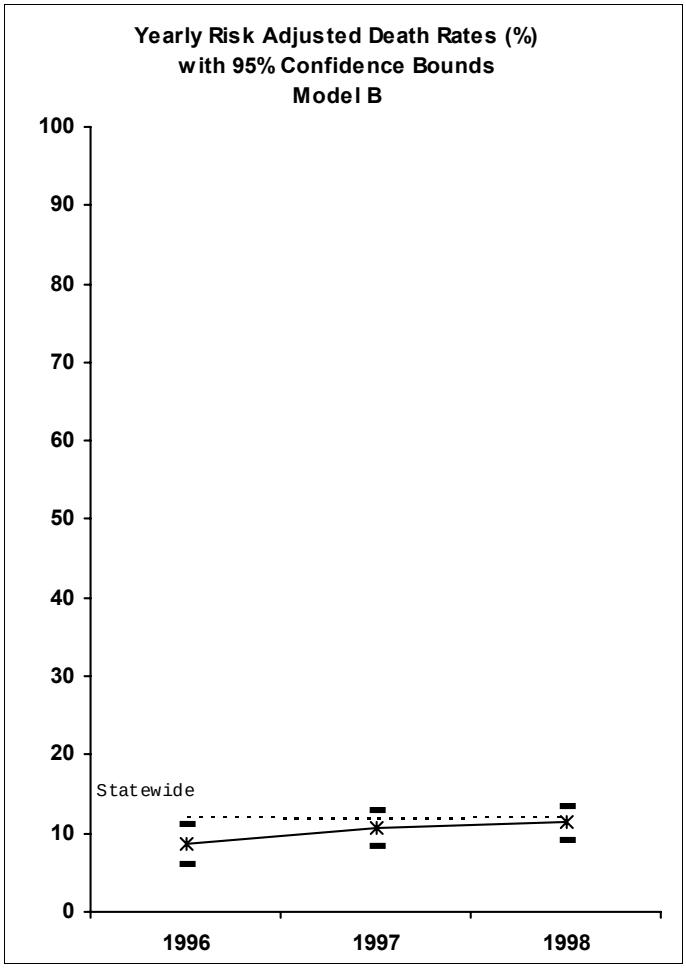
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Los Angeles County: Cedars-Sinai Medical Center

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	1401	174	206.0	12.5	12.4	14.7	10.2	8.8	11.6	0.005
	1996	12.17742	439	42	61.8	6.9	9.6	14.1	8.3	5.6	10.9	0.002
	1997	12.02517	467	60	70.2	7.3	12.8	15.0	10.3	7.8	12.7	0.091
	1998	12.06405	495	72	74.1	7.5	14.5	15.0	11.7	9.3	14.1	0.421
Model B	All Years	12.10683	1375	171	199.7	11.5	12.4	14.5	10.4	9.0	11.7	0.006
	1996	12.18490	420	40	56.5	6.2	9.5	13.5	8.6	6.0	11.3	0.004
	1997	12.03332	462	60	67.7	6.7	13.0	14.6	10.7	8.3	13.0	0.143
	1998	12.10273	493	71	75.5	6.9	14.4	15.3	11.4	9.2	13.6	0.284



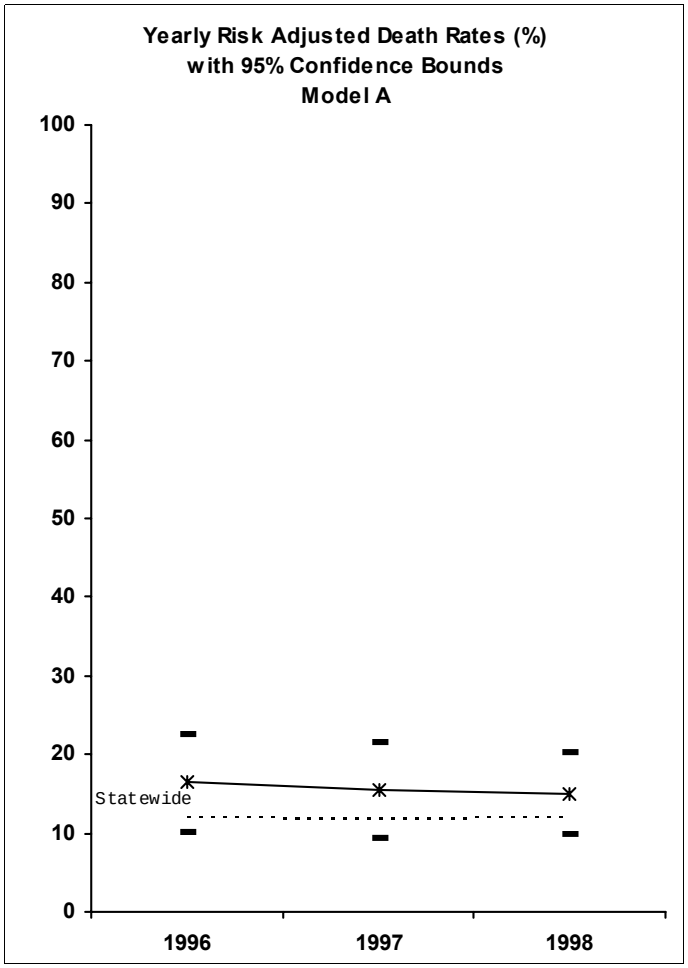


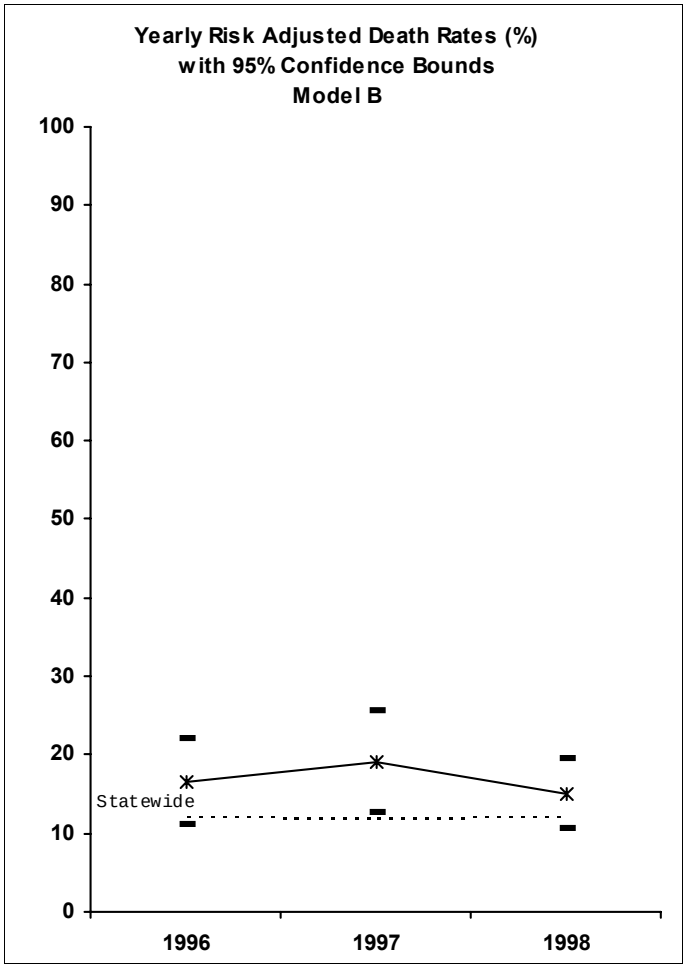
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Los Angeles County: Centinela Hospital Medical Center

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	363	52	40.4	5.7	14.3	11.1	15.6	12.2	18.9	0.028
	1996	12.17742	116	16	11.9	3.1	13.8	10.2	16.4	10.1	22.7	0.124
	1997	12.02517	128	16	12.4	3.2	12.5	9.7	15.5	9.4	21.6	0.166
	1998	12.06405	119	20	16.1	3.5	16.8	13.5	15.0	9.9	20.2	0.163
Model B	All Years	12.10683	359	52	37.8	4.9	14.5	10.5	16.6	13.6	19.7	0.004
	1996	12.18490	116	16	11.7	2.7	13.8	10.1	16.6	11.1	22.2	0.086
	1997	12.03332	124	16	10.0	2.7	12.9	8.1	19.2	12.7	25.6	0.028
	1998	12.10273	119	20	16.1	3.0	16.8	13.5	15.0	10.6	19.5	0.131



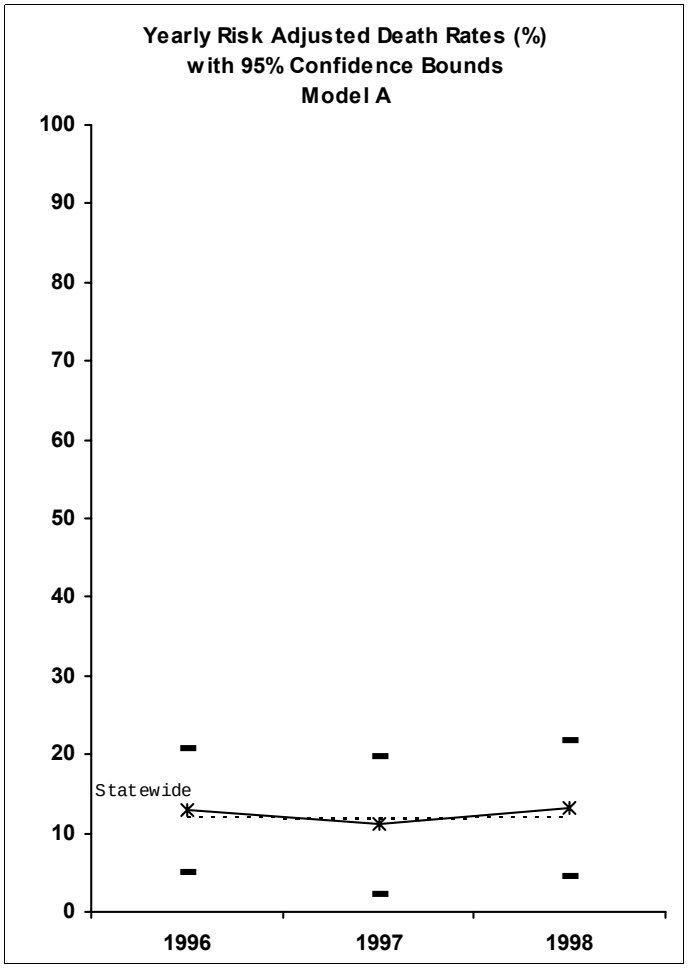


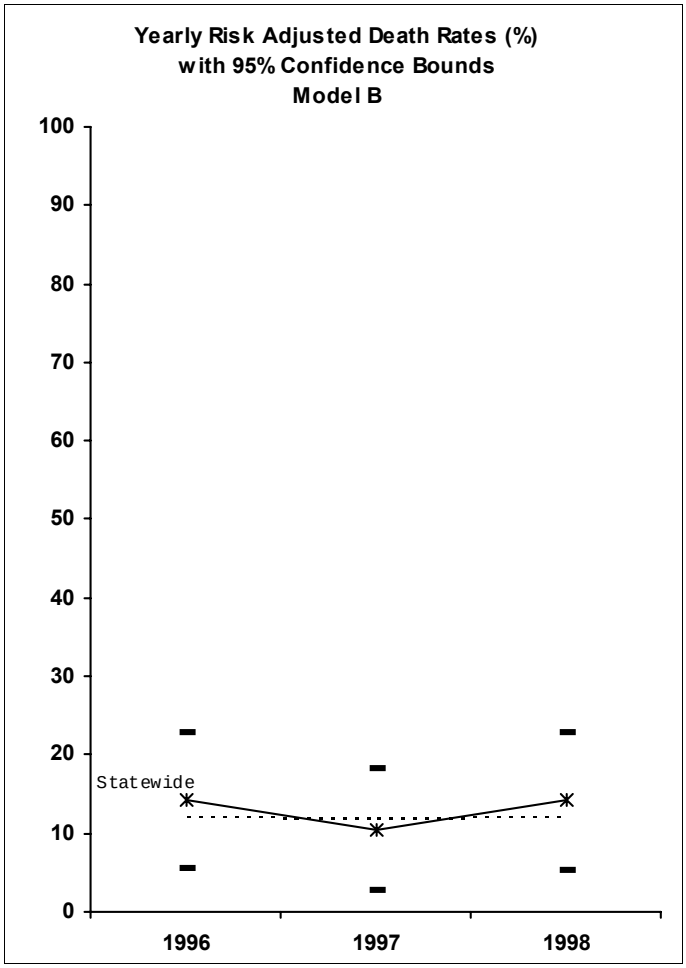
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Los Angeles County: Century City Hospital

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	137	19	18.4	3.7	13.9	13.5	12.5	7.6	17.3	0.482
	1996	12.17742	60	8	7.5	2.5	13.3	12.5	12.9	5.2	20.7	0.487
	1997	12.02517	40	5	5.4	2.0	12.5	13.5	11.1	2.4	19.8	0.536
	1998	12.06405	37	6	5.5	2.0	16.2	14.8	13.2	4.6	21.8	0.481
Model B	All Years	12.10683	134	18	16.8	3.4	13.4	12.5	13.0	8.1	17.8	0.410
	1996	12.18490	58	7	5.9	2.2	12.1	10.3	14.3	5.7	23.0	0.381
	1997	12.03332	40	5	5.7	1.9	12.5	14.3	10.5	2.7	18.3	0.469
	1998	12.10273	36	6	5.1	1.9	16.7	14.3	14.1	5.4	22.8	0.407



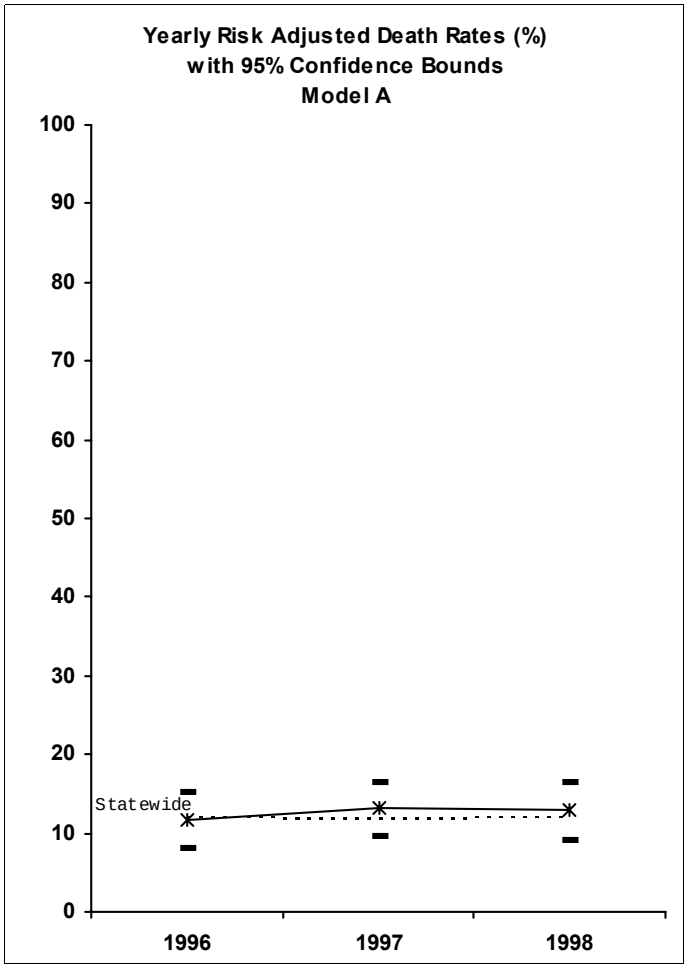


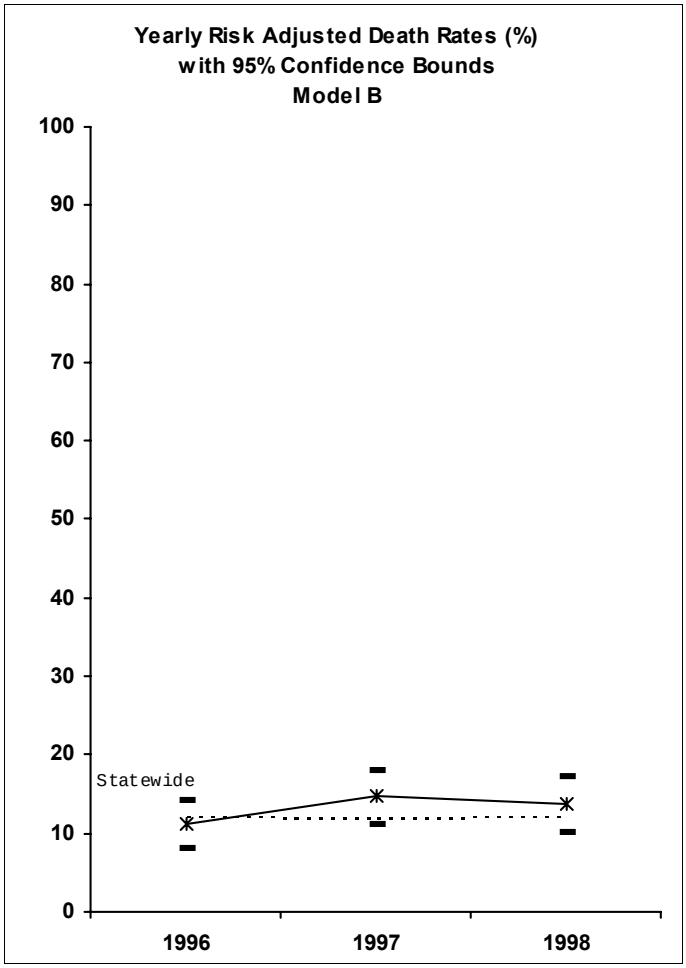
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Los Angeles County: Citrus Valley Med Center - Queen of the Valley Campus

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	1027	114	109.9	9.4	11.1	10.7	12.5	10.5	14.6	0.346
	1996	12.17742	365	37	38.6	5.6	10.1	10.6	11.7	8.2	15.1	0.433
	1997	12.02517	343	42	38.5	5.5	12.2	11.2	13.1	9.7	16.5	0.287
	1998	12.06405	319	35	32.8	5.1	11.0	10.3	12.9	9.2	16.6	0.367
Model B	All Years	12.10683	1027	114	105.4	8.5	11.1	10.3	13.1	11.2	15.0	0.170
	1996	12.18490	365	37	40.2	5.2	10.1	11.0	11.2	8.1	14.3	0.301
	1997	12.03332	343	42	34.3	5.0	12.2	10.0	14.7	11.3	18.1	0.077
	1998	12.10273	319	35	30.8	4.7	11.0	9.7	13.8	10.2	17.4	0.211



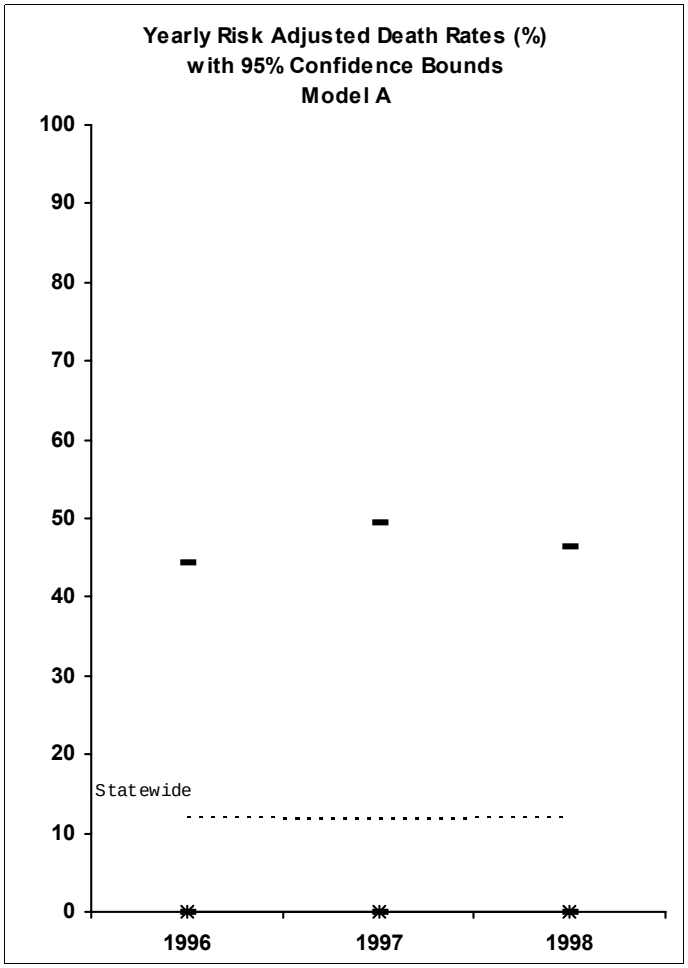


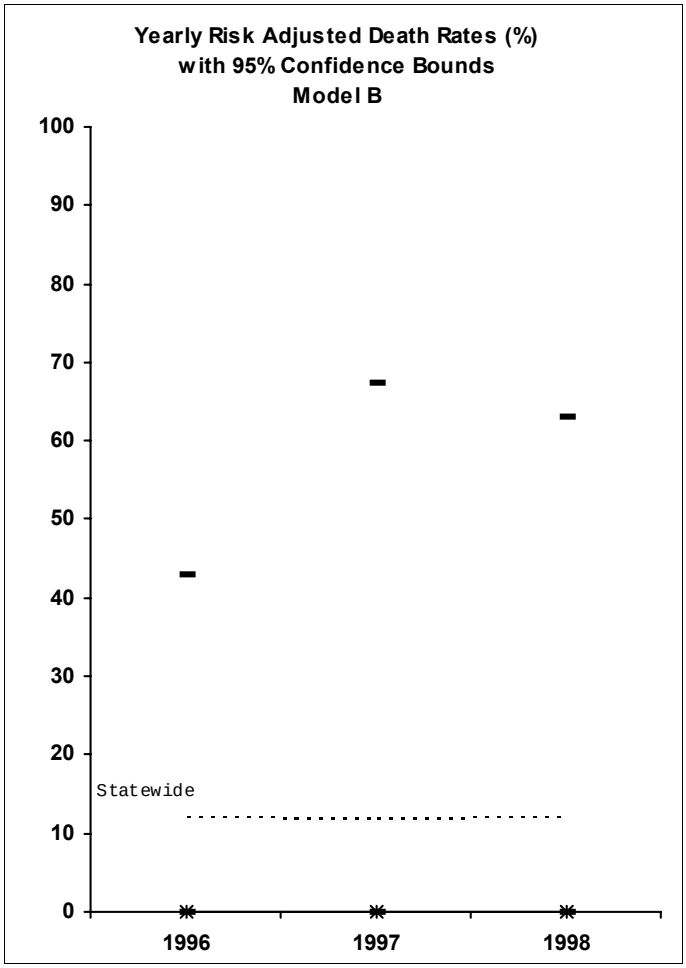
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Los Angeles County: City of Hope National Medical Center

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	6	0	0.7	0.8	0.0	11.1	0.0	0.0	27.0	0.488
	1996	12.17742	3	0	0.3	0.5	0.0	8.7	0.0	0.0	44.5	0.760
	1997	12.02517	2	0	0.2	0.4	0.0	9.9	0.0	0.0	49.5	0.809
	1998	12.06405	1	0	0.2	0.4	0.0	20.6	0.0	0.0	46.5	0.794
Model B	All Years	12.10683	6	0	0.5	0.7	0.0	8.4	0.0	0.0	31.4	0.585
	1996	12.18490	3	0	0.3	0.5	0.0	8.8	0.0	0.0	43.1	0.752
	1997	12.03332	2	0	0.1	0.3	0.0	5.7	0.0	0.0	67.3	0.889
	1998	12.10273	1	0	0.1	0.3	0.0	12.4	0.0	0.0	63.1	0.876



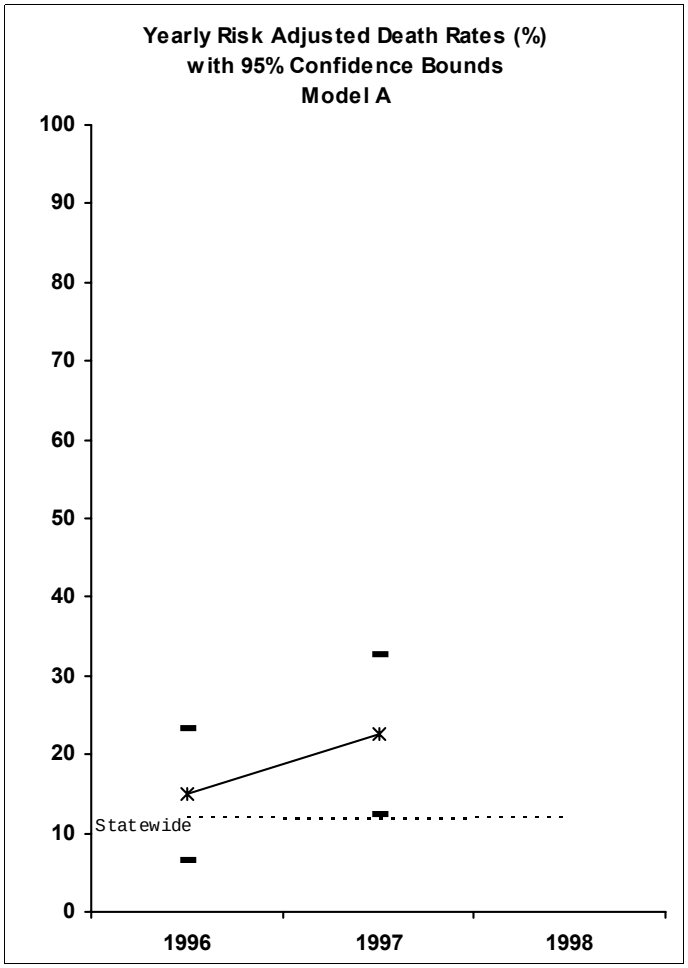


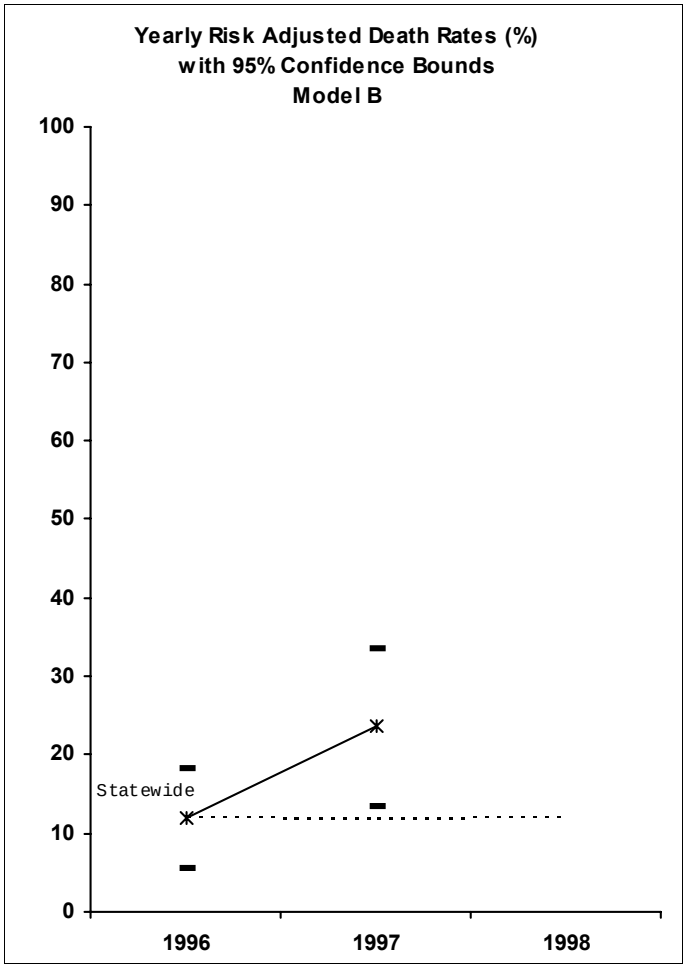
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Los Angeles County: Coast Plaza Doctors Hospital

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	70	14	9.4	2.6	20.0	13.5	17.9	11.5	24.4	0.062
	1996	12.17742	40	7	5.7	2.0	17.5	14.3	14.9	6.6	23.3	0.332
	1997	12.02517	30	7	3.7	1.6	23.3	12.5	22.5	12.3	32.7	0.050
	1998	Excluded										
Model B	All Years	12.10683	70	14	10.7	2.4	20.0	15.3	15.9	10.4	21.3	0.126
	1996	12.18490	40	7	7.1	1.9	17.5	17.8	12.0	5.6	18.4	0.589
	1997	12.03332	30	7	3.6	1.5	23.3	11.9	23.6	13.5	33.7	0.033
	1998	Excluded										



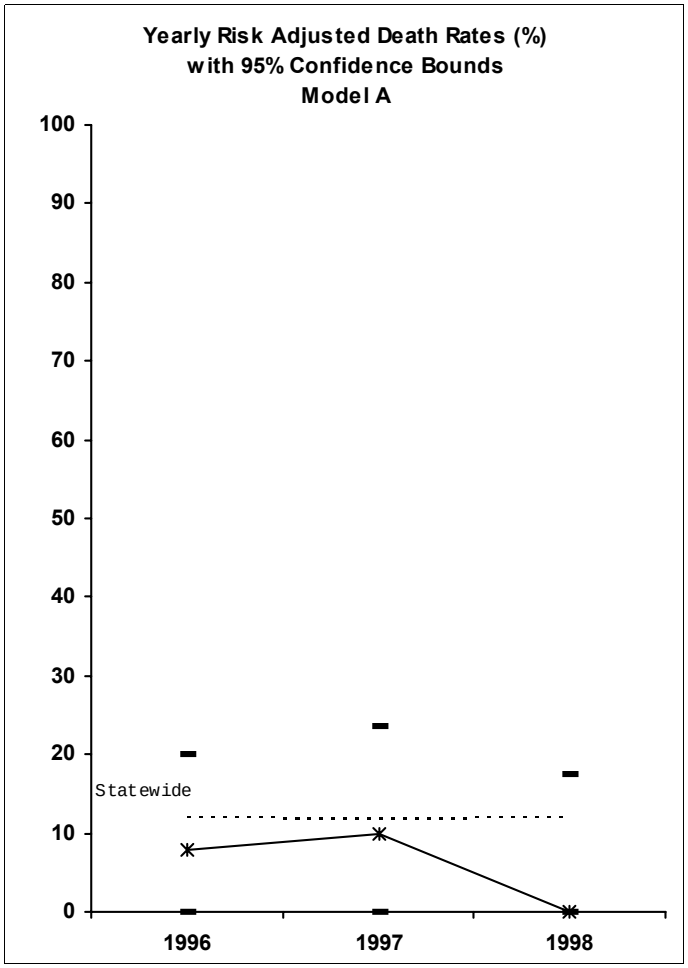


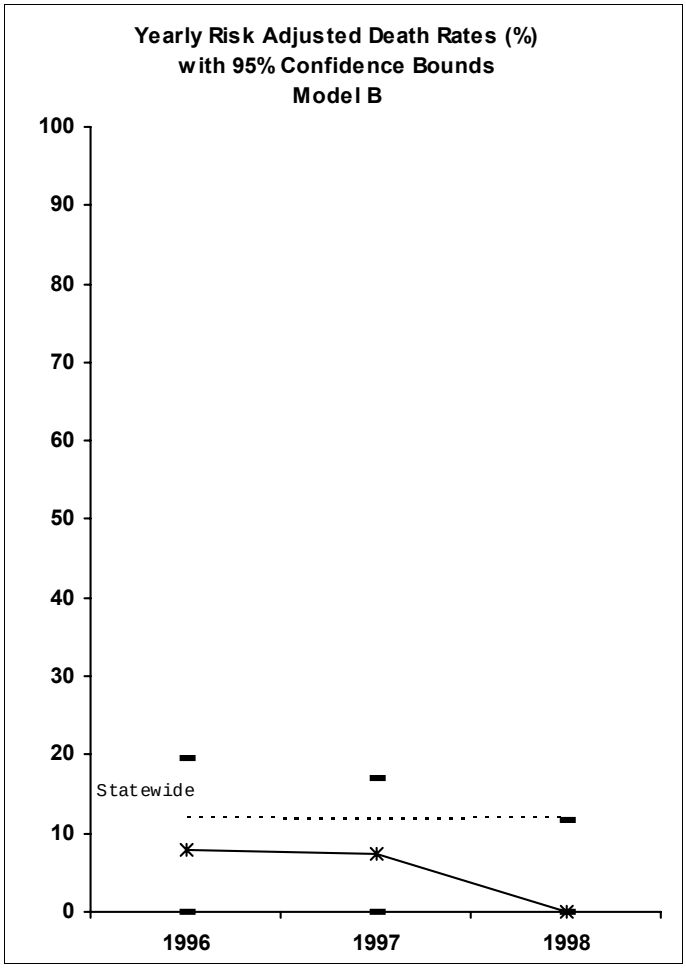
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Los Angeles County: Community & Mission Hospitals - Huntington Park

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	57	4	6.9	2.3	7.0	12.0	7.1	0.0	15.1	0.156
	1996	12.17742	21	2	3.0	1.6	9.5	14.5	8.0	0.0	20.1	0.385
	1997	12.02517	26	2	2.4	1.4	7.7	9.4	9.9	0.0	23.7	0.551
	1998	12.06405	10	0	1.4	1.0	0.0	13.7	0.0	0.0	17.6	0.203
Model B	All Years	12.10683	57	4	8.2	2.2	7.0	14.4	5.9	0.0	12.3	0.039
	1996	12.18490	21	2	3.1	1.5	9.5	14.6	8.0	0.0	19.5	0.371
	1997	12.03332	26	2	3.3	1.4	7.7	12.5	7.4	0.0	17.2	0.296
	1998	12.10273	10	0	1.9	0.9	0.0	19.0	0.0	0.0	11.7	0.053



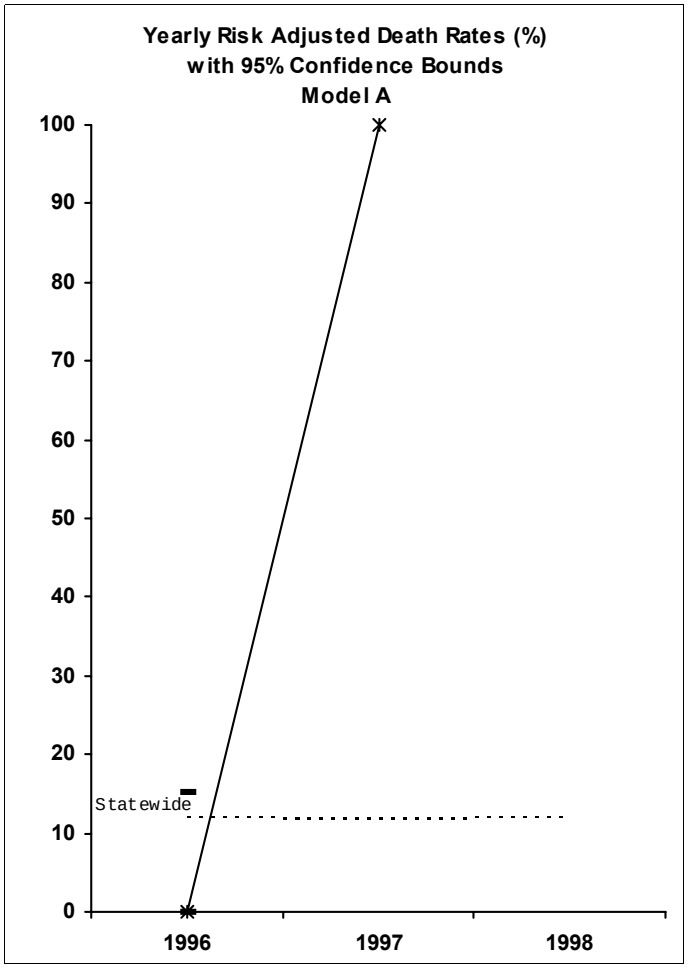


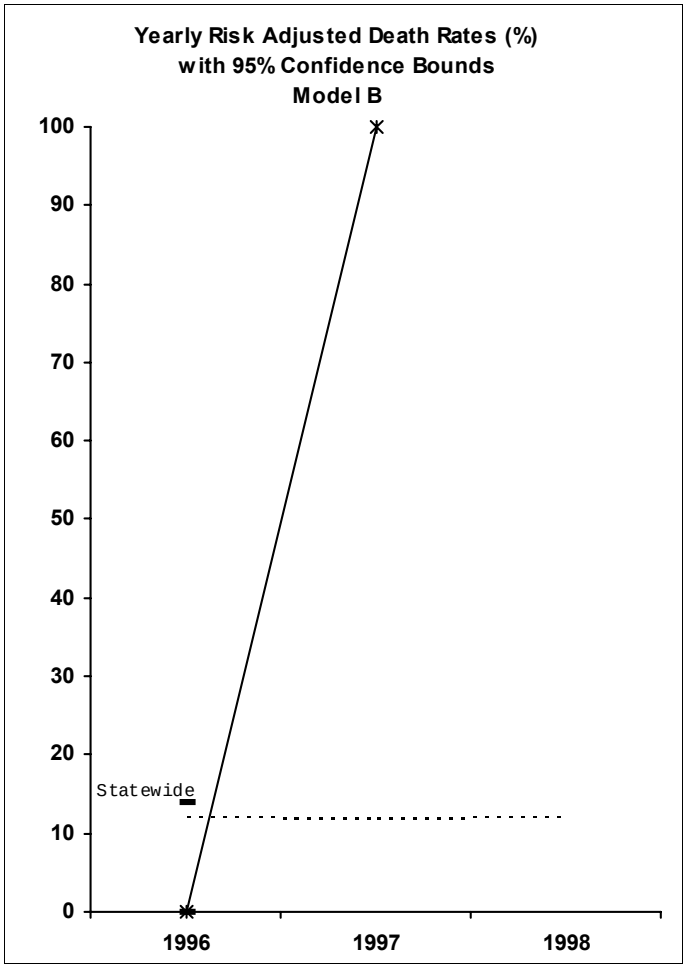
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Los Angeles County: Community and Mission Hospital

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	12	1	1.8	1.1	8.3	14.6	6.9	0.0	22.0	0.440
	1996	12.17742	10	0	1.7	1.1	0.0	17.1	0.0	0.0	15.3	0.126
	1997	12.02517	2	1	0.0	0.2	50.0	2.3	100.0			0.045
	1998	12.06405	0									
Model B	All Years	12.10683	12	1	1.7	1.0	8.3	14.2	7.1	0.0	21.0	0.444
	1996	12.18490	10	0	1.7	1.0	0.0	16.6	0.0	0.0	14.1	0.101
	1997	12.03332	2	1	0.0	0.2	50.0	2.1	100.0			0.043
	1998	12.10273	0									



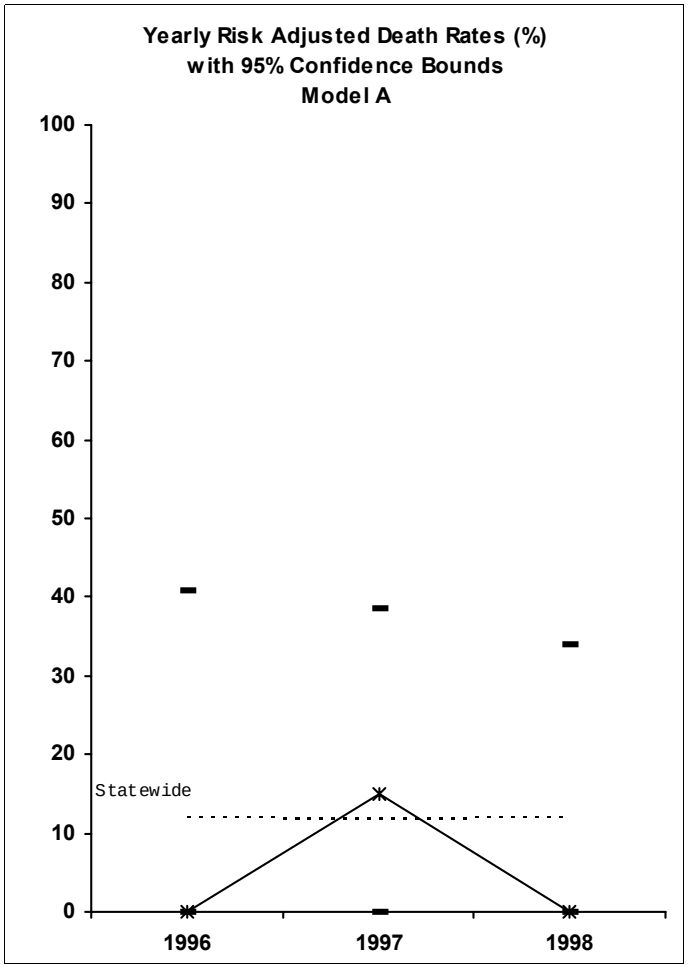


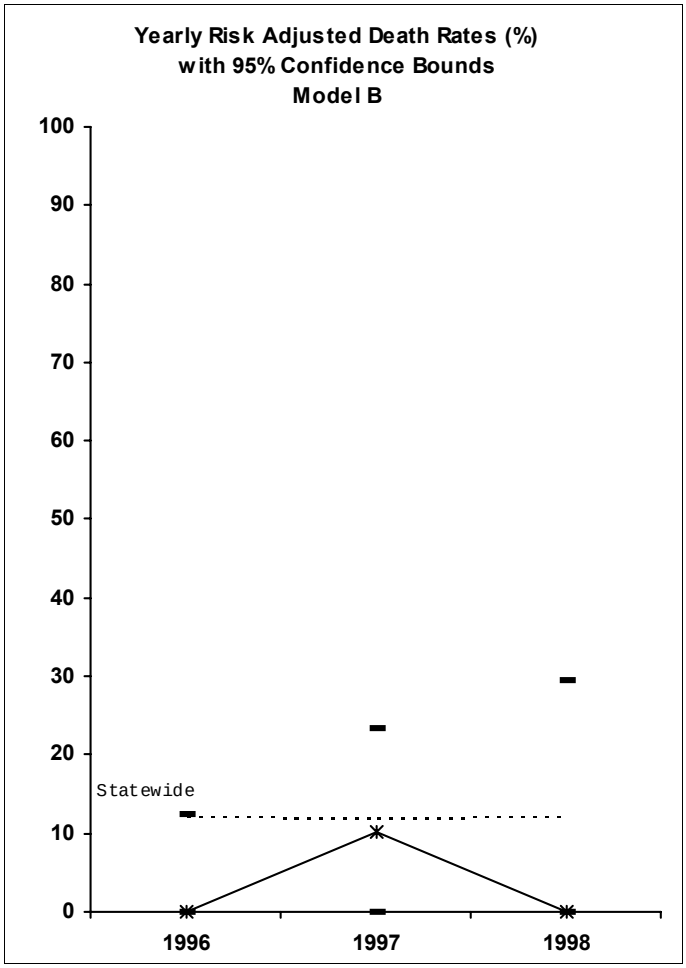
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Los Angeles County: Community Hospital of Gardena

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	13	1	1.5	1.1	7.7	11.4	8.2	0.0	25.7	0.547
	1996	12.17742	3	0	0.3	0.5	0.0	9.7	0.0	0.0	40.8	0.729
	1997	12.02517	7	1	0.8	0.8	14.3	11.4	15.0	0.0	38.5	0.593
	1998	12.06405	3	0	0.4	0.6	0.0	13.0	0.0	0.0	34.0	0.648
Model B	All Years	12.10683	13	1	2.6	1.0	7.7	20.3	4.6	0.0	13.9	0.115
	1996	12.18490	3	0	1.0	0.5	0.0	32.2	0.0	0.0	12.4	0.143
	1997	12.03332	7	1	1.2	0.7	14.3	16.9	10.1	0.0	23.5	0.729
	1998	12.10273	3	0	0.5	0.6	0.0	16.2	0.0	0.0	29.5	0.571



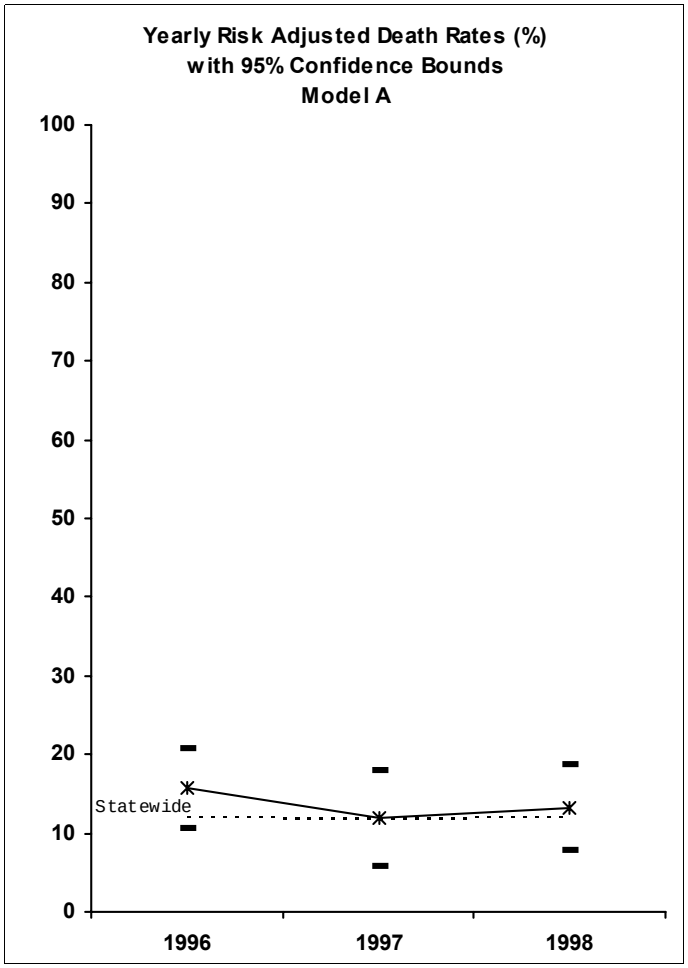


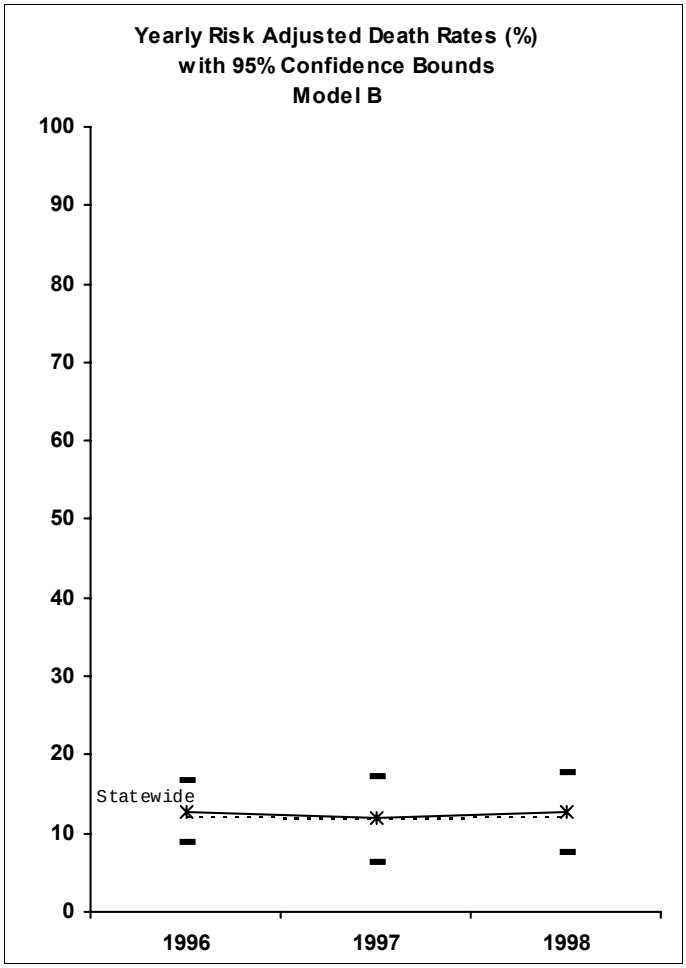
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Los Angeles County: Daniel Freeman Marina Hospital

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	299	48	42.0	5.6	16.1	14.0	13.8	10.6	17.0	0.163
	1996	12.17742	106	21	16.3	3.5	19.8	15.4	15.7	10.6	20.8	0.113
	1997	12.02517	99	12	12.0	3.1	12.1	12.1	12.0	5.9	18.1	0.574
	1998	12.06405	94	15	13.7	3.2	16.0	14.6	13.2	7.8	18.7	0.389
Model B	All Years	12.10683	299	48	46.4	5.3	16.1	15.5	12.5	9.8	15.2	0.416
	1996	12.18490	106	21	20.0	3.3	19.8	18.9	12.8	8.9	16.7	0.436
	1997	12.03332	99	12	12.2	2.8	12.1	12.3	11.9	6.4	17.4	0.557
	1998	12.10273	94	15	14.2	3.0	16.0	15.2	12.7	7.7	17.8	0.458



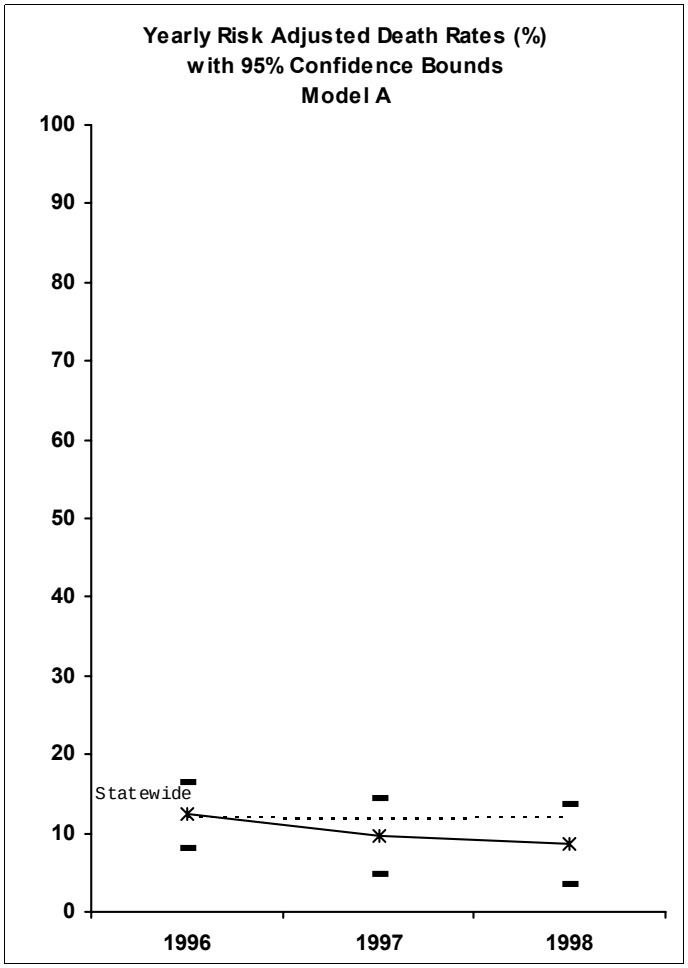


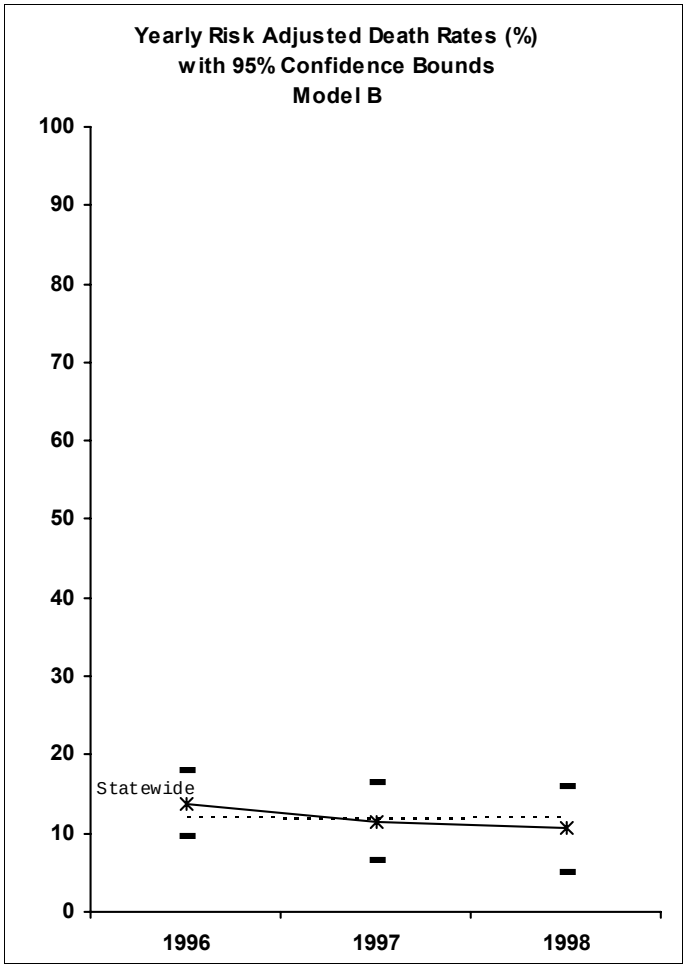
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Los Angeles County: Daniel Freeman Memorial Hospital

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	476	53	61.3	6.9	11.1	12.9	10.5	7.8	13.1	0.129
	1996	12.17742	178	26	25.7	4.4	14.6	14.4	12.3	8.2	16.5	0.505
	1997	12.02517	150	15	18.7	3.8	10.0	12.5	9.6	4.8	14.5	0.204
	1998	12.06405	148	12	16.9	3.6	8.1	11.4	8.6	3.5	13.6	0.108
Model B	All Years	12.10683	476	53	52.2	6.1	11.1	11.0	12.3	9.5	15.1	0.471
	1996	12.18490	178	26	22.9	4.0	14.6	12.8	13.9	9.7	18.0	0.249
	1997	12.03332	150	15	15.6	3.3	10.0	10.4	11.6	6.5	16.6	0.498
	1998	12.10273	148	12	13.7	3.2	8.1	9.3	10.6	5.1	16.1	0.363



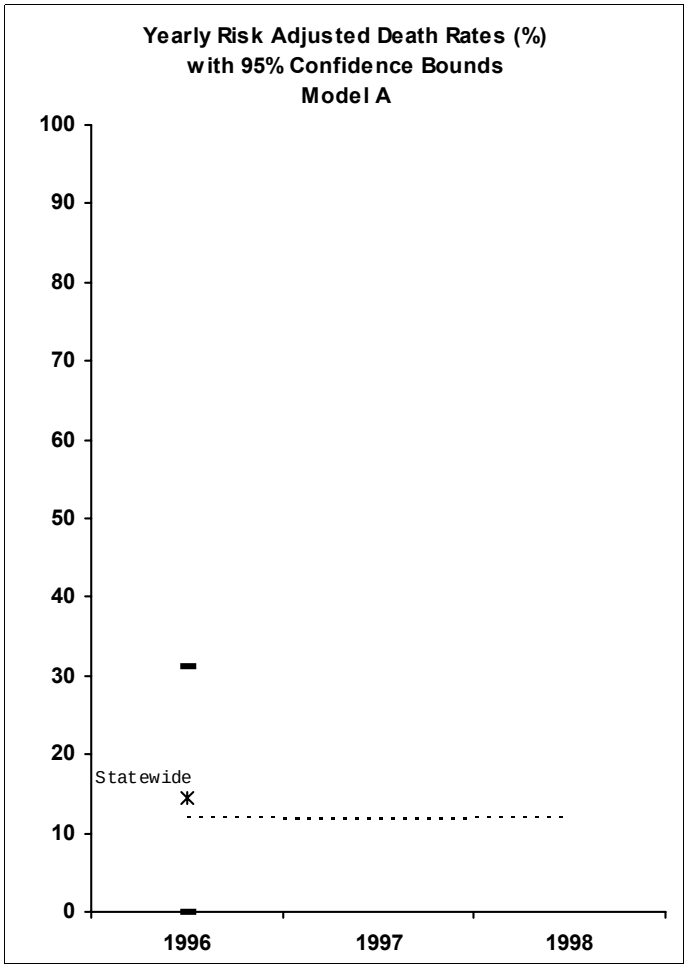


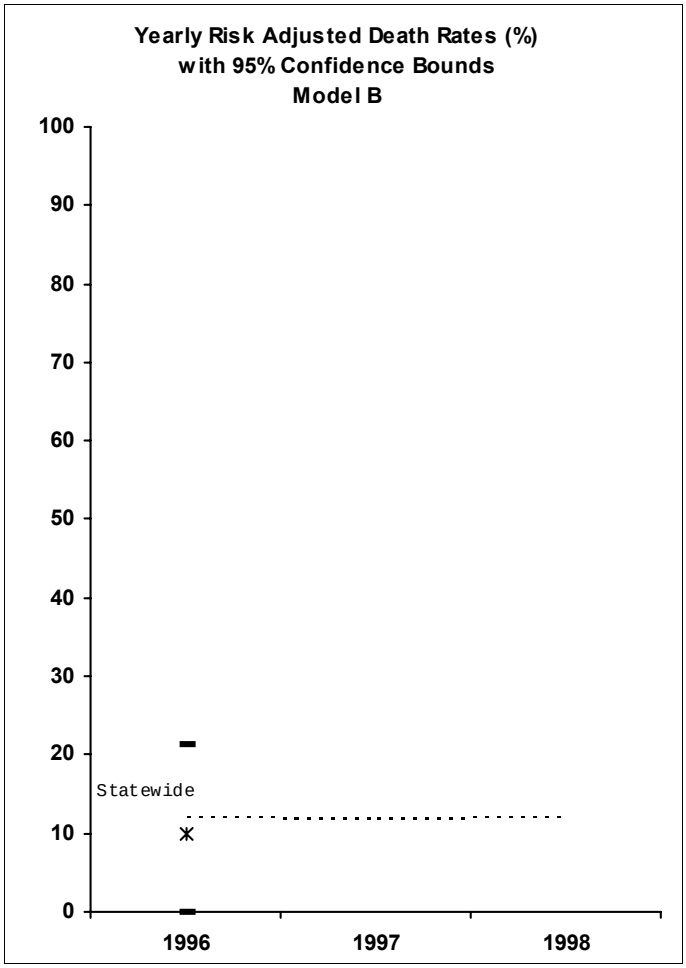
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Los Angeles County: Desert Palms Community Hospital

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	17	2	1.7	1.2	11.8	9.9	14.3	0.0	31.0	0.521
	1996	12.17742	17	2	1.7	1.2	11.8	9.9	14.4	0.0	31.3	0.521
	1997	12.02517	0									
	1998	12.06405	0									
Model B	All Years	12.10683	17	2	2.4	1.2	11.8	14.3	10.0	0.0	21.3	0.542
	1996	12.18490	17	2	2.4	1.2	11.8	14.3	10.0	0.0	21.4	0.542
	1997	12.03332	0									
	1998	12.10273	0									



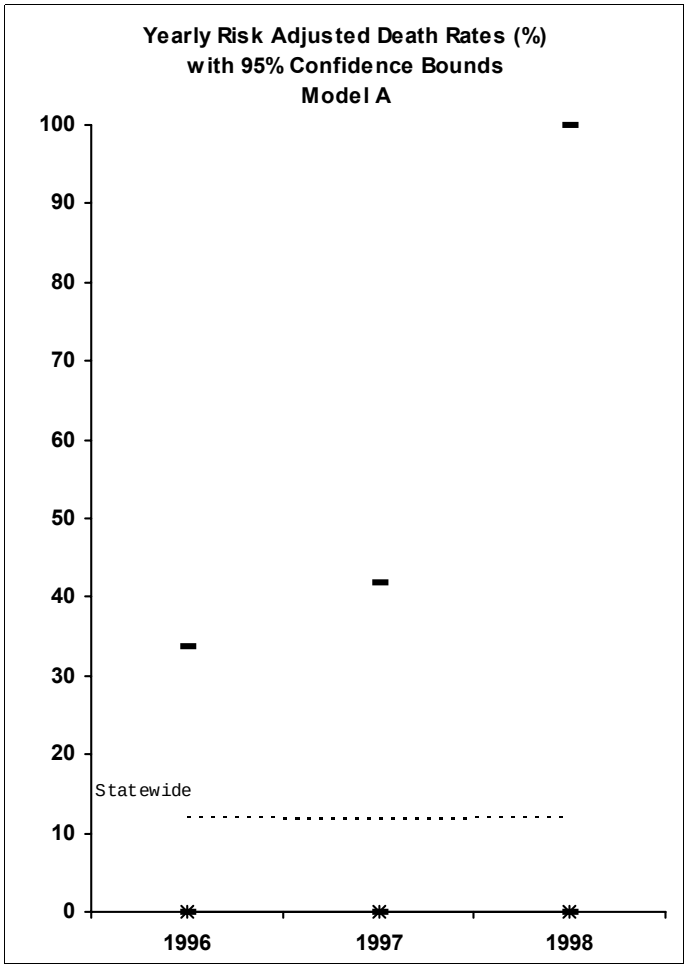


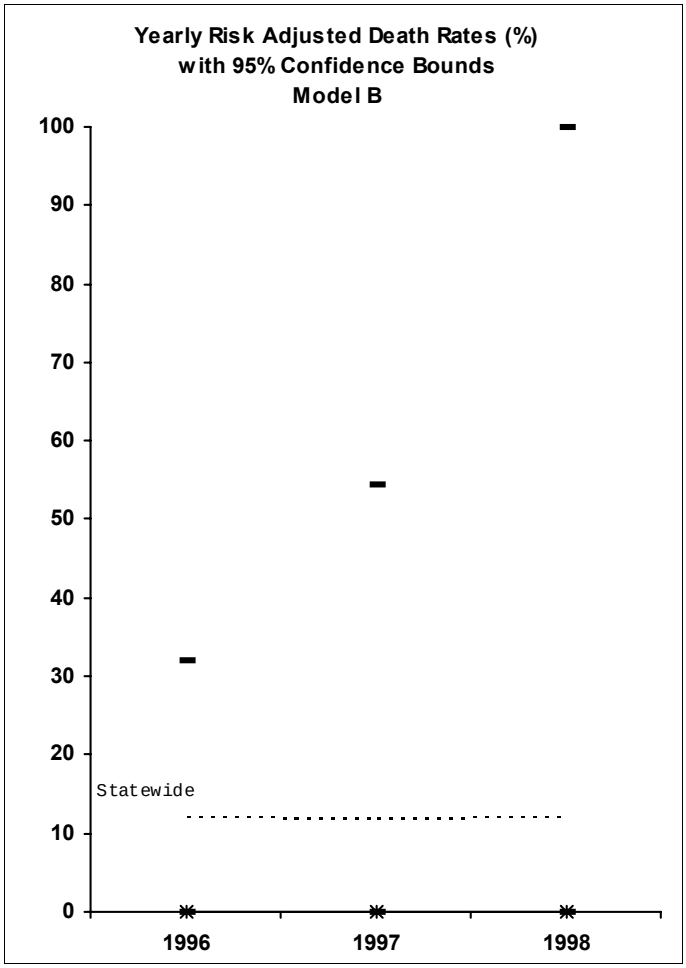
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Los Angeles County: Doctors Hospital of West Covina

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	4	0	0.7	0.7	0.0	16.6	0.0	0.0	25.4	0.468
	1996	12.17742	2	0	0.4	0.5	0.0	18.5	0.0	0.0	33.8	0.651
	1997	12.02517	1	0	0.2	0.4	0.0	24.2	0.0	0.0	41.8	0.758
	1998	12.06405	1	0	0.1	0.2	0.0	5.1	0.0	0.0	100.0	0.949
Model B	All Years	12.10683	4	0	0.6	0.6	0.0	14.1	0.0	0.0	27.2	0.518
	1996	12.18490	2	0	0.4	0.5	0.0	19.1	0.0	0.0	32.0	0.631
	1997	12.03332	1	0	0.2	0.4	0.0	15.8	0.0	0.0	54.4	0.842
	1998	12.10273	1	0	0.0	0.2	0.0	2.5	0.0	0.0	100.0	0.975



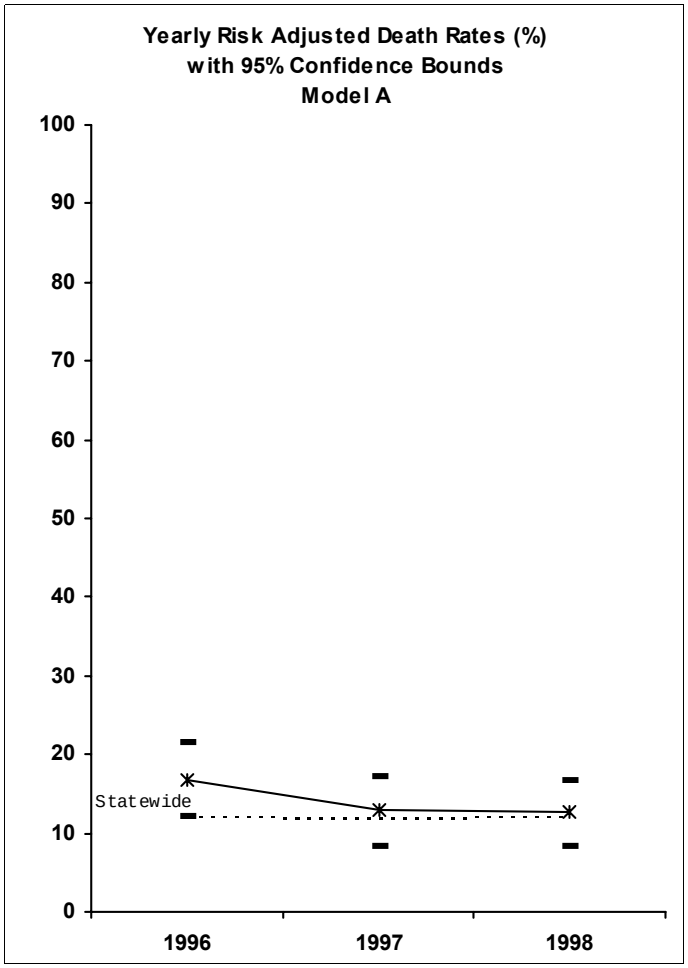


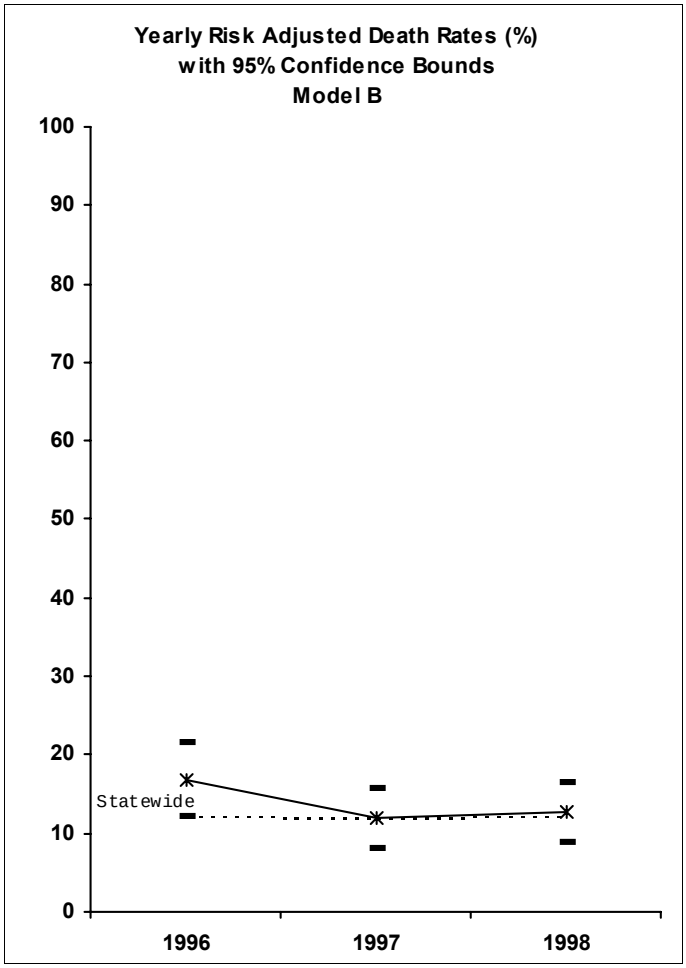
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Los Angeles County: Downey Community Hospital

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	529	78	67.5	7.3	14.7	12.8	14.0	11.4	16.5	0.087
	1996	12.17742	172	28	20.3	4.0	16.3	11.8	16.8	12.1	21.5	0.041
	1997	12.02517	183	24	22.4	4.2	13.1	12.2	12.9	8.5	17.3	0.386
	1998	12.06405	174	26	24.8	4.4	14.9	14.3	12.6	8.5	16.8	0.430
Model B	All Years	12.10683	459	71	64.1	6.3	15.5	14.0	13.4	11.1	15.7	0.155
	1996	12.18490	104	21	15.2	3.0	20.2	14.6	16.9	12.1	21.6	0.042
	1997	12.03332	183	24	24.1	3.8	13.1	13.2	12.0	8.2	15.7	0.549
	1998	12.10273	172	26	24.8	4.0	15.1	14.4	12.7	8.8	16.5	0.428



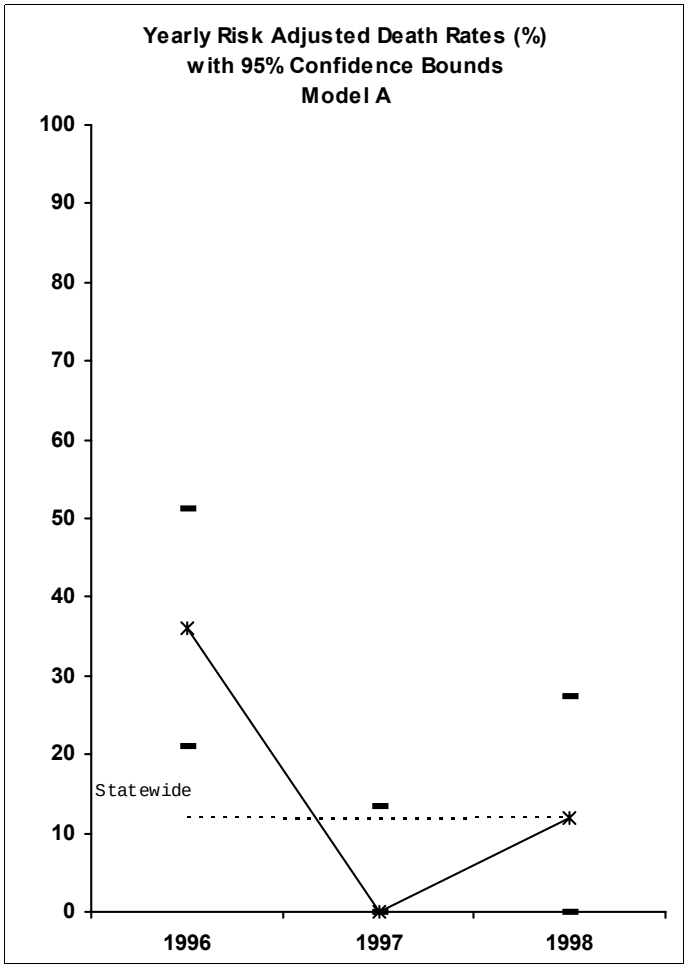


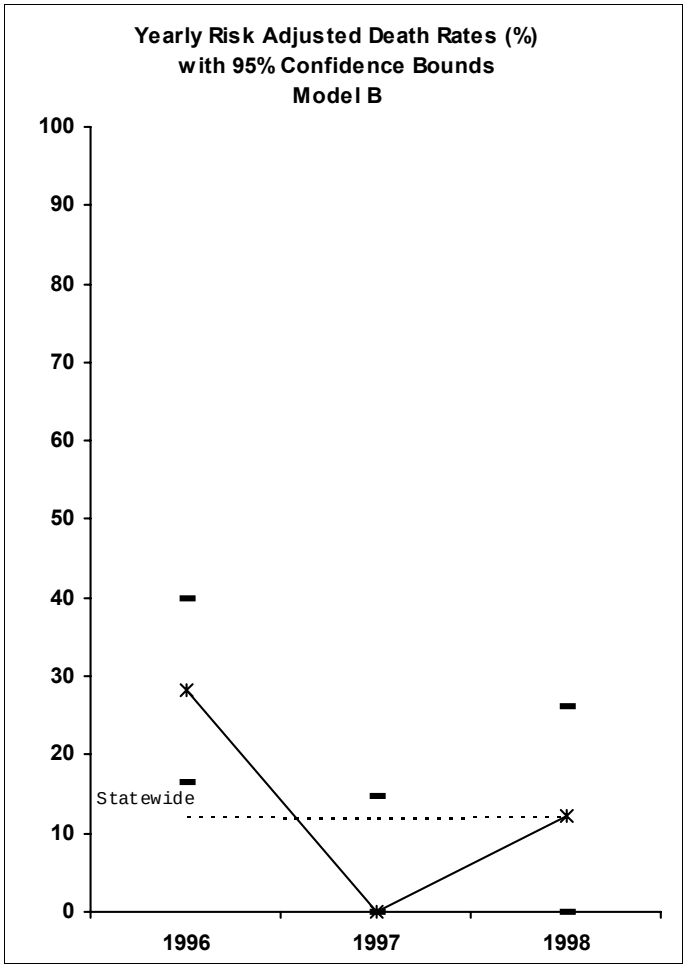
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Los Angeles County: East Los Angeles Doctor's Hospital

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	64	8	6.6	2.3	12.5	10.3	14.7	6.3	23.1	0.332
	1996	12.17742	17	6	2.0	1.3	35.3	11.9	36.2	21.0	51.4	0.008
	1997	12.02517	26	0	2.6	1.5	0.0	9.8	0.0	0.0	13.4	0.059
	1998	12.06405	21	2	2.0	1.3	9.5	9.6	12.0	0.0	27.4	0.676
Model B	All Years	12.10683	64	8	6.6	2.1	12.5	10.3	14.7	7.0	22.4	0.323
	1996	12.18490	17	6	2.6	1.3	35.3	15.3	28.2	16.5	39.8	0.014
	1997	12.03332	26	0	2.0	1.3	0.0	7.7	0.0	0.0	14.7	0.100
	1998	12.10273	21	2	2.0	1.2	9.5	9.5	12.2	0.0	26.3	0.634



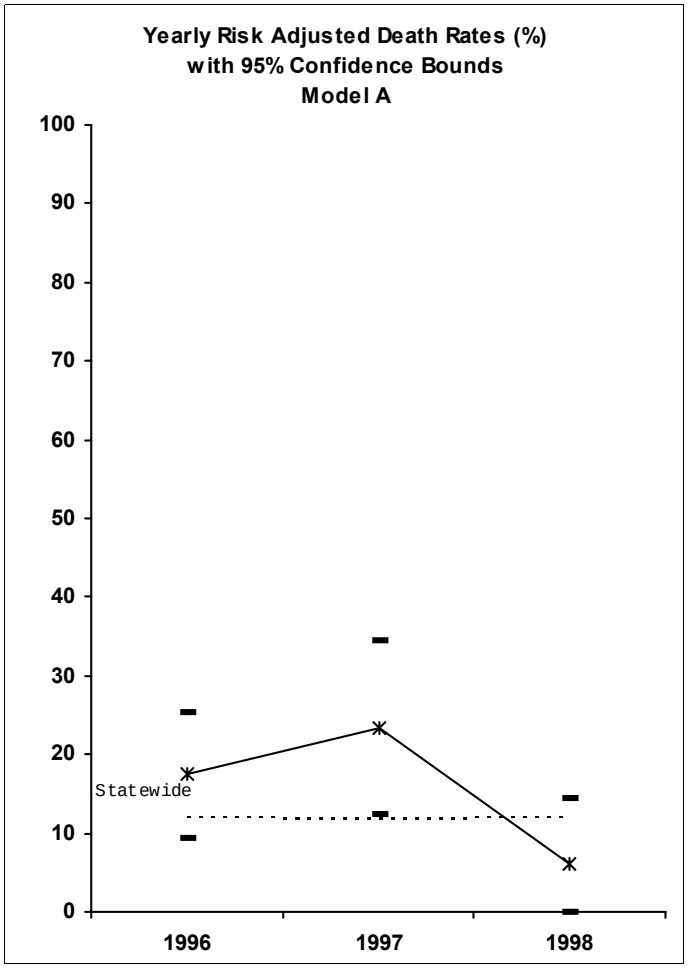


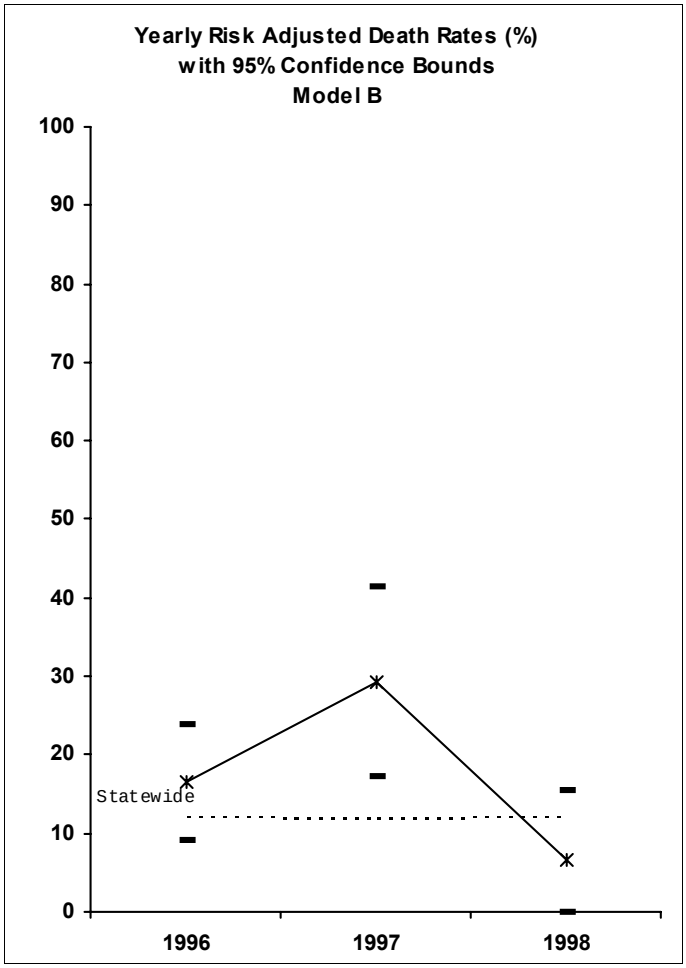
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Los Angeles County: Encino Tarzana Regional Med Center - Encino

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	93	19	15.9	3.5	20.4	17.1	14.4	9.3	19.6	0.224
	1996	12.17742	32	9	6.3	2.1	28.1	19.7	17.4	9.3	25.5	0.150
	1997	12.02517	26	7	3.6	1.7	26.9	13.8	23.5	12.5	34.4	0.048
	1998	12.06405	35	3	6.0	2.2	8.6	17.2	6.0	0.0	14.5	0.118
Model B	All Years	12.10683	93	19	14.9	3.2	20.4	16.0	15.5	10.4	20.6	0.130
	1996	12.18490	32	9	6.6	2.0	28.1	20.7	16.6	9.3	23.9	0.173
	1997	12.03332	26	7	2.9	1.5	26.9	11.1	29.3	17.2	41.4	0.012
	1998	12.10273	35	3	5.4	2.0	8.6	15.4	6.7	0.0	15.4	0.169



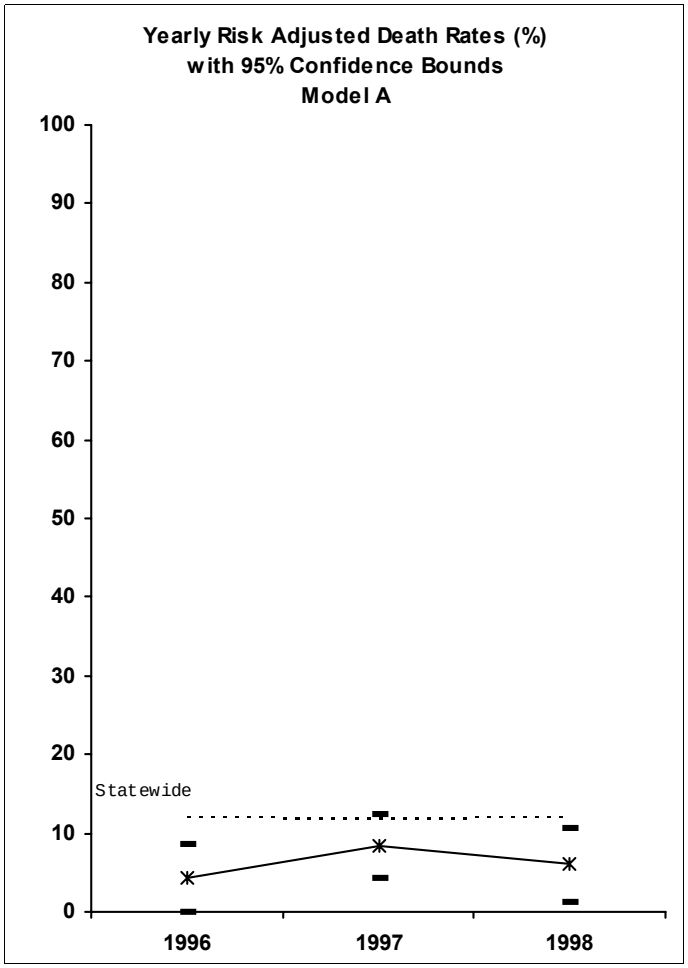


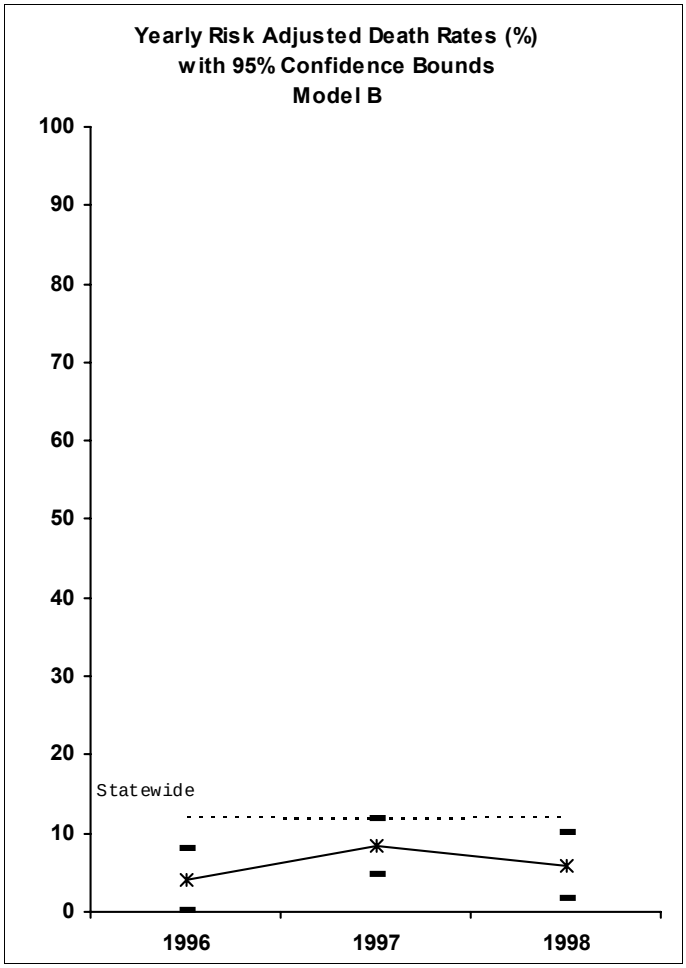
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Los Angeles County: Encino Tarzana Regional Med Center - Tarzana

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	502	36	68.8	7.3	7.2	13.7	6.3	3.8	8.8	0.000
	1996	12.17742	163	8	23.0	4.2	4.9	14.1	4.2	0.0	8.6	0.000
	1997	12.02517	178	18	25.7	4.4	10.1	14.5	8.4	4.4	12.4	0.045
	1998	12.06405	161	10	20.1	4.0	6.2	12.5	6.0	1.3	10.7	0.005
Model B	All Years	12.10683	502	36	69.8	6.7	7.2	13.9	6.2	4.0	8.5	0.000
	1996	12.18490	163	8	23.5	3.9	4.9	14.4	4.2	0.2	8.1	0.000
	1997	12.03332	178	18	25.8	4.0	10.1	14.5	8.4	4.7	12.1	0.031
	1998	12.10273	161	10	20.5	3.7	6.2	12.7	5.9	1.7	10.1	0.002



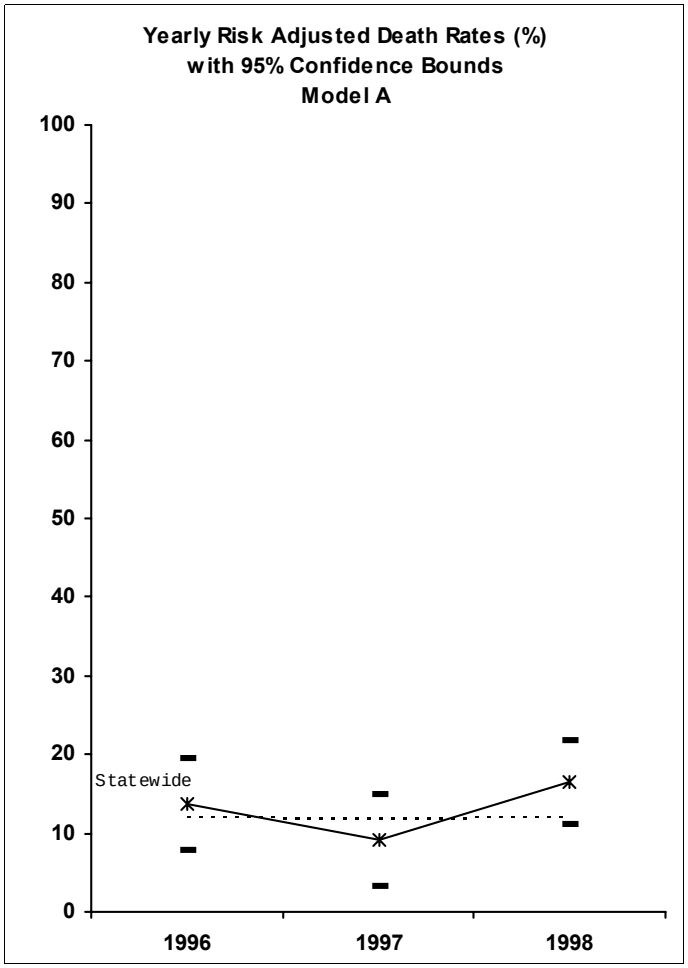


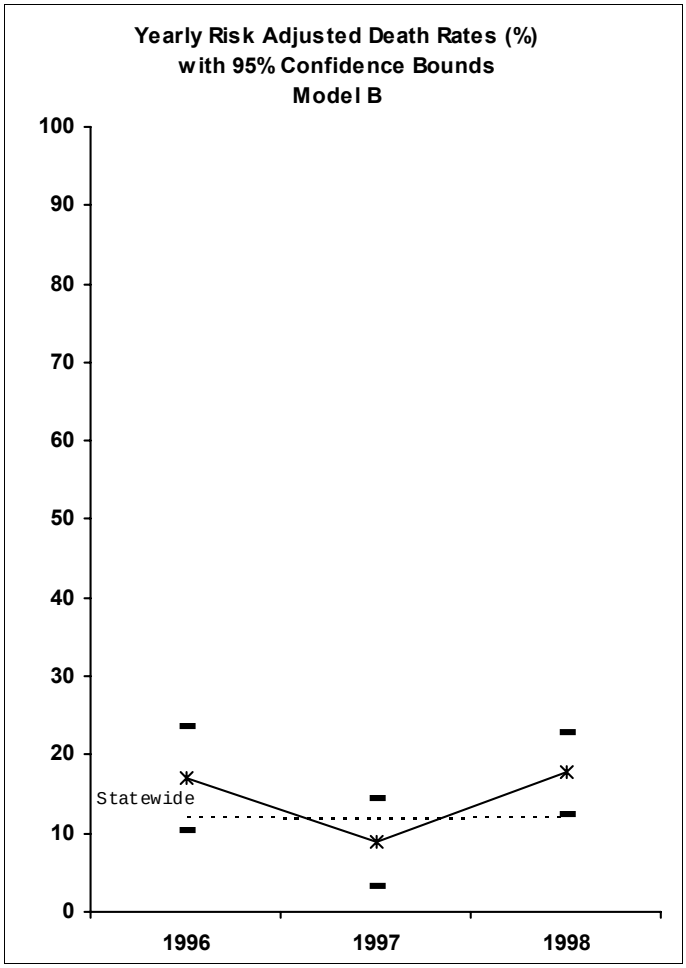
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Los Angeles County: Foothill Presbyterian Hospital

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	307	44	40.2	5.6	14.3	13.1	13.2	10.0	16.5	0.274
	1996	12.17742	94	14	12.4	3.1	14.9	13.2	13.7	7.8	19.6	0.352
	1997	12.02517	106	10	13.1	3.2	9.4	12.4	9.2	3.4	15.0	0.212
	1998	12.06405	107	20	14.7	3.3	18.7	13.7	16.4	11.0	21.8	0.078
Model B	All Years	12.10683	303	43	35.9	5.0	14.2	11.8	14.5	11.2	17.8	0.096
	1996	12.18490	92	14	10.0	2.7	15.2	10.9	17.0	10.5	23.6	0.104
	1997	12.03332	104	9	12.2	2.9	8.7	11.7	8.9	3.2	14.5	0.179
	1998	12.10273	107	20	13.7	3.0	18.7	12.8	17.7	12.5	22.9	0.030



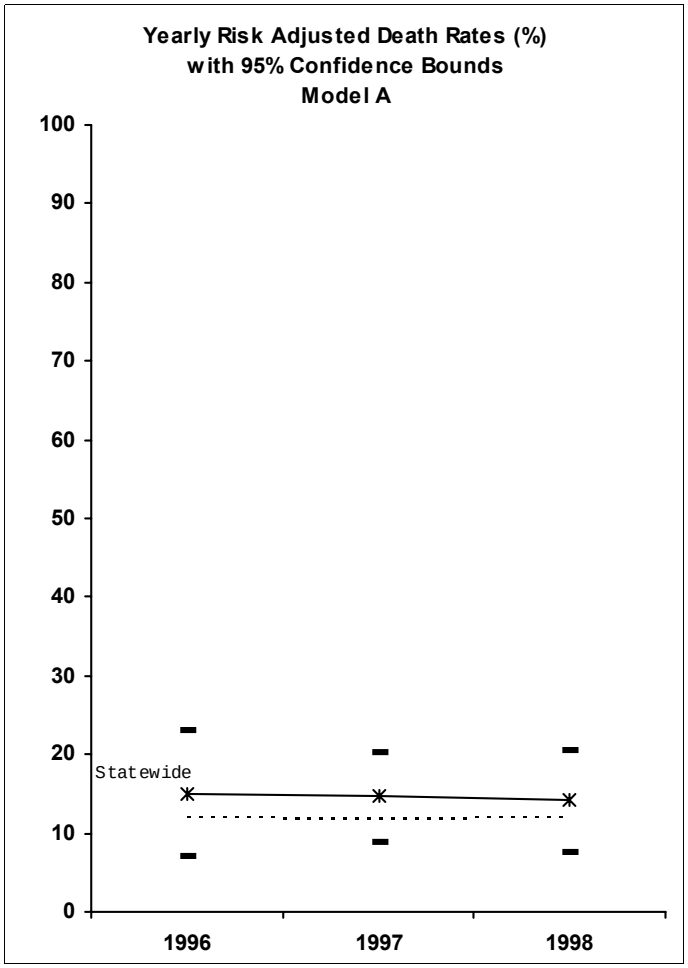


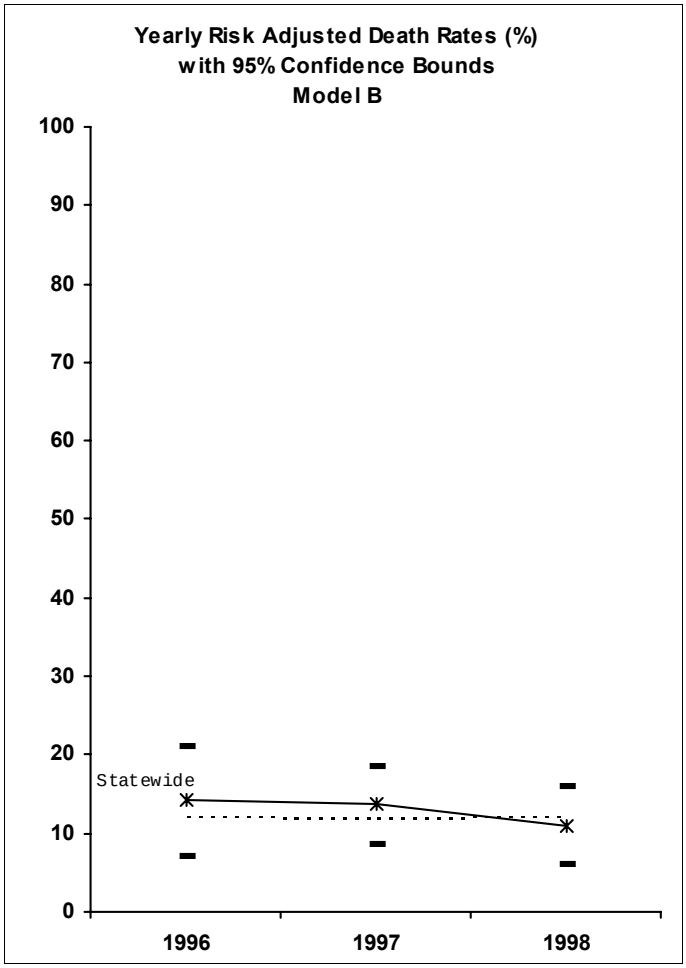
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Los Angeles County: Garfield Medical Center

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	242	37	30.7	4.9	15.3	12.7	14.5	10.8	18.3	0.122
	1996	12.17742	59	9	7.3	2.4	15.3	12.3	15.0	7.1	23.0	0.297
	1997	12.02517	90	15	12.4	3.0	16.7	13.7	14.6	8.8	20.4	0.233
	1998	12.06405	93	13	11.1	3.0	14.0	11.9	14.1	7.7	20.5	0.312
Model B	All Years	12.10683	242	37	35.3	4.6	15.3	14.6	12.7	9.6	15.8	0.389
	1996	12.18490	59	9	7.7	2.3	15.3	13.1	14.2	7.2	21.2	0.352
	1997	12.03332	90	15	13.2	2.8	16.7	14.7	13.7	8.7	18.6	0.313
	1998	12.10273	93	13	14.3	3.0	14.0	15.4	11.0	6.0	15.9	0.400



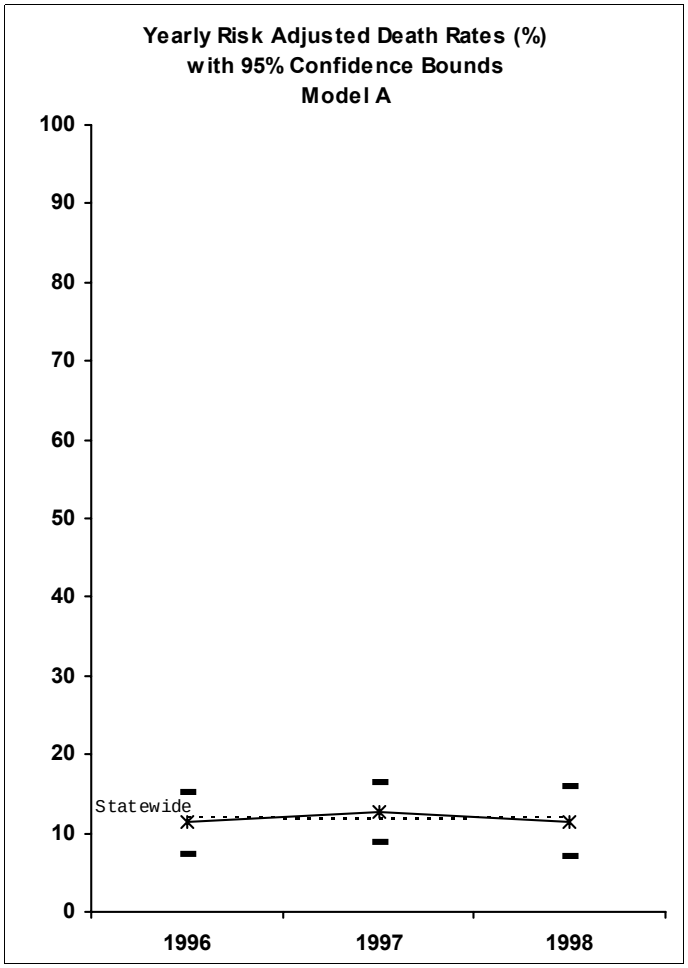


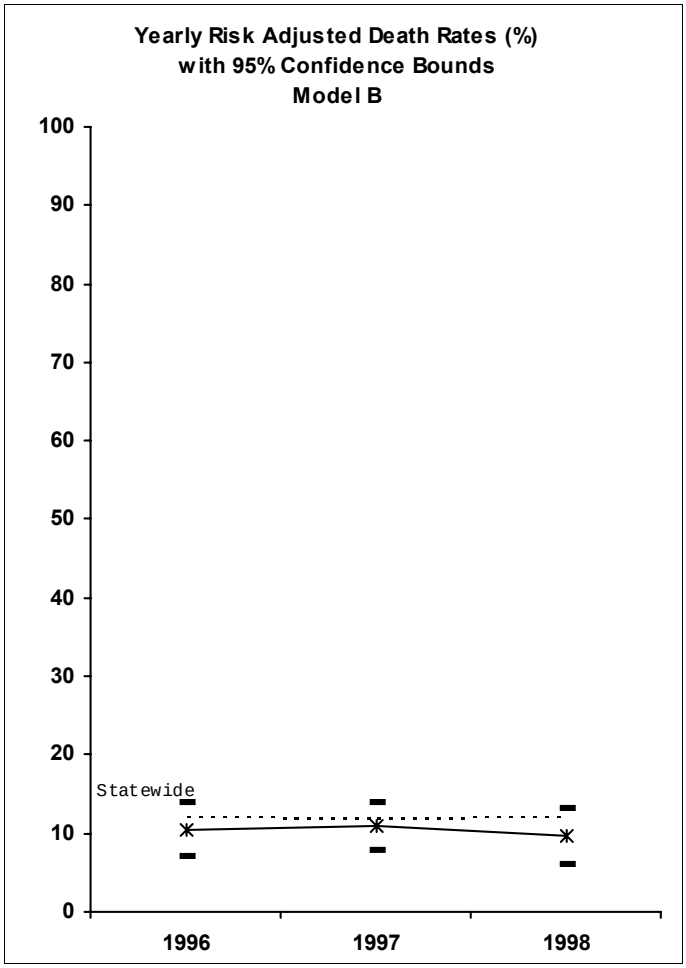
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Los Angeles County: Glendale Adventist Medical Center

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	561	77	78.2	7.7	13.7	13.9	11.9	9.6	14.2	0.468
	1996	12.17742	192	26	27.9	4.5	13.5	14.5	11.4	7.5	15.3	0.389
	1997	12.02517	203	30	28.4	4.6	14.8	14.0	12.7	8.9	16.5	0.398
	1998	12.06405	166	21	21.9	4.1	12.7	13.2	11.5	7.1	16.0	0.467
Model B	All Years	12.10683	559	76	88.2	7.2	13.6	15.8	10.4	8.5	12.4	0.050
	1996	12.18490	191	25	29.0	4.2	13.1	15.2	10.5	7.0	14.0	0.204
	1997	12.03332	202	30	33.1	4.4	14.9	16.4	10.9	7.8	14.0	0.275
	1998	12.10273	166	21	26.1	3.9	12.7	15.7	9.7	6.2	13.3	0.116



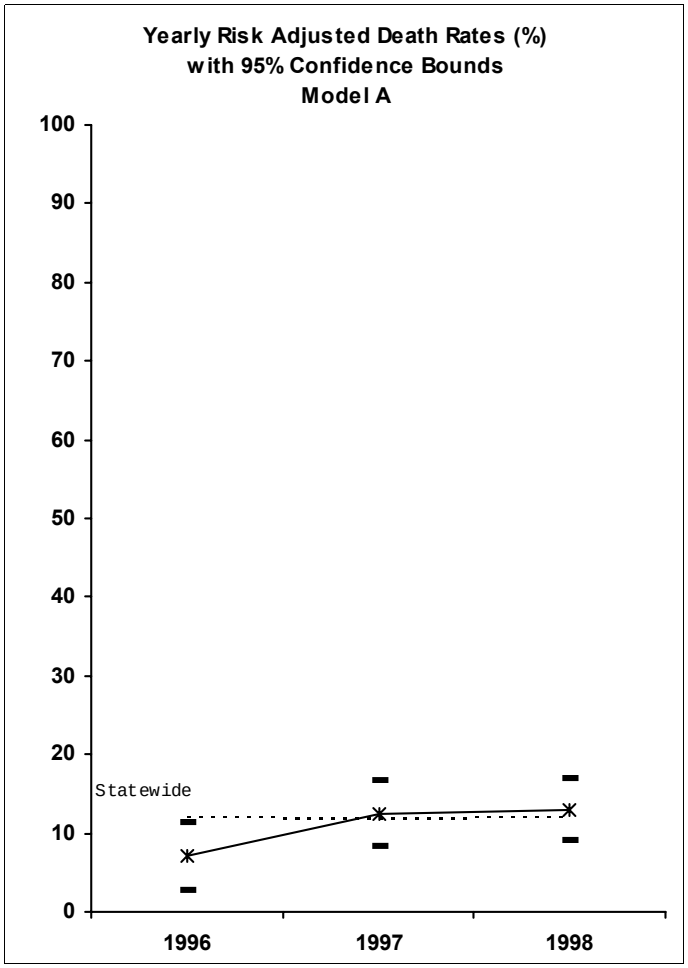


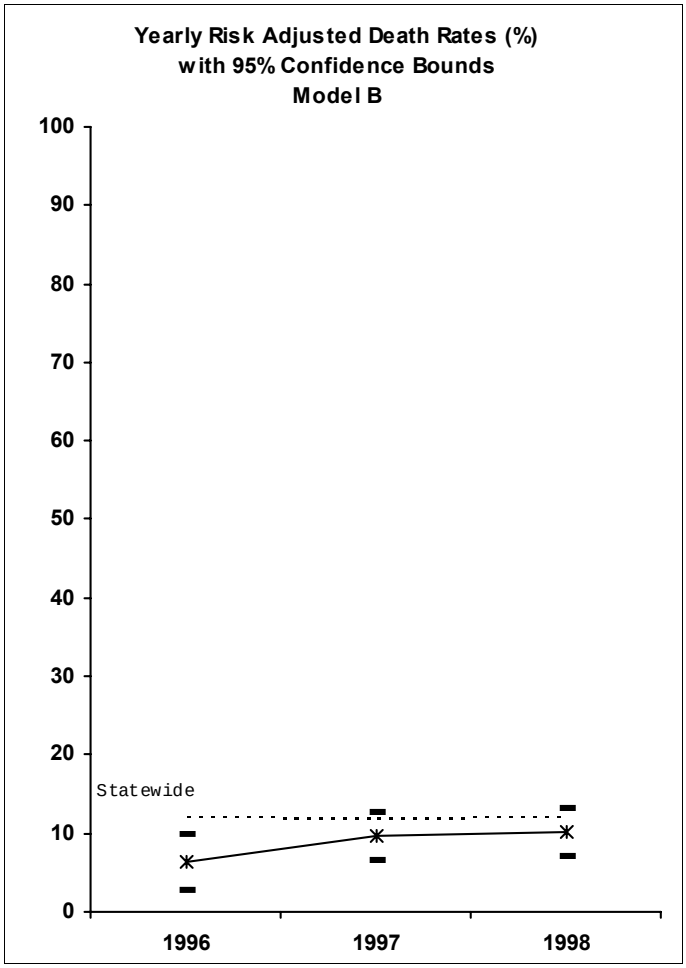
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Los Angeles County: Glendale Memorial Hospital and Health Center

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	524	68	75.0	7.5	13.0	14.3	11.0	8.6	13.3	0.193
	1996	12.17742	164	14	24.0	4.3	8.5	14.7	7.1	2.9	11.3	0.009
	1997	12.02517	178	25	24.1	4.2	14.0	13.5	12.5	8.3	16.6	0.452
	1998	12.06405	182	29	26.9	4.5	15.9	14.8	13.0	9.1	17.0	0.353
Model B	All Years	12.10683	520	68	92.6	7.2	13.1	17.8	8.9	7.1	10.7	0.000
	1996	12.18490	164	14	26.8	4.0	8.5	16.4	6.4	2.8	9.9	0.001
	1997	12.03332	176	25	31.1	4.0	14.2	17.7	9.7	6.6	12.7	0.078
	1998	12.10273	180	29	34.6	4.4	16.1	19.2	10.1	7.1	13.2	0.122



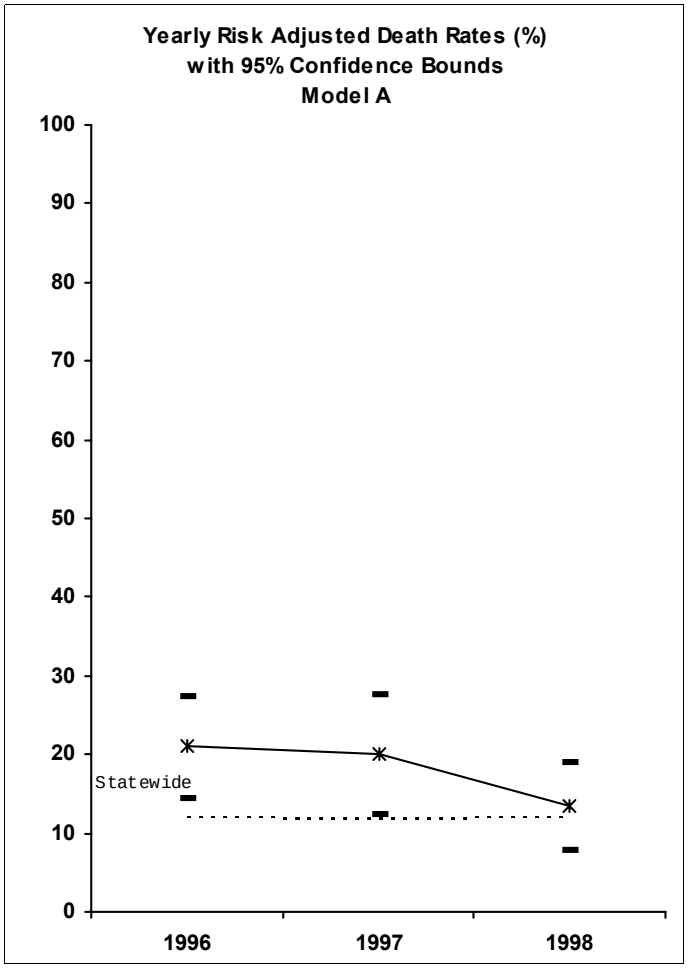


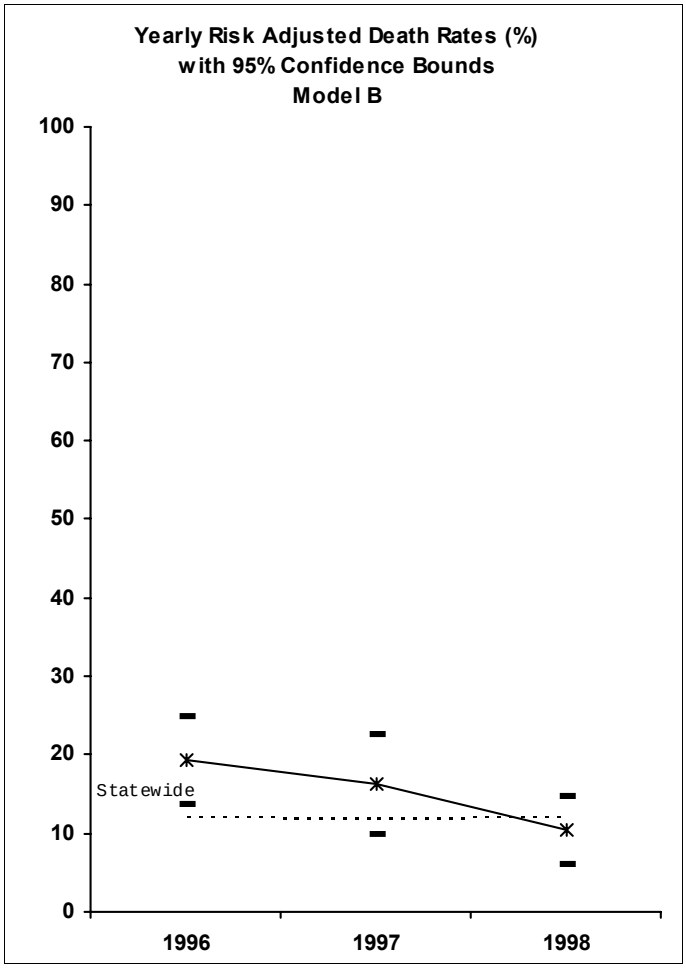
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Los Angeles County: Granada Hills Community Hospital‡

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	202	45	31.1	4.8	22.3	15.4	17.5	13.8	21.2	0.004
	1996	12.17742	69	18	10.5	2.8	26.1	15.2	20.9	14.5	27.4	0.009
	1997	12.02517	52	12	7.2	2.3	23.1	13.9	20.0	12.4	27.6	0.038
	1998	12.06405	81	15	13.4	3.2	18.5	16.6	13.5	7.9	19.0	0.359
Model B	All Years	12.10683	199	44	36.8	4.7	22.1	18.5	14.5	11.5	17.5	0.077
	1996	12.18490	69	18	11.3	2.7	26.1	16.4	19.4	13.8	25.1	0.013
	1997	12.03332	51	11	8.1	2.2	21.6	15.9	16.3	9.9	22.7	0.138
	1998	12.10273	79	15	17.4	3.2	19.0	22.0	10.4	6.1	14.7	0.278



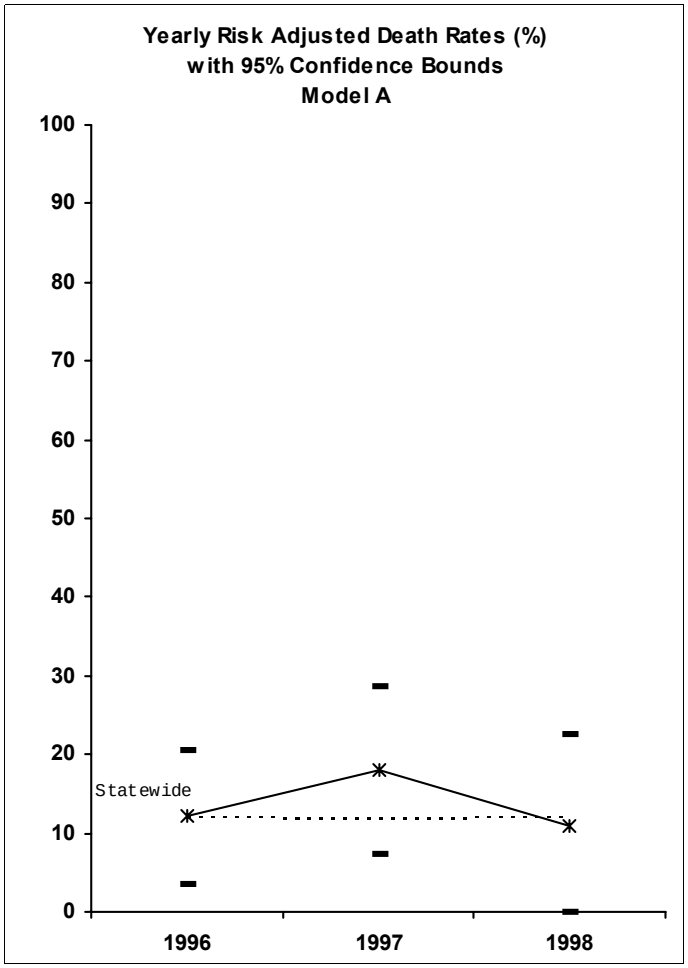


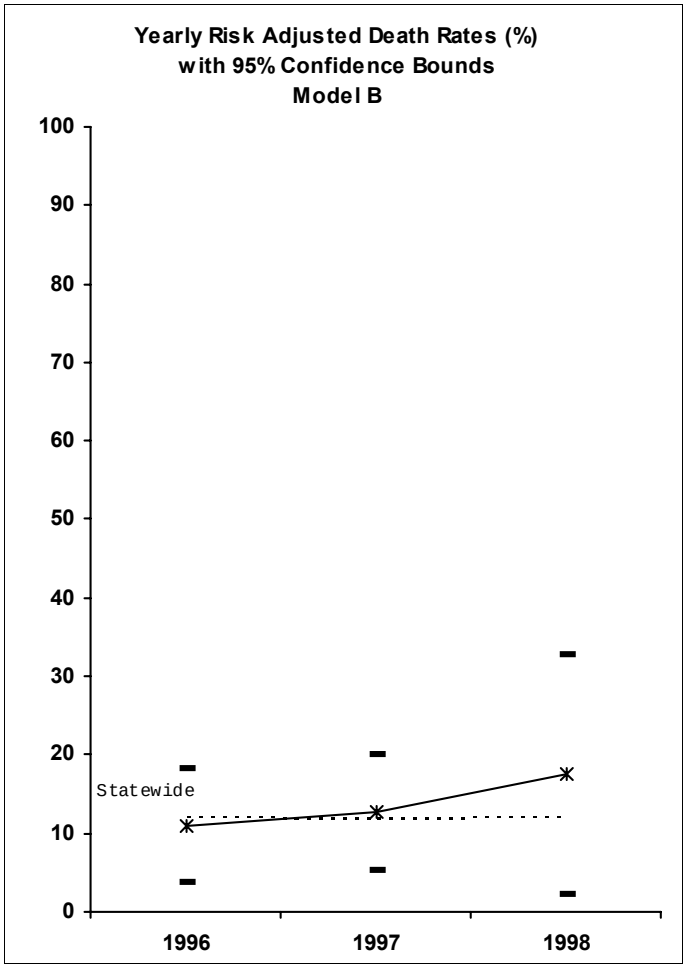
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Los Angeles County: Greater El Monte Community Hospital

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	113	15	13.4	3.3	13.3	11.8	13.6	7.8	19.3	0.353
	1996	12.17742	41	6	6.1	2.2	14.6	14.8	12.1	3.6	20.6	0.598
	1997	12.02517	38	6	4.0	1.8	15.8	10.5	18.1	7.4	28.8	0.197
	1998	12.06405	34	3	3.3	1.6	8.8	9.7	10.9	0.0	22.6	0.572
Model B	All Years	12.10683	113	15	14.4	3.0	13.3	12.7	12.6	7.7	17.5	0.477
	1996	12.18490	41	6	6.6	2.0	14.6	16.2	11.0	3.8	18.2	0.489
	1997	12.03332	38	6	5.7	1.8	15.8	15.0	12.6	5.3	20.0	0.531
	1998	12.10273	34	3	2.1	1.3	8.8	6.1	17.5	2.3	32.7	0.343



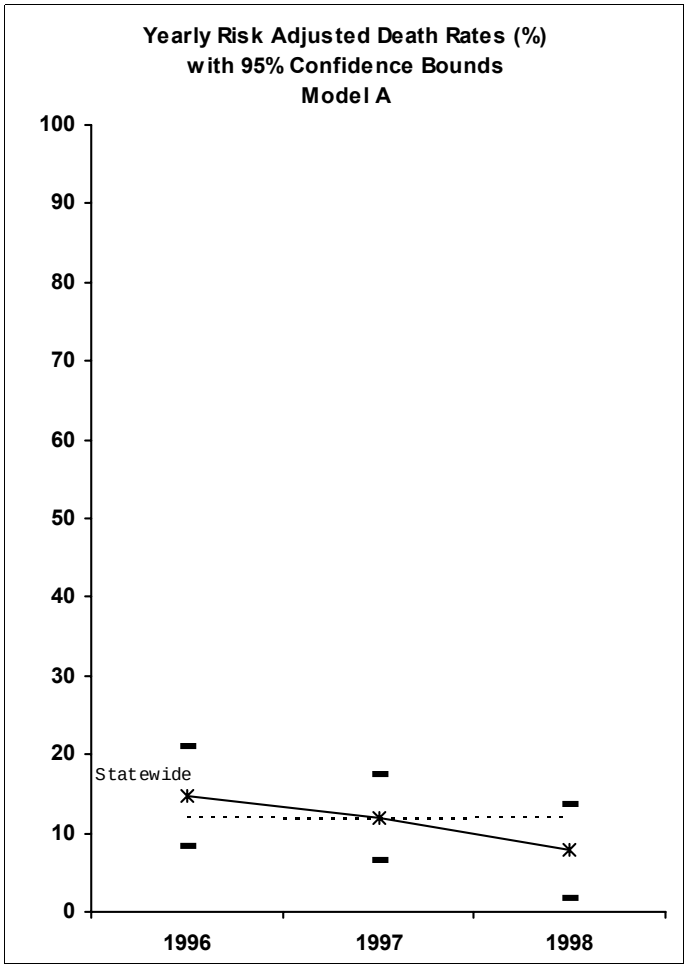


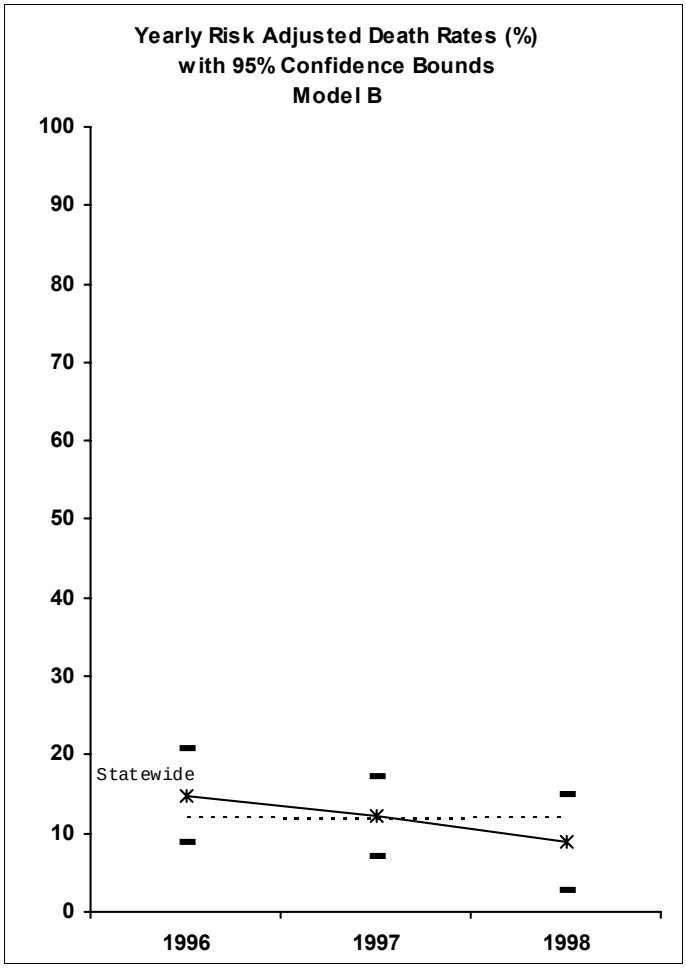
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Los Angeles County: Henry Mayo Newhall Memorial Hospital

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	390	37	39.0	5.6	9.5	10.0	11.5	8.1	14.9	0.399
	1996	12.17742	128	14	11.5	3.1	10.9	9.0	14.8	8.4	21.1	0.255
	1997	12.02517	137	15	15.0	3.5	10.9	11.0	12.0	6.6	17.4	0.565
	1998	12.06405	125	8	12.4	3.1	6.4	10.0	7.8	1.8	13.7	0.100
Model B	All Years	12.10683	387	37	37.2	5.1	9.6	9.6	12.0	8.8	15.3	0.527
	1996	12.18490	127	14	11.5	2.9	11.0	9.1	14.8	8.9	20.8	0.237
	1997	12.03332	136	15	14.8	3.2	11.0	10.9	12.2	7.1	17.3	0.530
	1998	12.10273	124	8	10.9	2.8	6.5	8.8	8.9	2.8	14.9	0.194



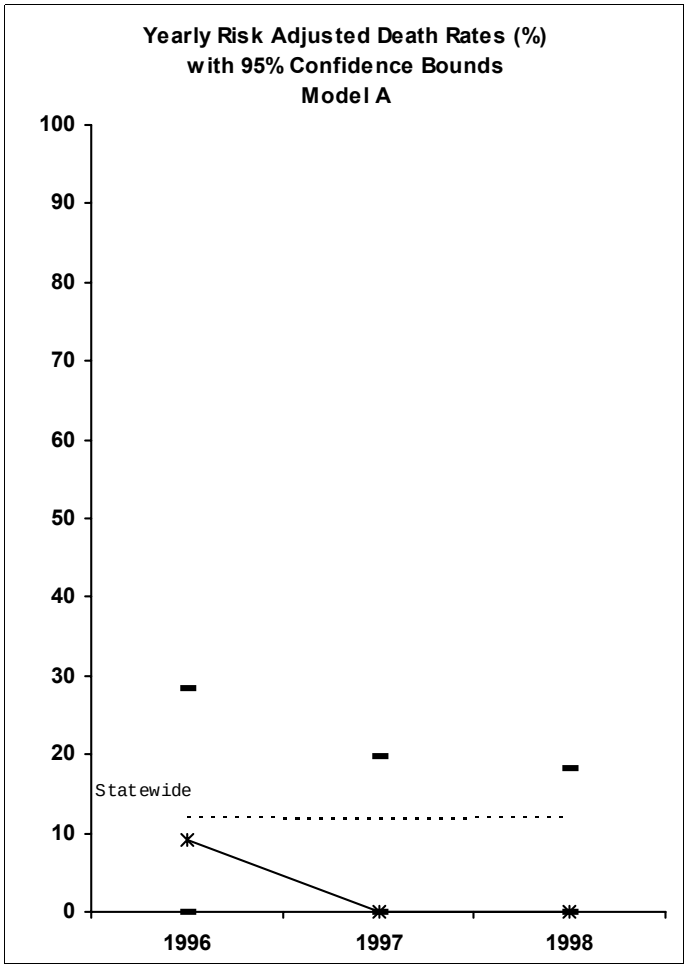


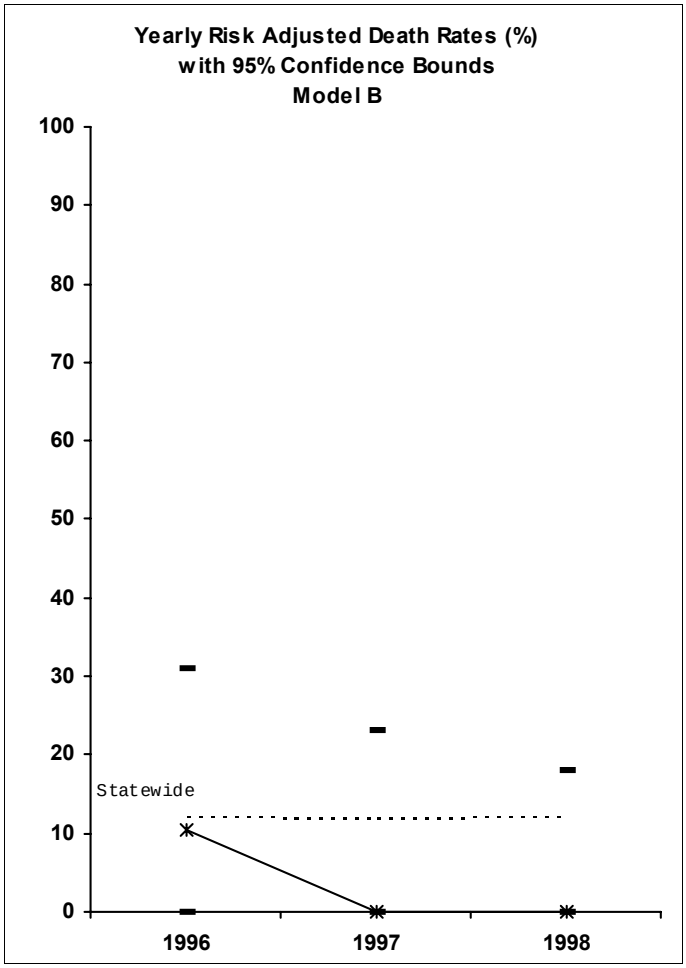
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Los Angeles County: Hollywood Community Hospital

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	34	1	3.8	1.8	2.9	11.2	3.2	0.0	14.2	0.085
	1996	12.17742	16	1	1.3	1.1	6.3	8.4	9.1	0.0	28.5	0.607
	1997	12.02517	10	0	1.2	1.0	0.0	11.8	0.0	0.0	19.7	0.271
	1998	12.06405	8	0	1.3	1.0	0.0	16.0	0.0	0.0	18.3	0.229
Model B	All Years	12.10683	34	1	3.3	1.6	2.9	9.7	3.7	0.0	15.4	0.130
	1996	12.18490	16	1	1.2	1.0	6.3	7.3	10.4	0.0	31.0	0.672
	1997	12.03332	10	0	0.9	0.9	0.0	8.7	0.0	0.0	23.1	0.385
	1998	12.10273	8	0	1.3	1.0	0.0	15.7	0.0	0.0	18.0	0.228



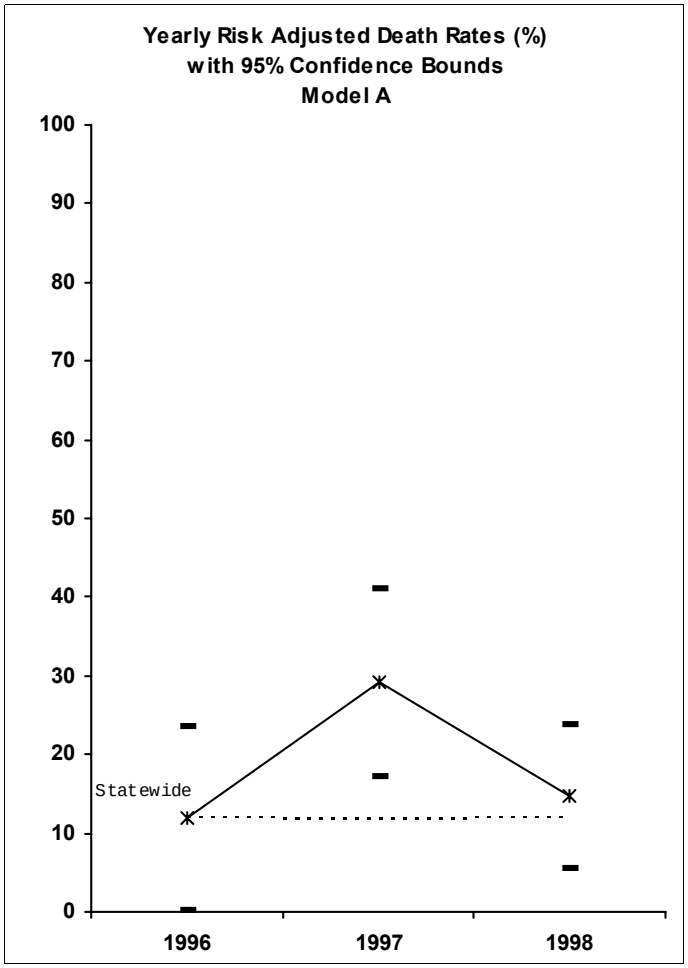


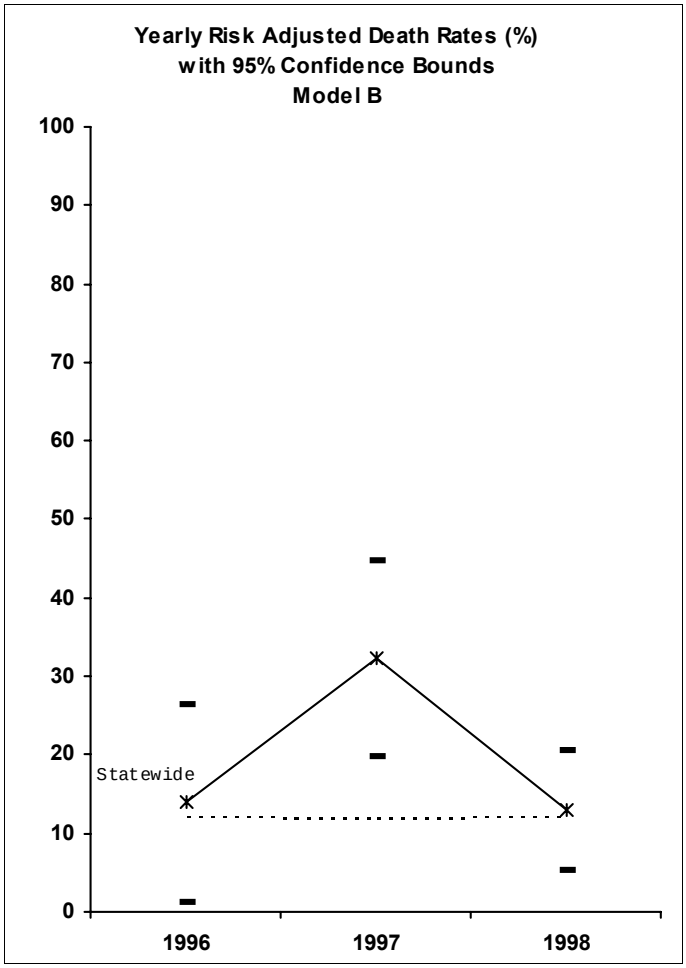
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Los Angeles County: Huntington East Valley Hospital

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	78	16	10.8	2.8	20.5	13.9	17.9	11.7	24.0	0.054
	1996	12.17742	21	3	3.1	1.5	14.3	14.6	11.9	0.2	23.7	0.637
	1997	12.02517	17	7	2.9	1.5	41.2	17.0	29.2	17.1	41.2	0.011
	1998	12.06405	40	6	4.9	1.9	15.0	12.2	14.8	5.7	23.9	0.358
Model B	All Years	12.10683	78	16	10.9	2.7	20.5	13.9	17.8	12.0	23.7	0.045
	1996	12.18490	21	3	2.6	1.4	14.3	12.5	14.0	1.4	26.6	0.507
	1997	12.03332	17	7	2.6	1.4	41.2	15.3	32.3	19.8	44.8	0.005
	1998	12.10273	40	6	5.6	1.8	15.0	14.1	12.9	5.3	20.5	0.517



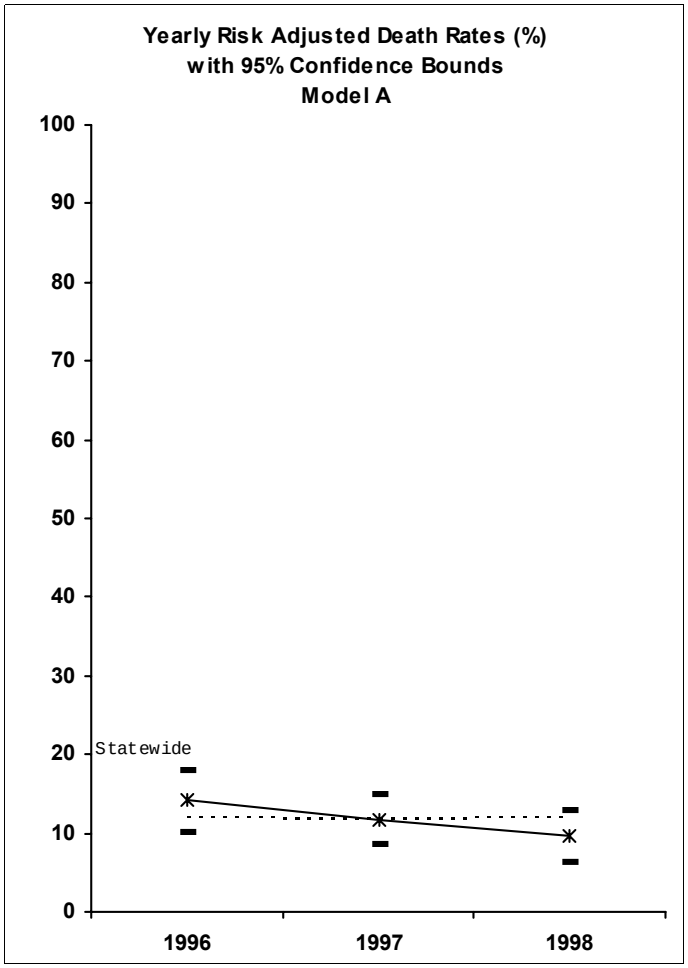


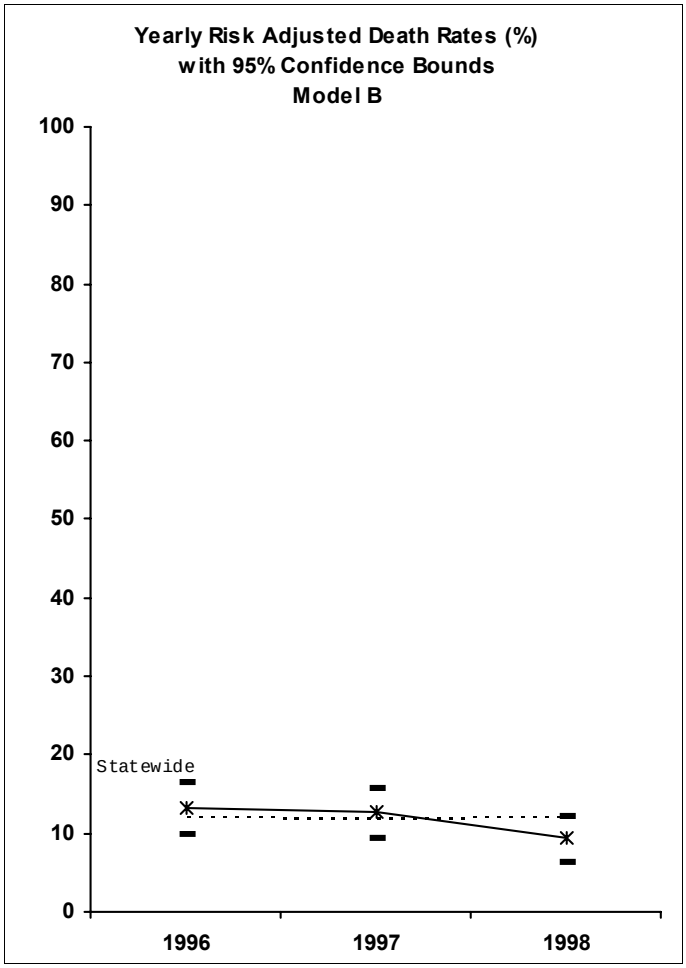
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Los Angeles County: Huntington Memorial Hospital‡

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	889	107	111.3	9.3	12.0	12.5	11.6	9.6	13.6	0.345
	1996	12.17742	247	35	30.2	4.8	14.2	12.2	14.1	10.3	17.9	0.188
	1997	12.02517	321	40	40.8	5.7	12.5	12.7	11.8	8.5	15.1	0.486
	1998	12.06405	321	32	40.3	5.6	10.0	12.5	9.6	6.3	12.9	0.080
Model B	All Years	12.10683	888	107	111.5	8.6	12.0	12.6	11.6	9.8	13.4	0.324
	1996	12.18490	247	35	32.2	4.5	14.2	13.0	13.3	9.9	16.6	0.298
	1997	12.03332	321	40	37.9	5.2	12.5	11.8	12.7	9.5	15.9	0.375
	1998	12.10273	320	32	41.4	5.2	10.0	12.9	9.4	6.4	12.3	0.040



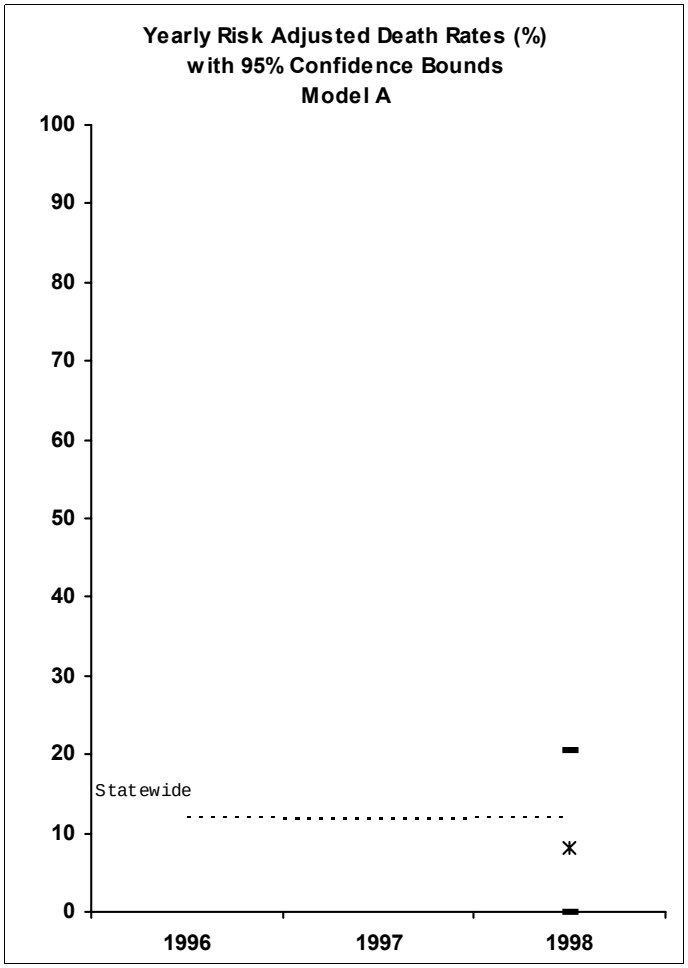


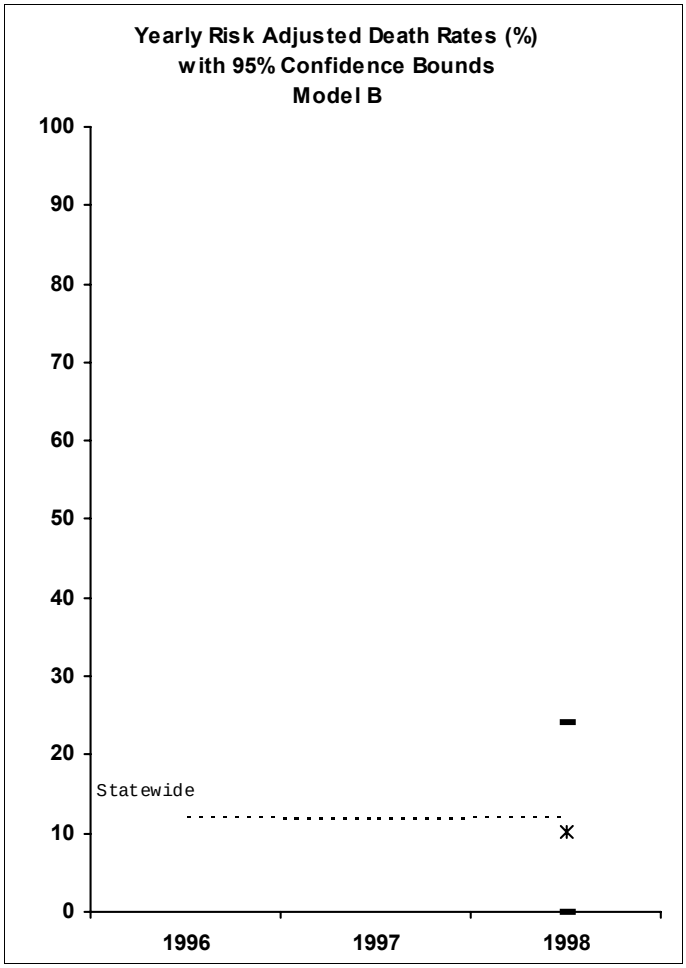
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Los Angeles County: Kaiser Foundation Hospital - Baldwin Park

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	29	2	2.9	1.5	6.9	10.1	8.3	0.0	20.7	0.418
	1996	12.17742	0									
	1997	12.02517	0									
	1998	12.06405	29	2	2.9	1.5	6.9	10.1	8.2	0.0	20.6	0.418
Model B	All Years	12.10683	29	2	2.4	1.4	6.9	8.2	10.2	0.0	24.1	0.567
	1996	12.18490	0									
	1997	12.03332	0									
	1998	12.10273	29	2	2.4	1.4	6.9	8.2	10.2	0.0	24.1	0.567



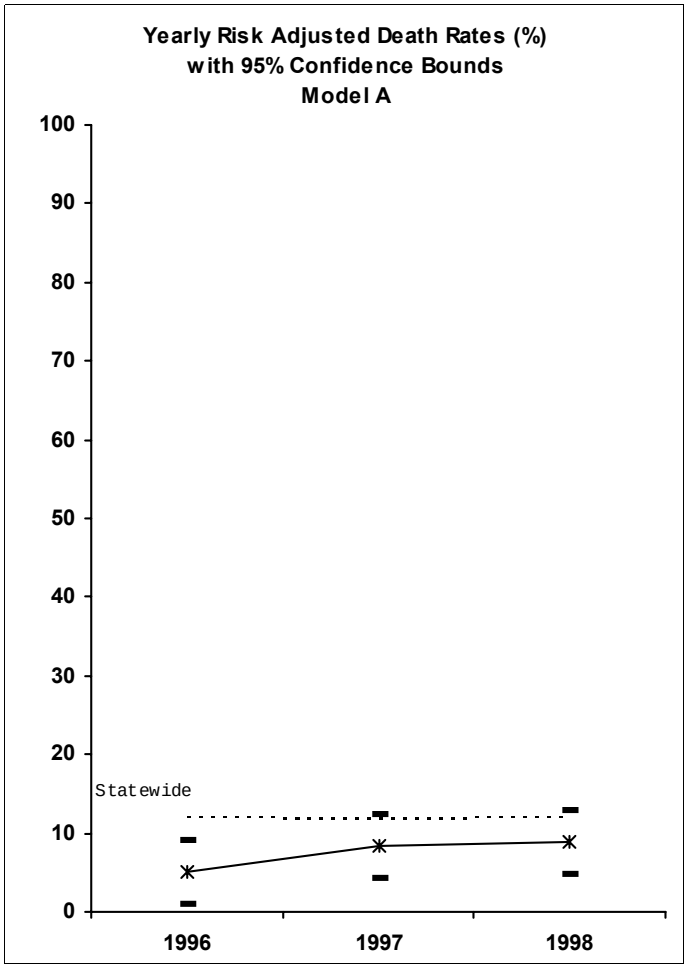


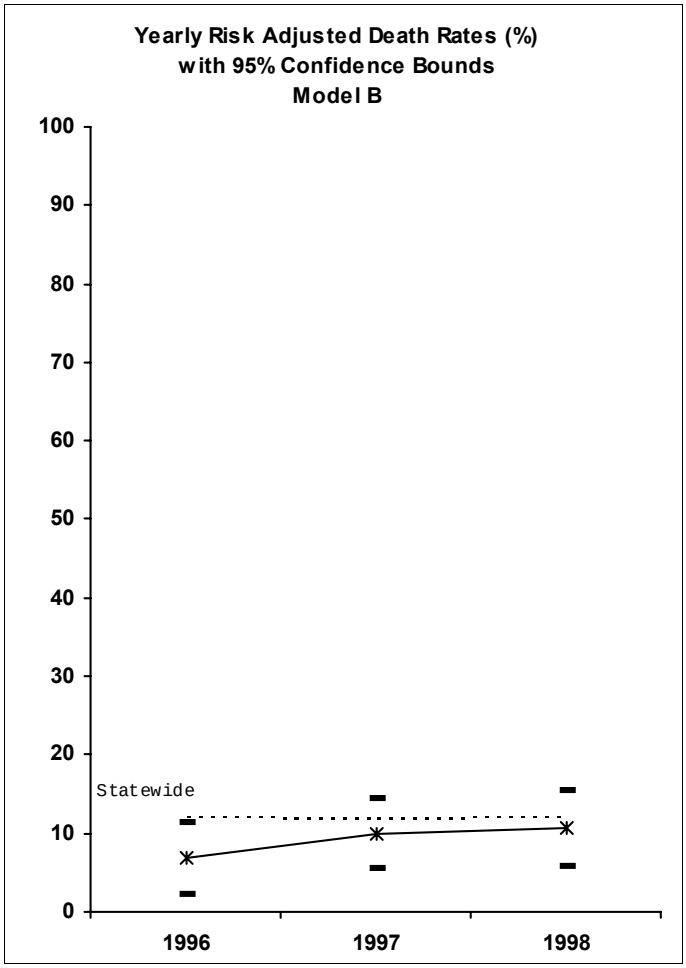
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Los Angeles County: Kaiser Foundation Hospital - Bellflower

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	950	52	84.7	8.3	5.5	8.9	7.4	5.1	9.7	0.000
	1996	12.17742	301	12	28.5	4.8	4.0	9.5	5.1	1.1	9.2	0.000
	1997	12.02517	329	19	27.6	4.8	5.8	8.4	8.3	4.2	12.4	0.041
	1998	12.06405	320	21	28.6	4.8	6.6	9.0	8.8	4.9	12.8	0.065
Model B	All Years	12.10683	882	47	62.4	7.0	5.3	7.1	9.1	6.5	11.8	0.014
	1996	12.18490	296	12	21.3	4.1	4.1	7.2	6.9	2.3	11.4	0.011
	1997	12.03332	322	18	21.8	4.1	5.6	6.8	9.9	5.5	14.4	0.214
	1998	12.10273	264	17	19.3	3.9	6.4	7.3	10.6	5.8	15.5	0.328



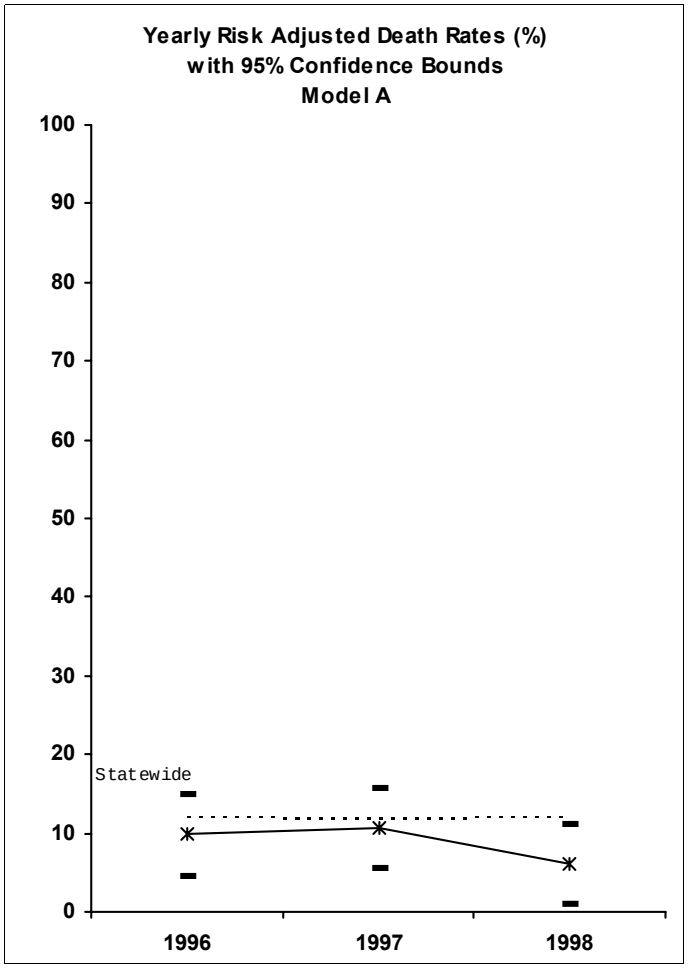


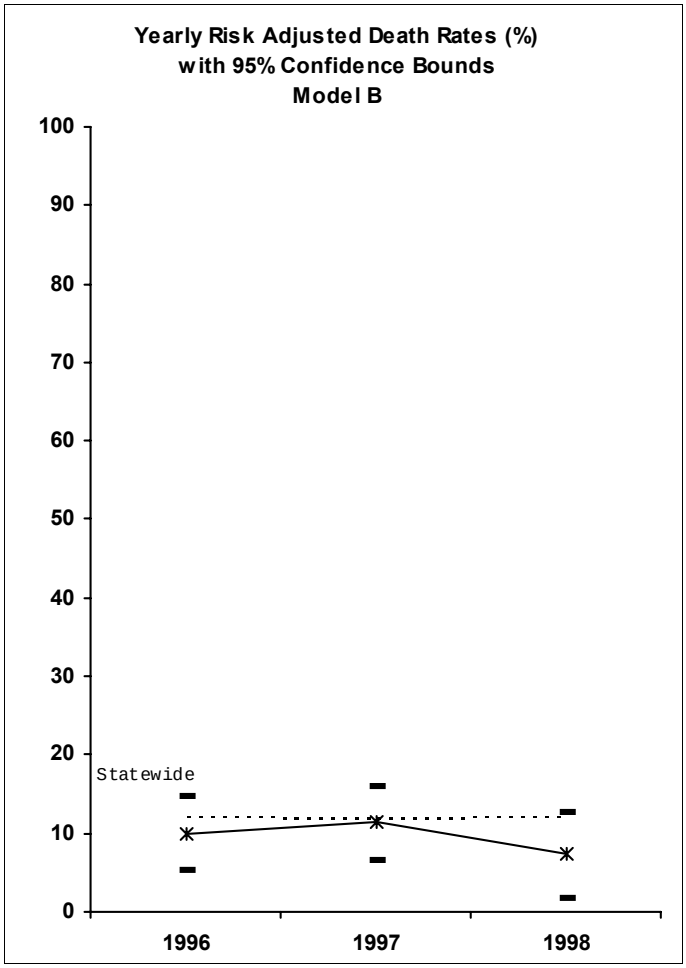
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Los Angeles County: Kaiser Foundation Hospital - Harbor City

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	570	38	52.3	6.5	6.7	9.2	8.8	5.8	11.7	0.014
	1996	12.17742	152	13	16.1	3.5	8.6	10.6	9.9	4.6	15.1	0.238
	1997	12.02517	214	16	18.2	3.9	7.5	8.5	10.6	5.6	15.6	0.343
	1998	12.06405	204	9	18.1	3.9	4.4	8.9	6.0	0.9	11.1	0.009
Model B	All Years	12.10683	569	38	47.6	5.7	6.7	8.4	9.7	6.8	12.5	0.052
	1996	12.18490	152	13	15.9	3.1	8.6	10.4	10.0	5.3	14.6	0.225
	1997	12.03332	213	16	16.9	3.4	7.5	8.0	11.4	6.6	16.1	0.459
	1998	12.10273	204	9	14.8	3.4	4.4	7.3	7.3	1.9	12.8	0.053



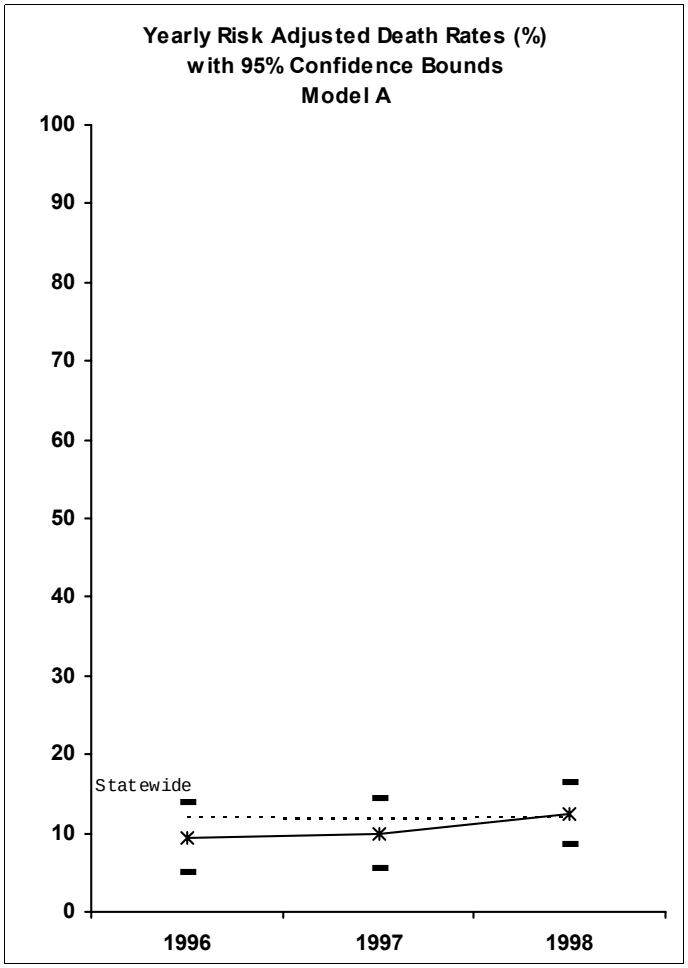


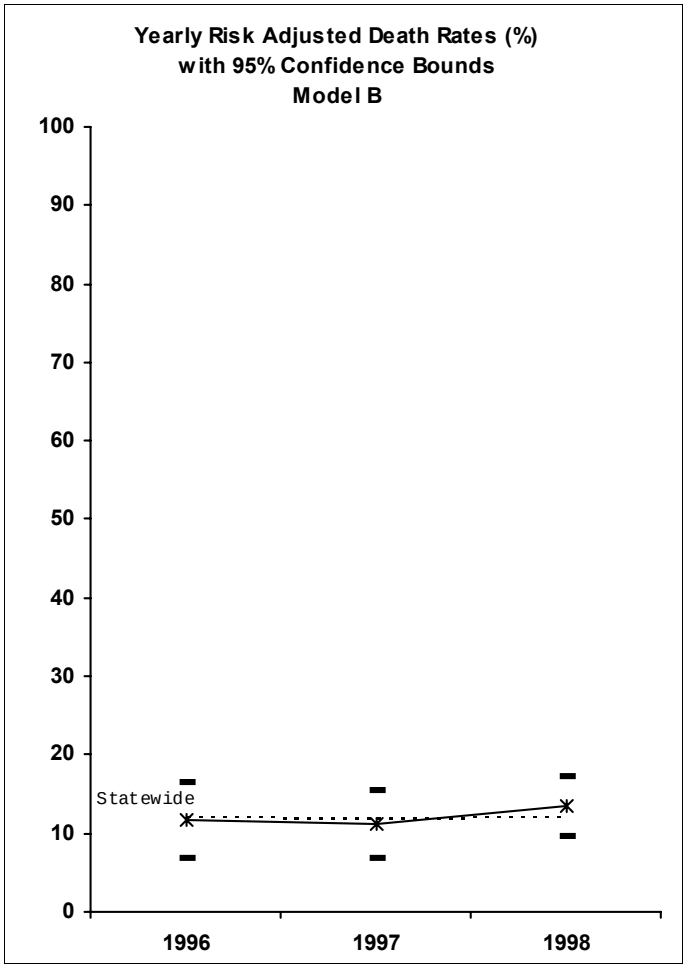
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Los Angeles County: Kaiser Foundation Hospital - Los Angeles

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	753	69	77.0	7.9	9.2	10.2	10.8	8.4	13.3	0.171
	1996	12.17742	260	19	24.4	4.5	7.3	9.4	9.5	5.1	13.9	0.136
	1997	12.02517	209	19	22.8	4.2	9.1	10.9	10.0	5.6	14.4	0.220
	1998	12.06405	284	31	29.8	4.9	10.9	10.5	12.6	8.7	16.4	0.435
Model B	All Years	12.10683	746	69	68.0	7.0	9.2	9.1	12.3	9.8	14.7	0.468
	1996	12.18490	259	19	19.8	3.9	7.3	7.6	11.7	7.0	16.4	0.483
	1997	12.03332	206	19	20.3	3.8	9.2	9.9	11.3	6.9	15.6	0.423
	1998	12.10273	281	31	27.9	4.5	11.0	9.9	13.4	9.6	17.2	0.278



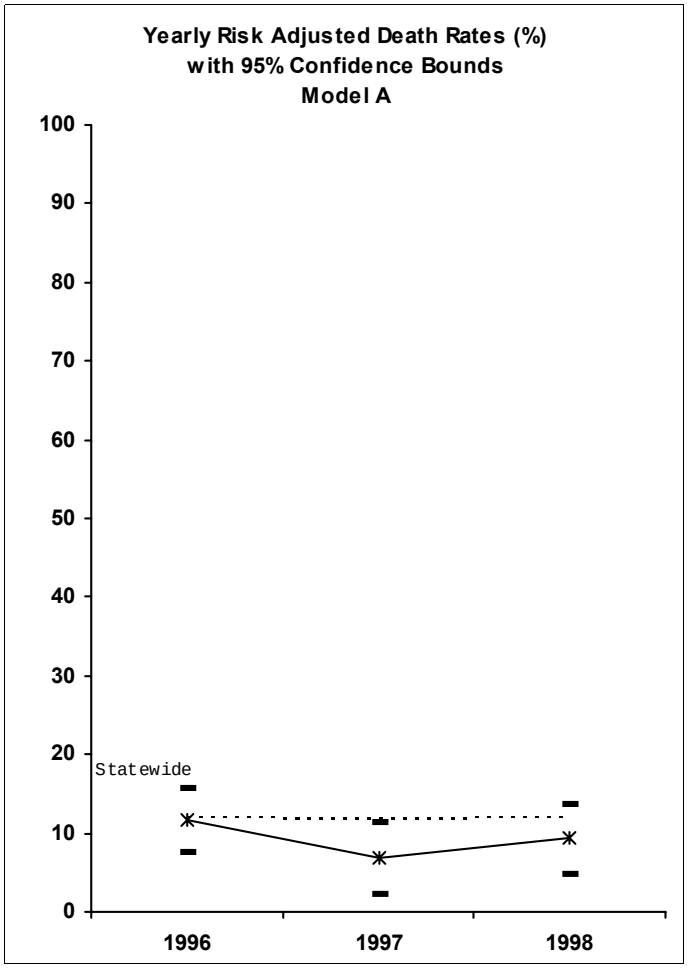


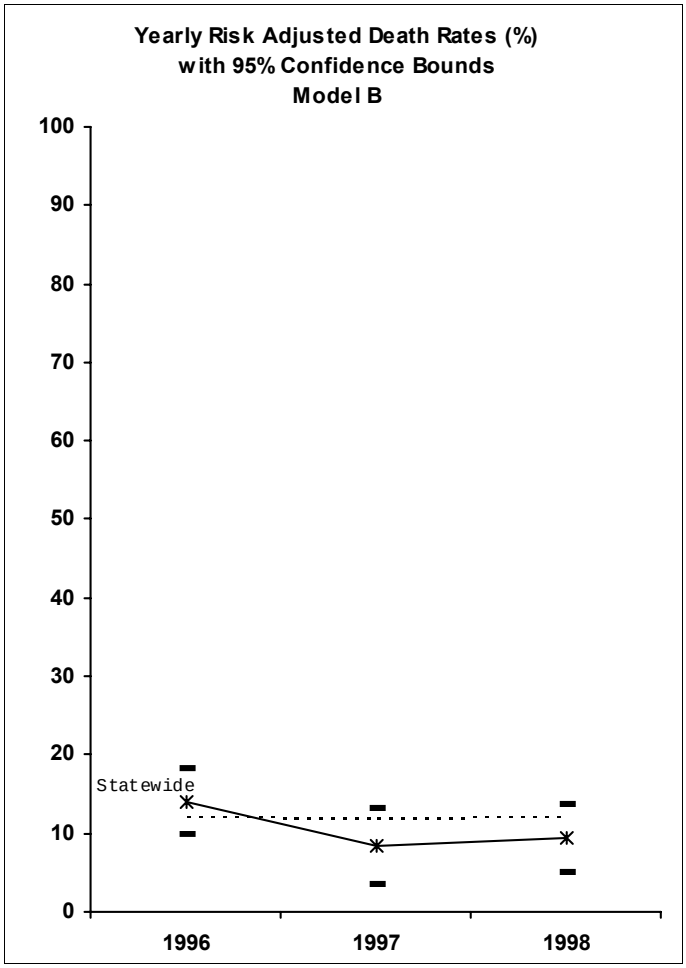
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Los Angeles County: Kaiser Foundation Hospital - Panorama City

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	653	55	70.2	7.4	8.4	10.8	9.5	7.0	12.0	0.021
	1996	12.17742	243	26	27.0	4.6	10.7	11.1	11.7	7.7	15.8	0.467
	1997	12.02517	209	12	21.2	4.1	5.7	10.1	6.8	2.2	11.4	0.013
	1998	12.06405	201	17	22.1	4.2	8.5	11.0	9.3	4.8	13.8	0.137
Model B	All Years	12.10683	642	54	60.6	6.5	8.4	9.4	10.8	8.2	13.3	0.175
	1996	12.18490	241	26	22.5	4.0	10.8	9.4	14.1	9.9	18.3	0.224
	1997	12.03332	206	12	17.4	3.5	5.8	8.4	8.3	3.5	13.1	0.080
	1998	12.10273	195	16	20.7	3.8	8.2	10.6	9.4	5.0	13.7	0.131



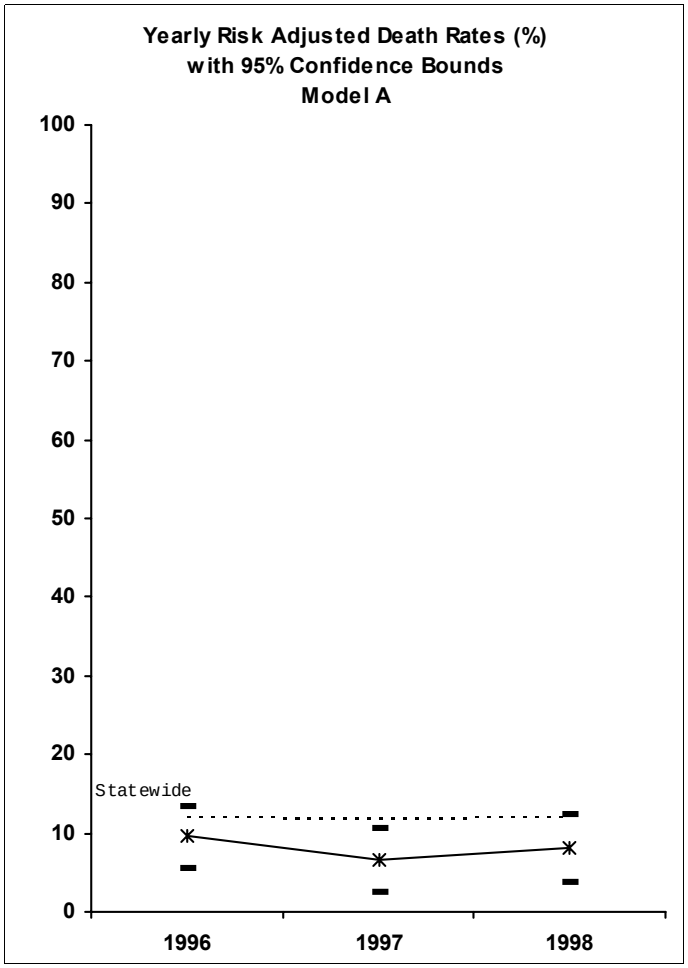


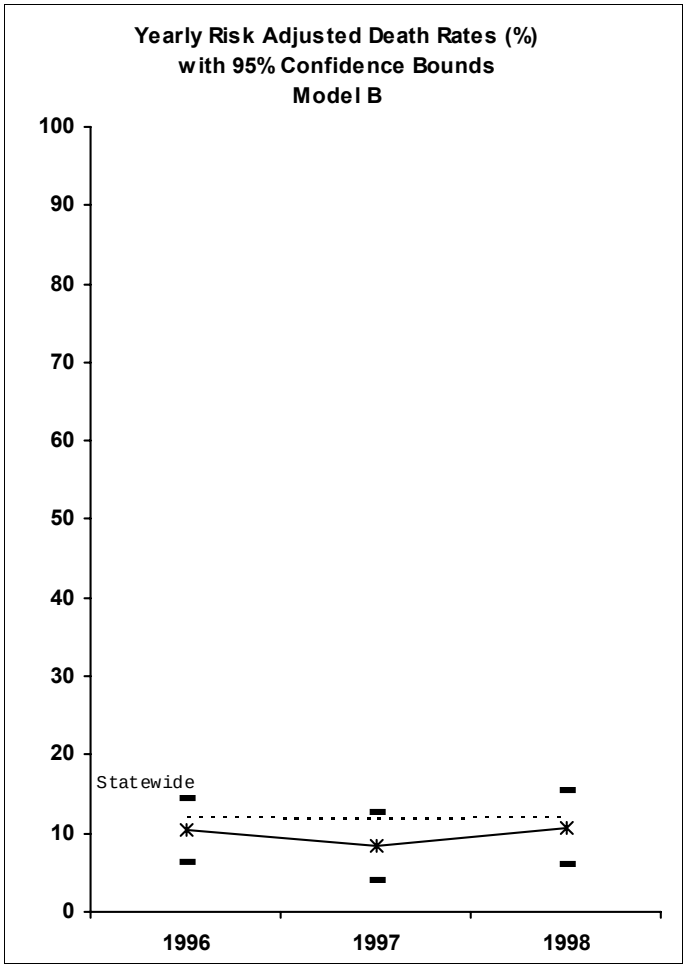
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Los Angeles County: Kaiser Foundation Hospital - West Los Angeles

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	655	51	76.3	7.7	7.8	11.6	8.1	5.7	10.5	0.000
	1996	12.17742	214	21	26.8	4.5	9.8	12.5	9.5	5.5	13.5	0.117
	1997	12.02517	228	14	25.4	4.4	6.1	11.1	6.6	2.5	10.7	0.005
	1998	12.06405	213	16	24.0	4.4	7.5	11.3	8.0	3.7	12.3	0.037
Model B	All Years	12.10683	643	50	61.3	6.5	7.8	9.5	9.9	7.4	12.4	0.046
	1996	12.18490	213	20	23.2	3.9	9.4	10.9	10.5	6.5	14.5	0.248
	1997	12.03332	225	14	20.1	3.8	6.2	8.9	8.4	4.0	12.8	0.064
	1998	12.10273	205	16	18.0	3.6	7.8	8.8	10.8	6.1	15.5	0.348



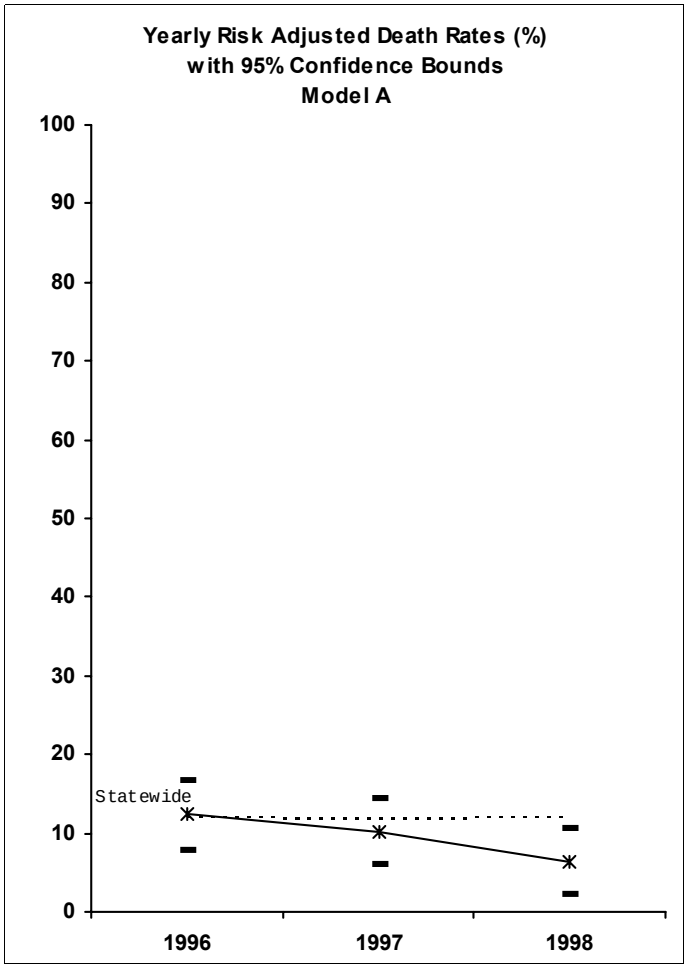


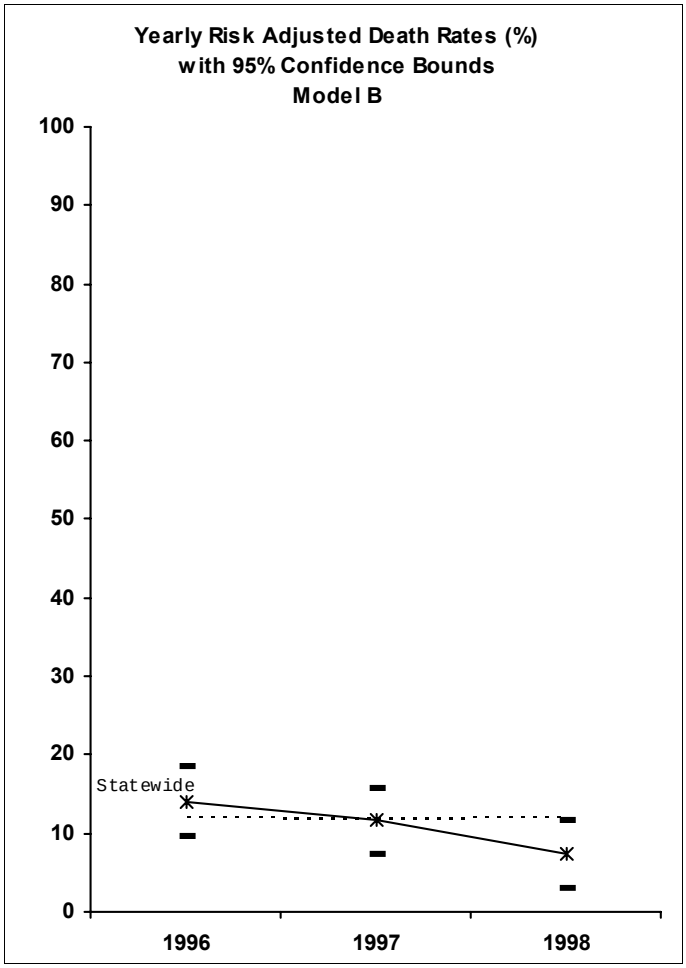
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Los Angeles County: Kaiser Foundation Hospital - Woodland Hills

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	727	59	74.0	7.7	8.1	10.2	9.6	7.2	12.1	0.027
	1996	12.17742	244	24	23.6	4.3	9.8	9.7	12.4	8.0	16.8	0.500
	1997	12.02517	247	22	25.9	4.6	8.9	10.5	10.2	6.1	14.4	0.230
	1998	12.06405	236	13	24.4	4.4	5.5	10.4	6.4	2.2	10.6	0.004
Model B	All Years	12.10683	724	59	65.0	6.8	8.1	9.0	11.0	8.5	13.5	0.209
	1996	12.18490	244	24	20.8	3.9	9.8	8.5	14.0	9.6	18.5	0.240
	1997	12.03332	245	22	22.8	4.0	9.0	9.3	11.6	7.4	15.8	0.477
	1998	12.10273	235	13	21.4	3.8	5.5	9.1	7.4	3.1	11.6	0.016



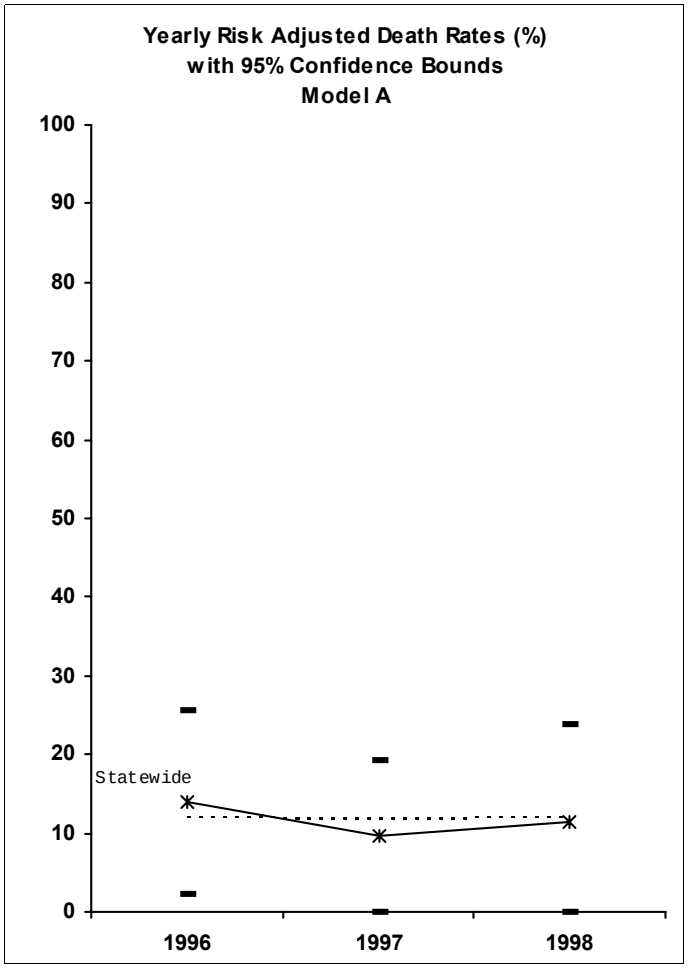


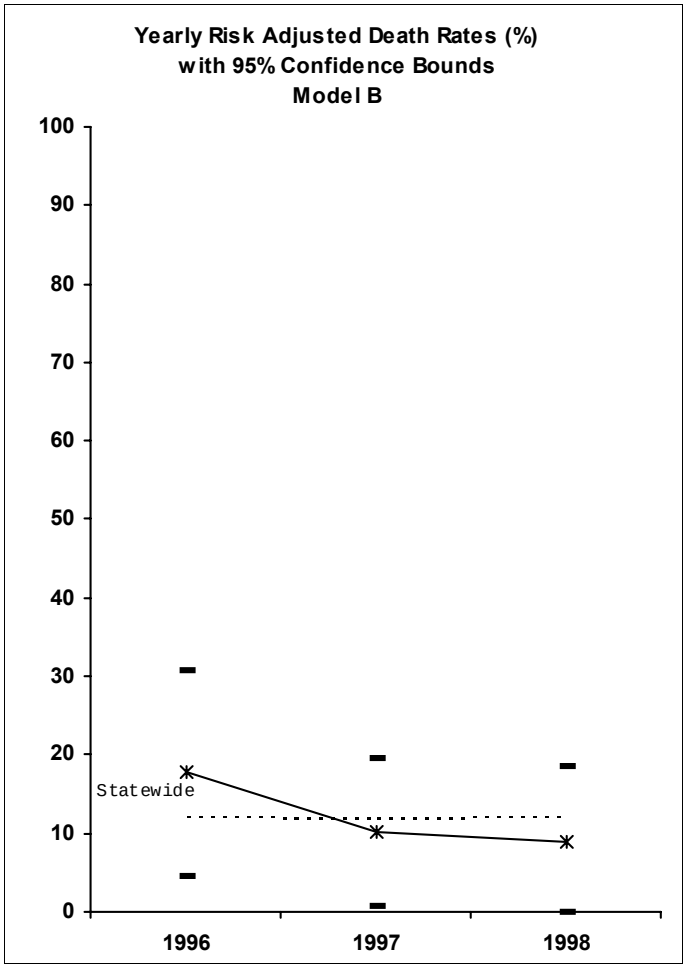
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Los Angeles County: L.A. Co/Olive View-UCLA Medical Center

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	146	11	11.7	3.1	7.5	8.0	11.4	5.0	17.8	0.495
	1996	12.17742	47	4	3.5	1.7	8.5	7.5	13.9	2.2	25.6	0.474
	1997	12.02517	50	4	5.0	2.0	8.0	9.9	9.7	0.1	19.3	0.431
	1998	12.06405	49	3	3.2	1.7	6.1	6.5	11.4	0.0	23.7	0.604
Model B	All Years	12.10683	146	11	11.6	2.9	7.5	7.9	11.5	5.5	17.5	0.502
	1996	12.18490	47	4	2.7	1.5	8.5	5.8	17.7	4.6	30.9	0.289
	1997	12.03332	50	4	4.7	1.9	8.0	9.5	10.2	0.7	19.6	0.470
	1998	12.10273	49	3	4.1	1.7	6.1	8.4	8.9	0.0	18.5	0.377



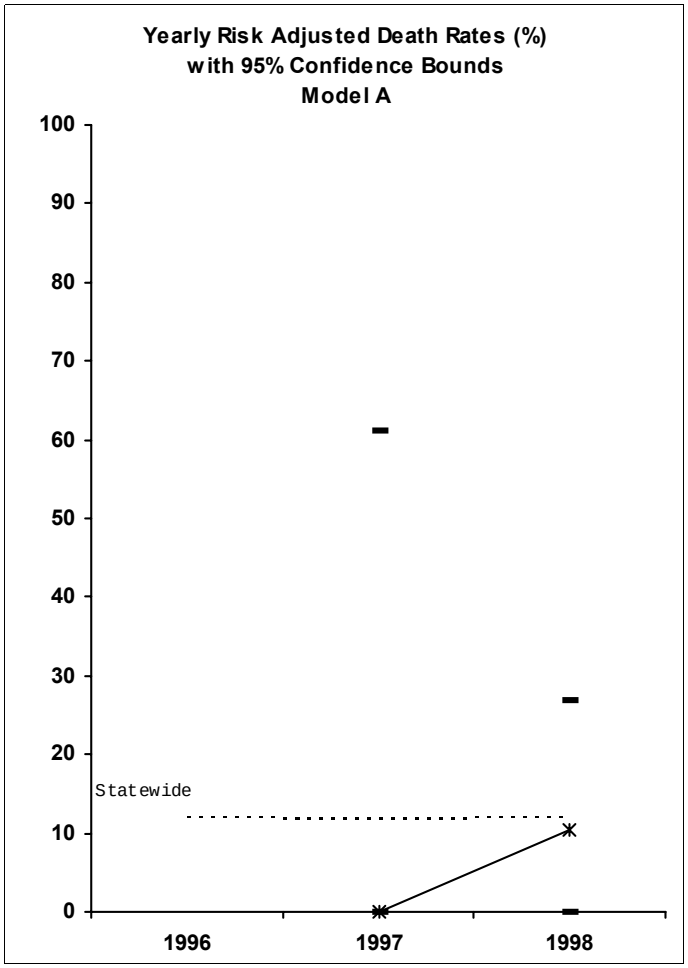


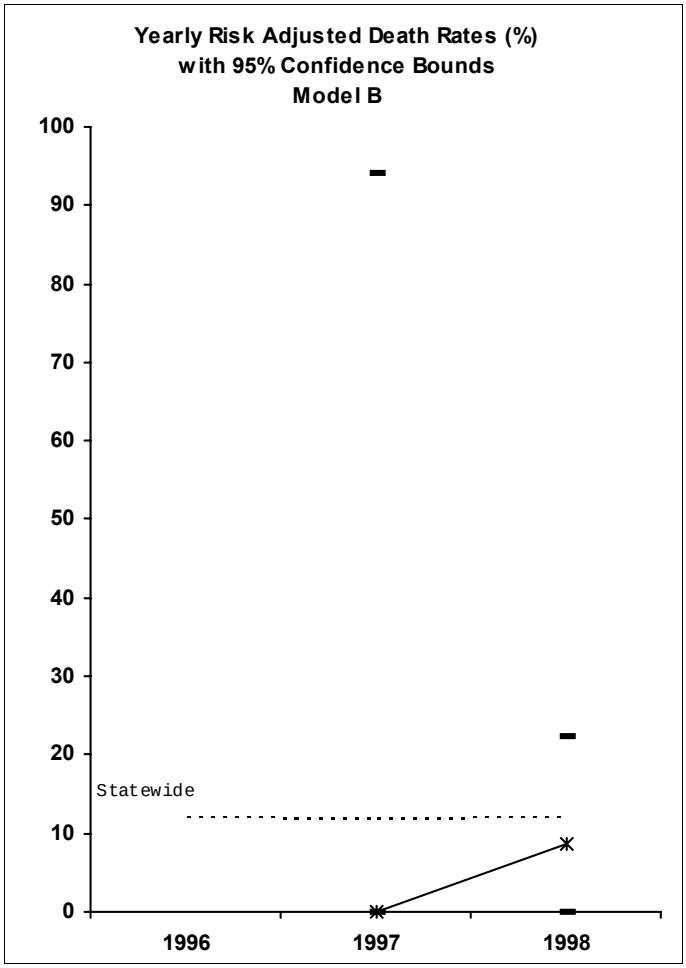
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Los Angeles County: L.A. Co/Rancho Los Amigos National Rehab Ctr

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	6	1	1.3	0.9	16.7	21.6	9.3	0.0	25.6	0.628
	1996	12.17742	0									
	1997	12.02517	1	0	0.1	0.3	0.0	13.0	0.0	0.0	61.1	0.870
	1998	12.06405	5	1	1.2	0.8	20.0	23.3	10.4	0.0	27.0	0.691
Model B	All Years	12.10683	6	1	1.5	0.9	16.7	24.6	8.2	0.0	22.0	0.540
	1996	12.18490	0									
	1997	12.03332	1	0	0.1	0.2	0.0	5.9	0.0	0.0	94.1	0.941
	1998	12.10273	5	1	1.4	0.8	20.0	28.3	8.6	0.0	22.3	0.567



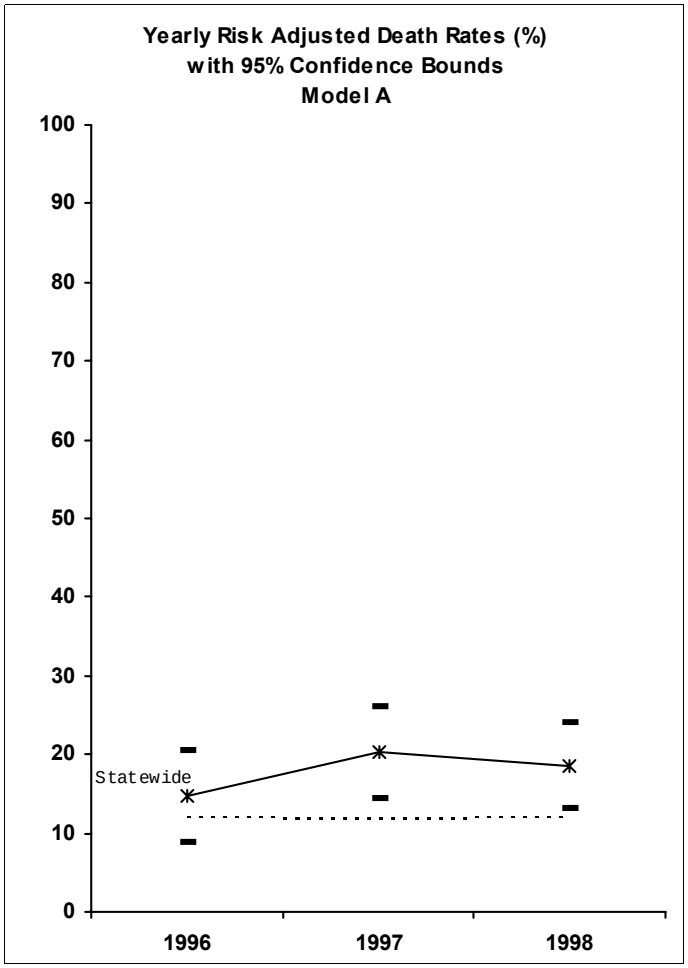


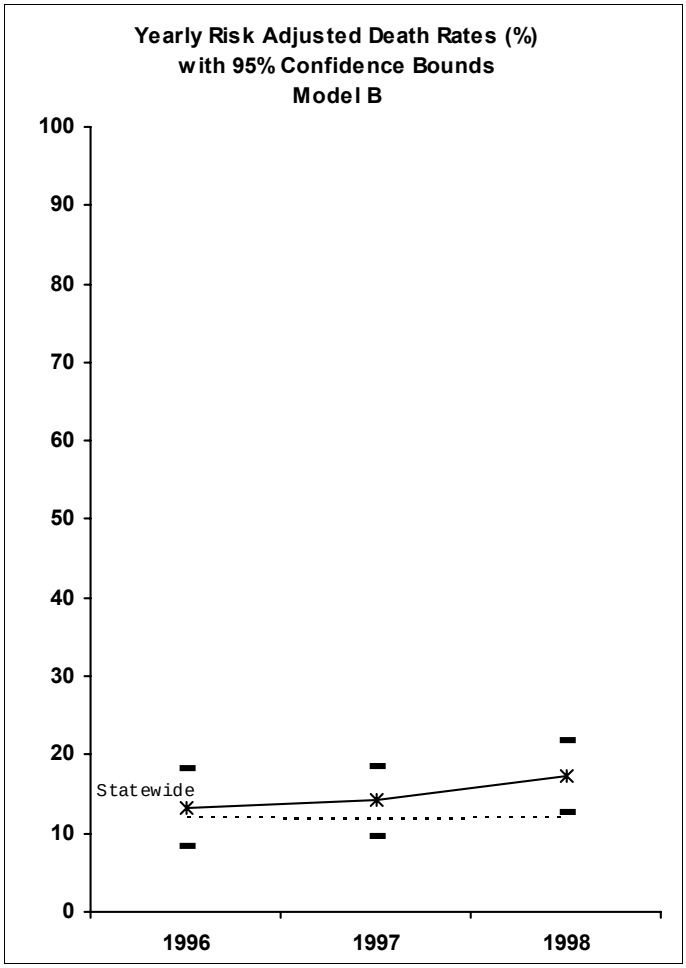
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Los Angeles County: L.A. Co/USC Medical Center

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	500	63	42.7	5.9	12.6	8.5	17.8	14.5	21.1	0.001
	1996	12.17742	173	17	14.1	3.4	9.8	8.1	14.7	8.9	20.5	0.235
	1997	12.02517	144	22	13.1	3.3	15.3	9.1	20.2	14.4	26.1	0.007
	1998	12.06405	183	24	15.6	3.6	13.1	8.5	18.6	13.1	24.0	0.018
Model B	All Years	12.10683	497	61	49.3	5.5	12.3	9.9	15.0	12.3	17.6	0.024
	1996	12.18490	172	17	15.5	3.2	9.9	9.0	13.4	8.5	18.2	0.367
	1997	12.03332	142	20	17.0	3.2	14.1	12.0	14.1	9.7	18.5	0.215
	1998	12.10273	183	24	16.8	3.2	13.1	9.2	17.3	12.7	21.9	0.023



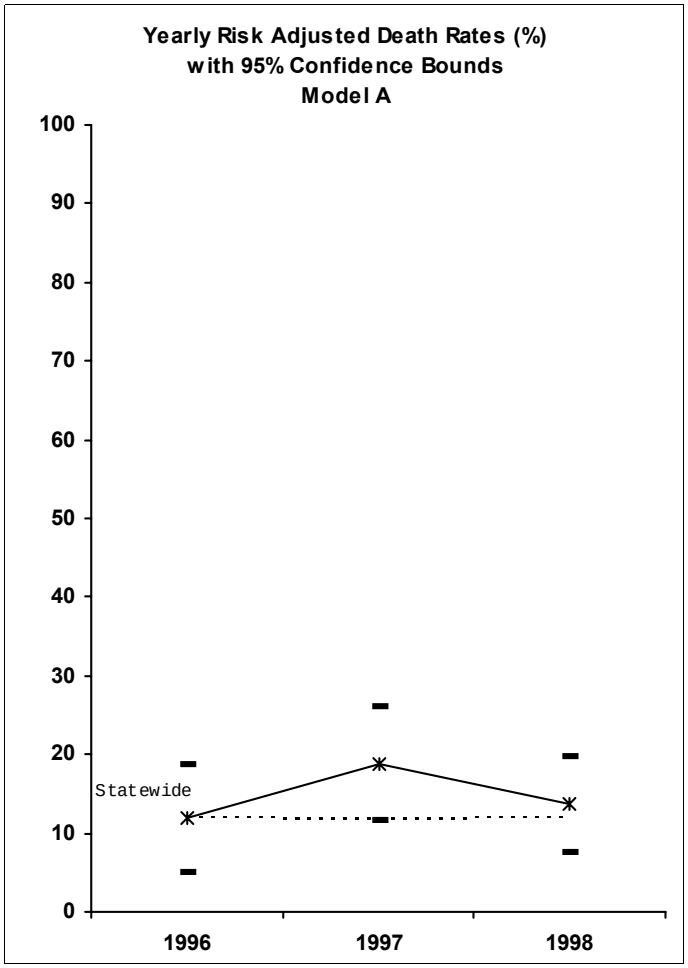


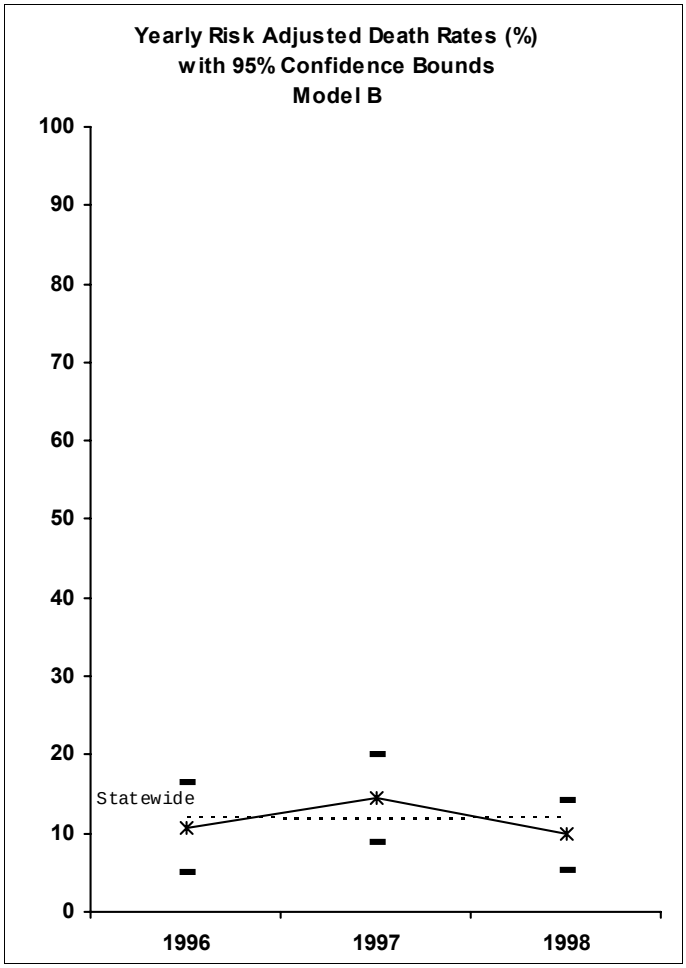
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Los Angeles County: LAC/Harbor - UCLA Medical Center

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	395	38	31.5	5.1	9.6	8.0	14.6	10.7	18.4	0.123
	1996	12.17742	134	10	10.2	2.9	7.5	7.6	11.9	5.1	18.8	0.554
	1997	12.02517	119	14	8.9	2.7	11.8	7.5	18.9	11.7	26.1	0.052
	1998	12.06405	142	14	12.4	3.2	9.9	8.7	13.6	7.5	19.8	0.353
Model B	All Years	12.10683	393	38	40.1	5.0	9.7	10.2	11.5	8.5	14.4	0.377
	1996	12.18490	132	10	11.4	2.7	7.6	8.6	10.7	5.0	16.4	0.388
	1997	12.03332	119	14	11.6	2.7	11.8	9.8	14.5	9.0	20.0	0.240
	1998	12.10273	142	14	17.2	3.2	9.9	12.1	9.9	5.4	14.4	0.207



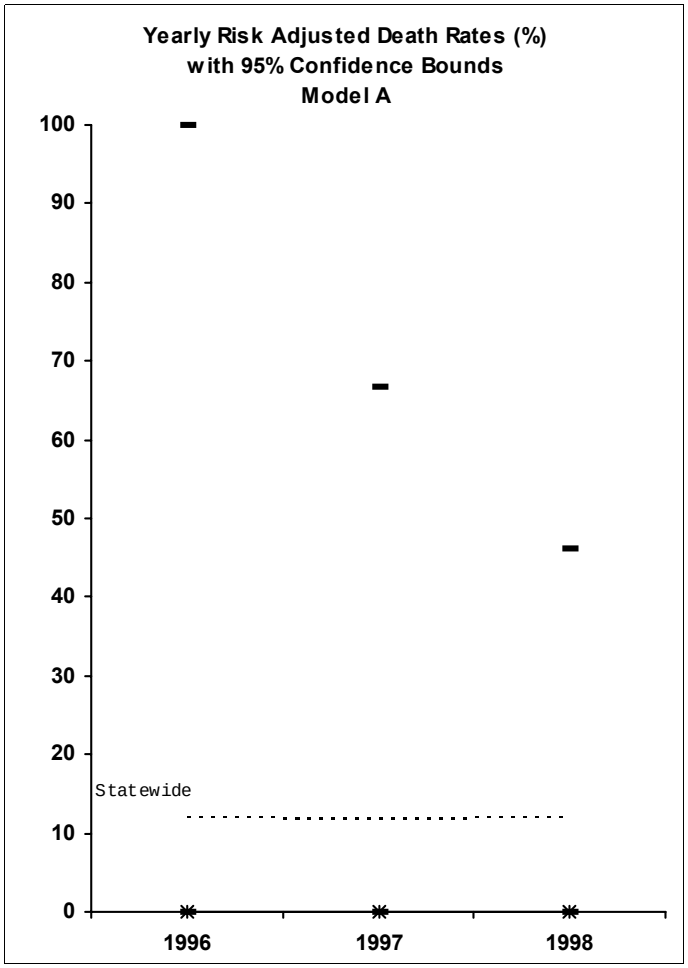


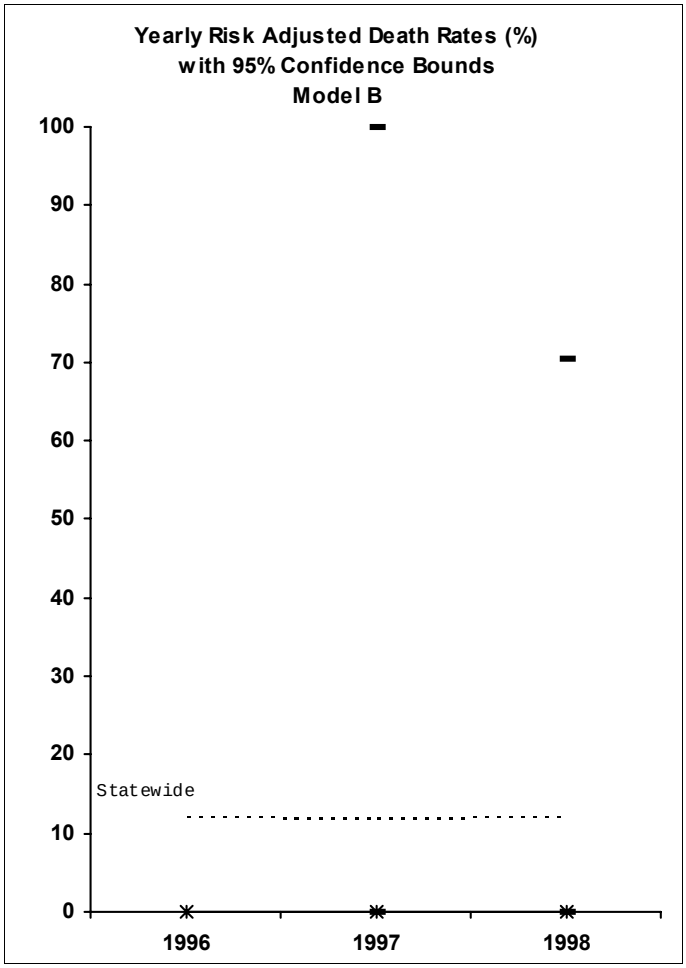
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Los Angeles County: LAC/High Desert Hospital

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	11	0	0.4	0.6	0.0	3.3	0.0	0.0	37.4	0.681
	1996	12.17742	1	0	0.0	0.1	0.0	1.6	0.0	0.0	100.0	0.984
	1997	12.02517	4	0	0.1	0.3	0.0	2.9	0.0	0.0	66.8	0.886
	1998	12.06405	6	0	0.2	0.5	0.0	3.8	0.0	0.0	46.2	0.782
Model B	All Years	12.10683	9	0	0.2	0.4	0.0	1.7	0.0	0.0	58.7	0.853
	1996	12.18490	0						0.0			
	1997	12.03332	4	0	0.0	0.2	0.0	1.2	0.0	0.0	100.0	0.952
	1998	12.10273	5	0	0.1	0.3	0.0	2.1	0.0	0.0	70.4	0.896



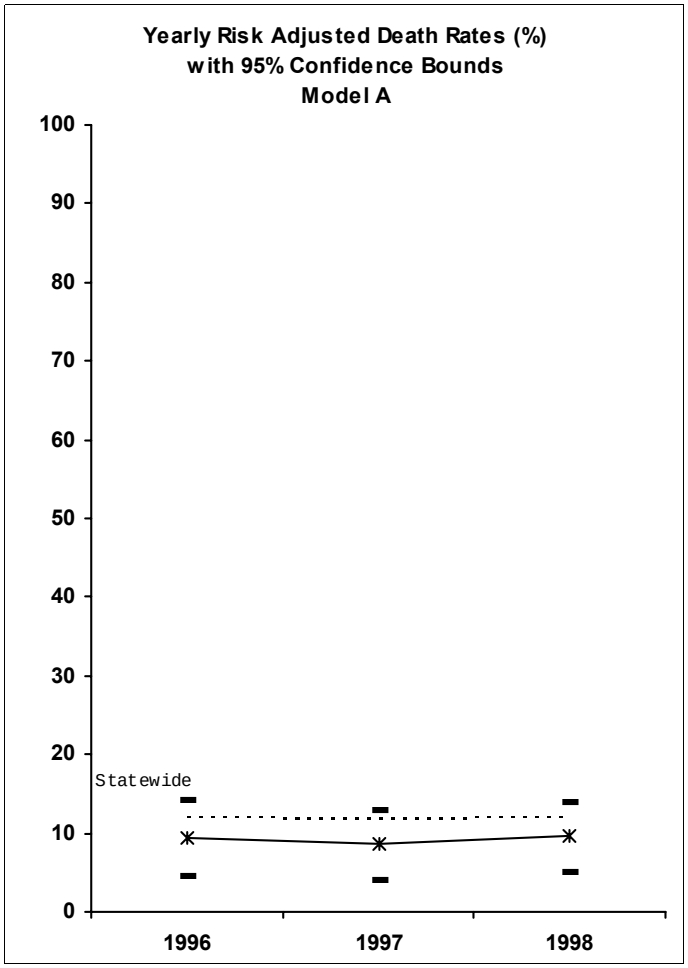


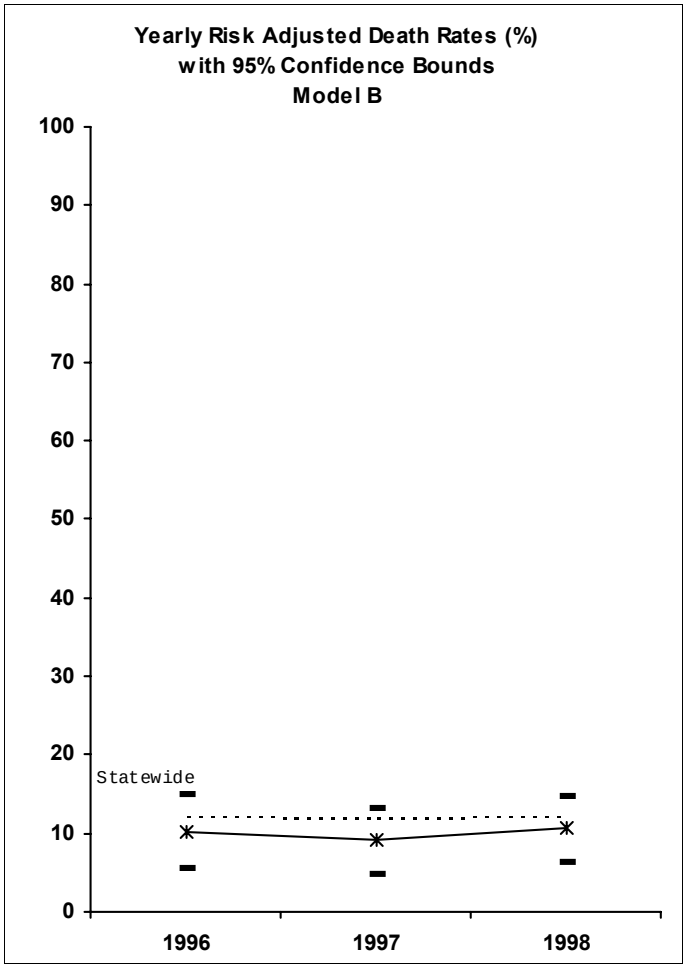
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Los Angeles County: Lakewood Regional Medical Center

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	453	48	63.2	6.9	10.6	13.9	9.2	6.6	11.8	0.015
	1996	12.17742	130	15	19.5	3.8	11.5	15.0	9.4	4.7	14.1	0.150
	1997	12.02517	141	15	21.0	3.9	10.6	14.9	8.6	4.2	13.0	0.077
	1998	12.06405	182	18	22.7	4.2	9.9	12.5	9.6	5.2	13.9	0.158
Model B	All Years	12.10683	452	48	58.4	6.2	10.6	12.9	10.0	7.4	12.5	0.053
	1996	12.18490	130	15	17.8	3.5	11.5	13.7	10.3	5.6	14.9	0.257
	1997	12.03332	140	15	20.0	3.6	10.7	14.3	9.0	4.8	13.3	0.102
	1998	12.10273	182	18	20.6	3.7	9.9	11.3	10.6	6.3	14.9	0.292



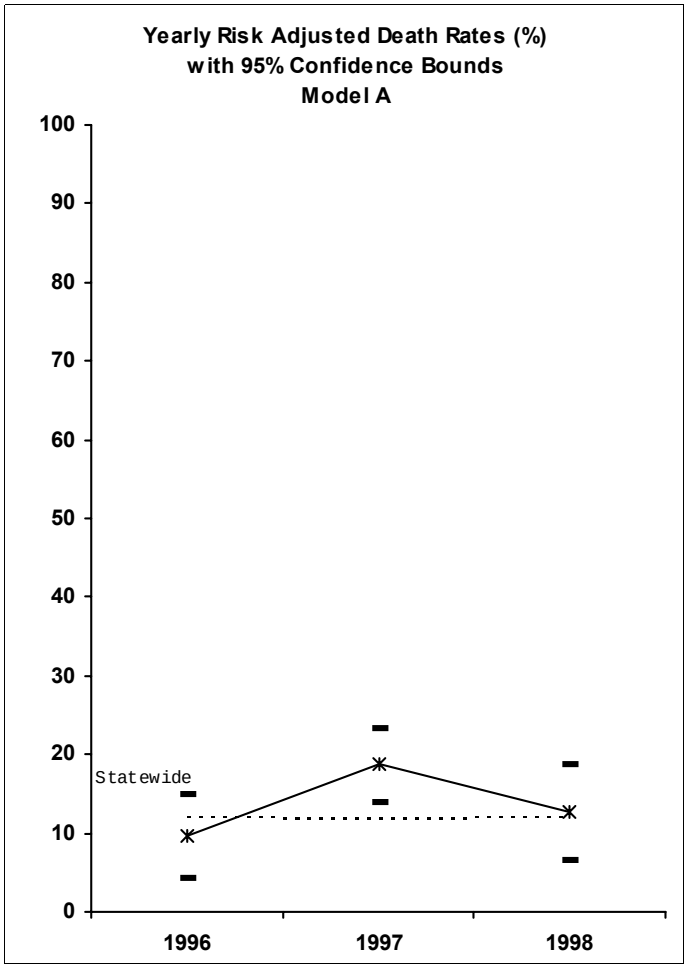


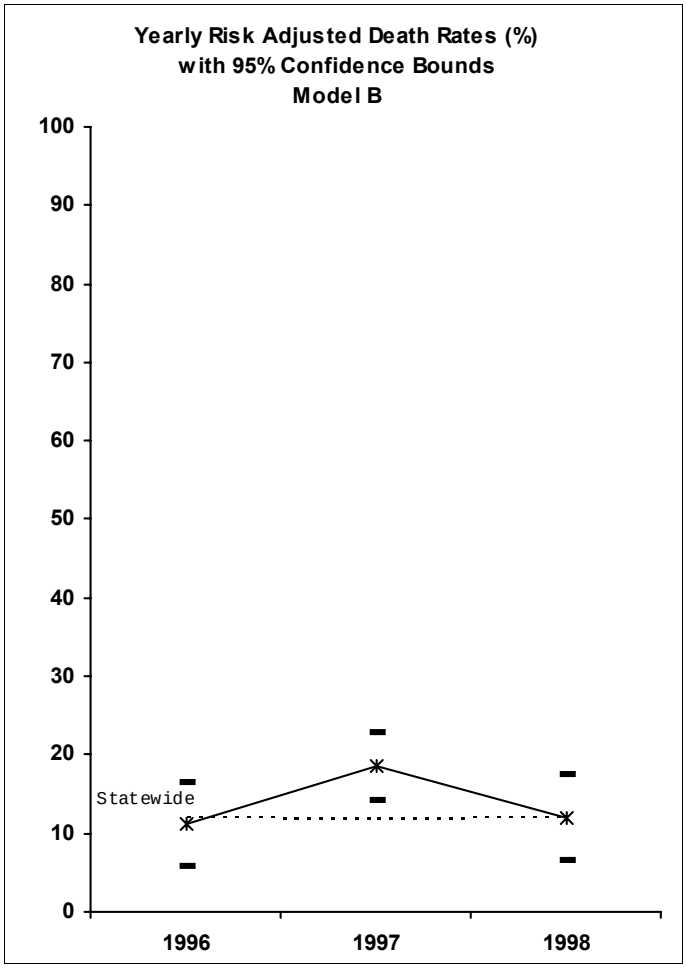
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Los Angeles County: Lancaster Community Hospital

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	443	56	48.0	6.2	12.6	10.8	14.1	11.0	17.2	0.115
	1996	12.17742	142	13	16.3	3.6	9.2	11.5	9.7	4.4	15.0	0.223
	1997	12.02517	172	30	19.3	3.9	17.4	11.2	18.7	13.9	23.5	0.007
	1998	12.06405	129	13	12.3	3.2	10.1	9.6	12.7	6.6	18.8	0.466
Model B	All Years	12.10683	443	56	46.5	5.6	12.6	10.5	14.6	11.7	17.4	0.058
	1996	12.18490	142	13	14.1	3.1	9.2	9.9	11.3	5.9	16.6	0.439
	1997	12.03332	172	30	19.3	3.6	17.4	11.2	18.7	14.3	23.0	0.003
	1998	12.10273	129	13	13.1	3.0	10.1	10.2	12.0	6.5	17.5	0.561



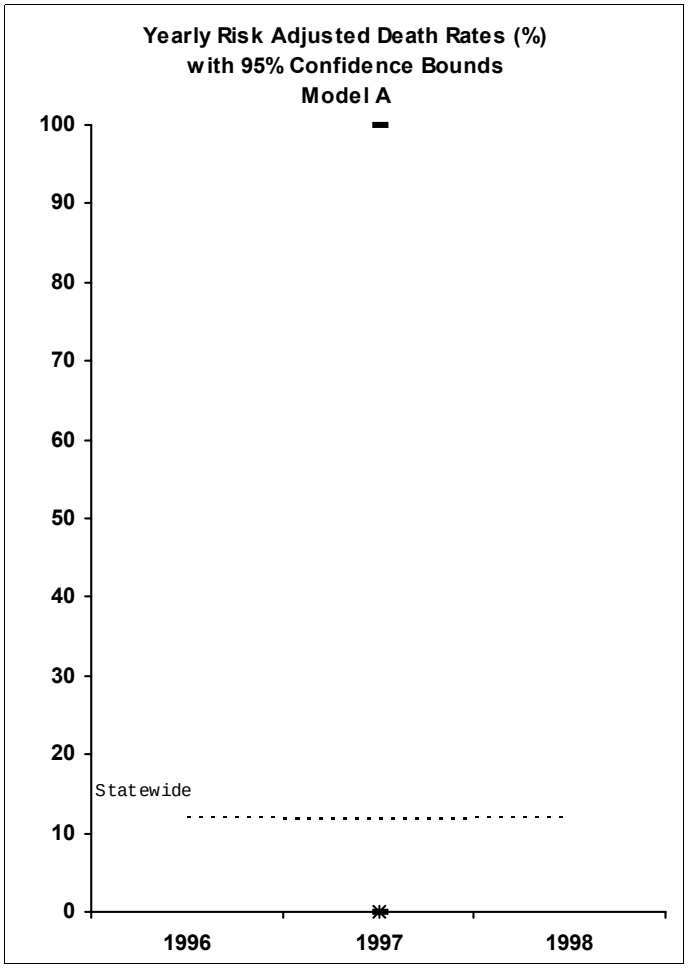


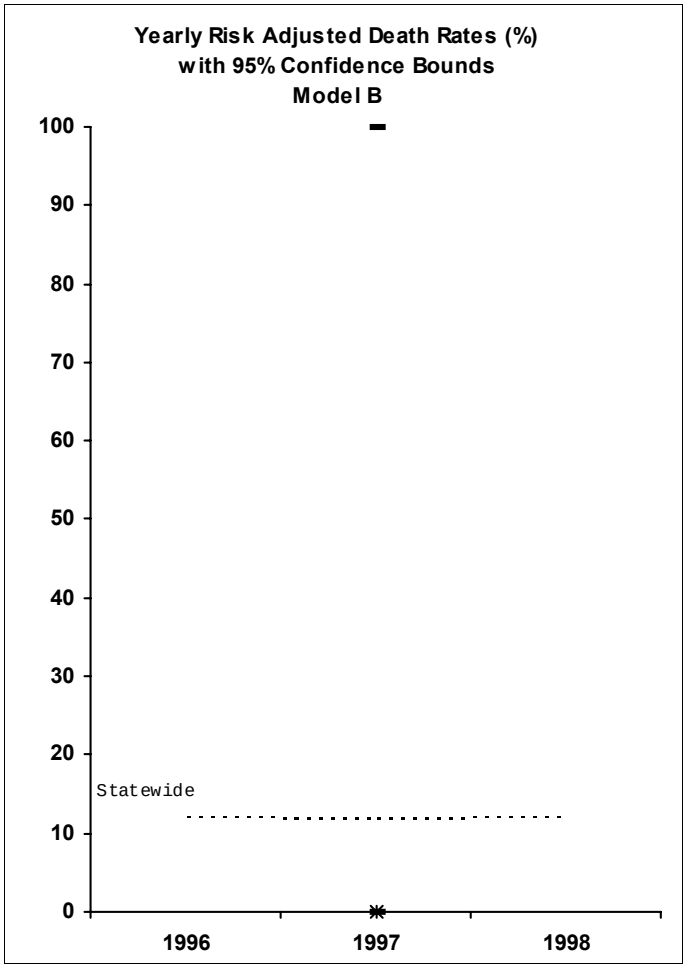
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Los Angeles County: Lincoln Hospital Medical Center

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	1	0	0.1	0.2	0.0	5.1	0.0	0.0	100.0	0.949
	1996	12.17742	0									
	1997	12.02517	1	0	0.1	0.2	0.0	5.1	0.0	0.0	100.0	0.949
	1998	12.06405	0									
Model B	All Years	12.10683	1	0	0.0	0.2	0.0	2.7	0.0	0.0	100.0	0.973
	1996	12.18490	0									
	1997	12.03332	1	0	0.0	0.2	0.0	2.7	0.0	0.0	100.0	0.973
	1998	12.10273	0									



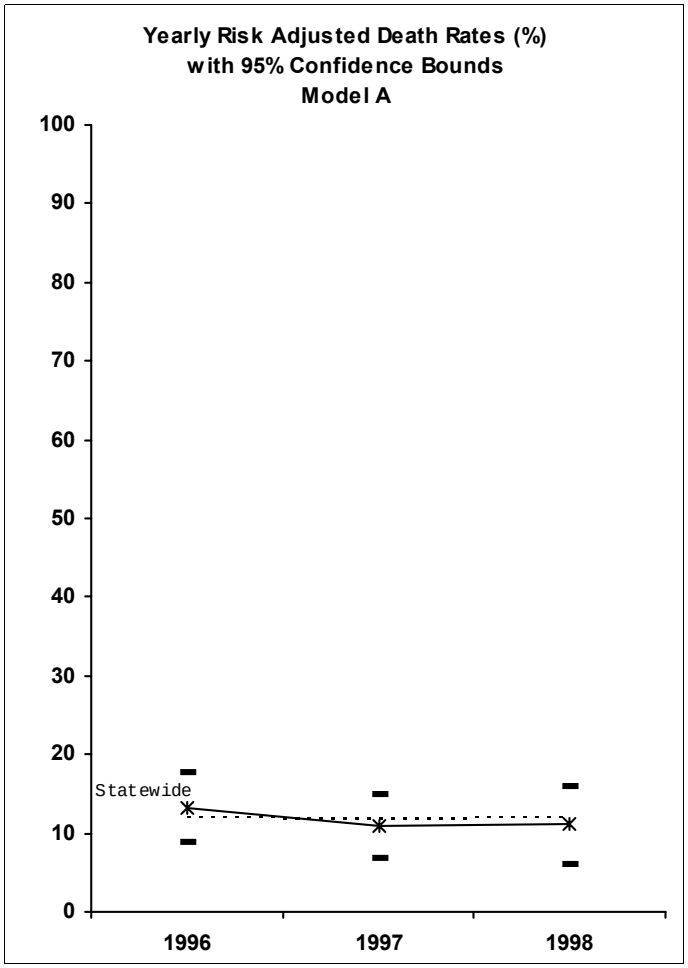


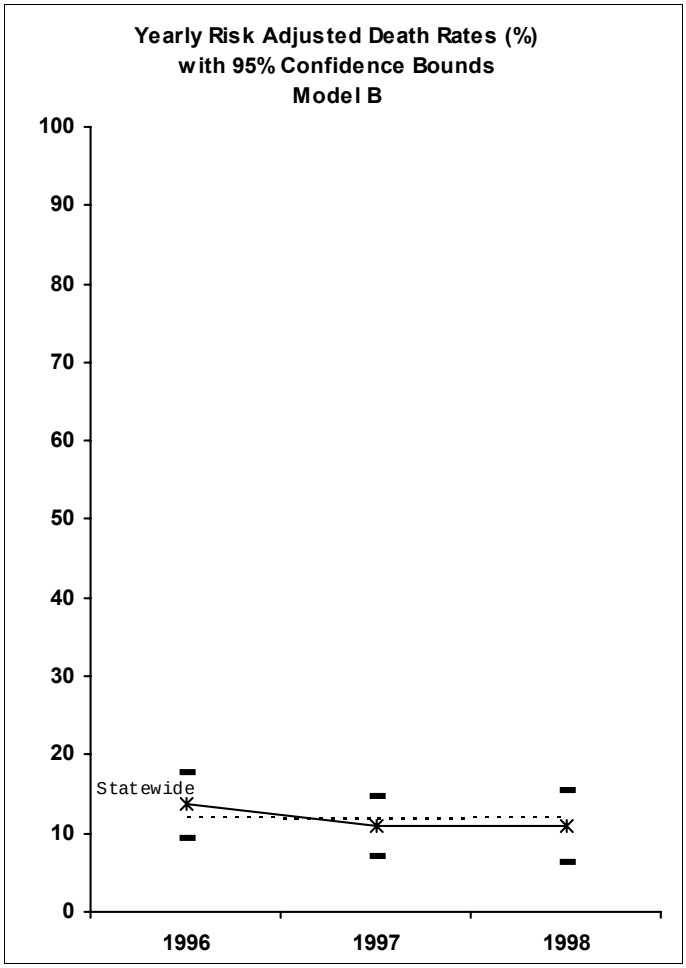
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Los Angeles County: Little Company of Mary Hospital

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	594	66	67.7	7.3	11.1	11.4	11.8	9.2	14.3	0.440
	1996	12.17742	195	25	23.0	4.2	12.8	11.8	13.2	8.8	17.6	0.354
	1997	12.02517	224	24	26.3	4.6	10.7	11.7	11.0	6.9	15.1	0.355
	1998	12.06405	175	17	18.4	3.8	9.7	10.5	11.1	6.2	16.1	0.415
Model B	All Years	12.10683	591	65	66.5	6.7	11.0	11.3	11.8	9.4	14.2	0.446
	1996	12.18490	193	24	21.4	3.8	12.4	11.1	13.7	9.4	17.9	0.286
	1997	12.03332	224	24	26.2	4.2	10.7	11.7	11.0	7.2	14.8	0.346
	1998	12.10273	174	17	18.8	3.6	9.8	10.8	10.9	6.5	15.4	0.362



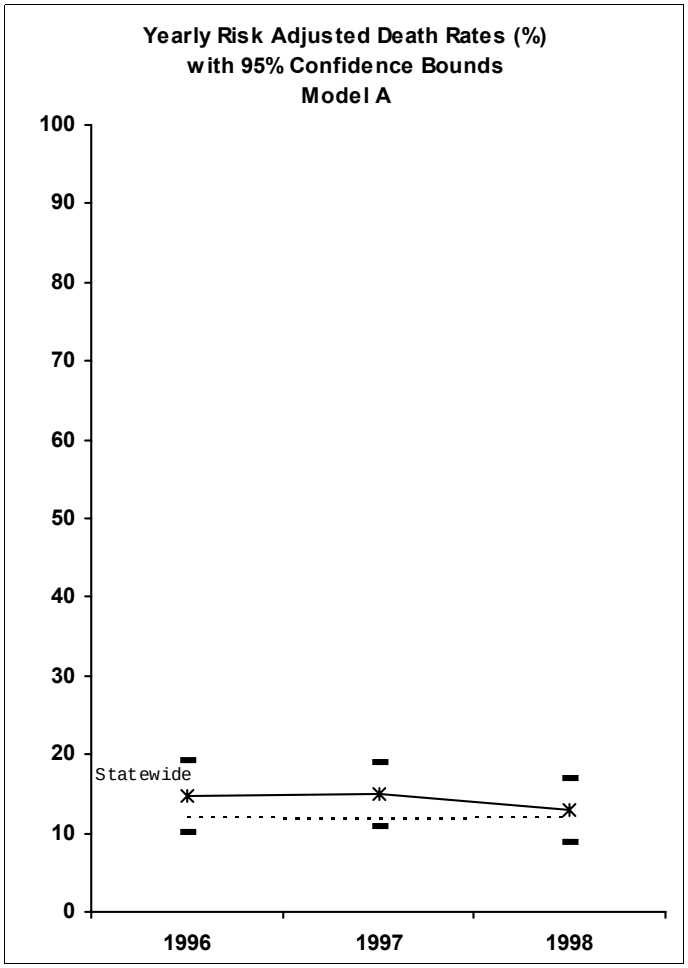


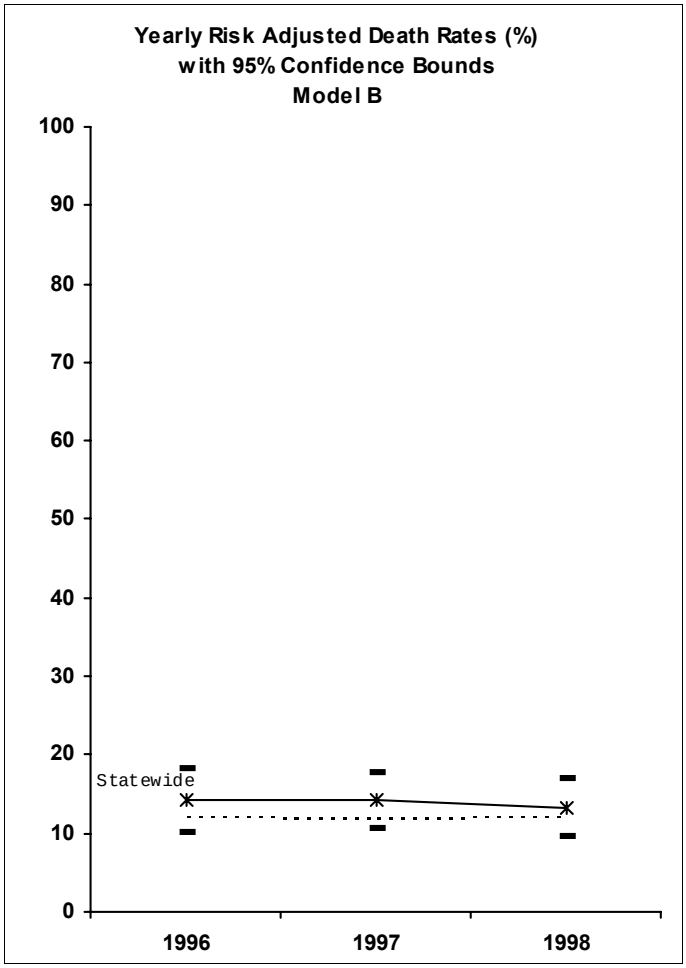
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Los Angeles County: Long Beach Community Medical Center

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	510	86	73.1	7.4	16.9	14.3	14.2	11.8	16.6	0.048
	1996	12.17742	160	26	21.4	4.0	16.3	13.4	14.8	10.3	19.3	0.157
	1997	12.02517	182	33	26.5	4.5	18.1	14.5	15.0	11.0	19.0	0.090
	1998	12.06405	168	27	25.2	4.3	16.1	15.0	12.9	8.9	16.9	0.370
Model B	All Years	12.10683	507	86	74.7	6.9	17.0	14.7	13.9	11.8	16.1	0.059
	1996	12.18490	160	26	22.1	3.8	16.3	13.8	14.4	10.3	18.4	0.182
	1997	12.03332	182	33	28.0	4.2	18.1	15.4	14.2	10.6	17.7	0.145
	1998	12.10273	165	27	24.5	3.9	16.4	14.9	13.3	9.6	17.1	0.302



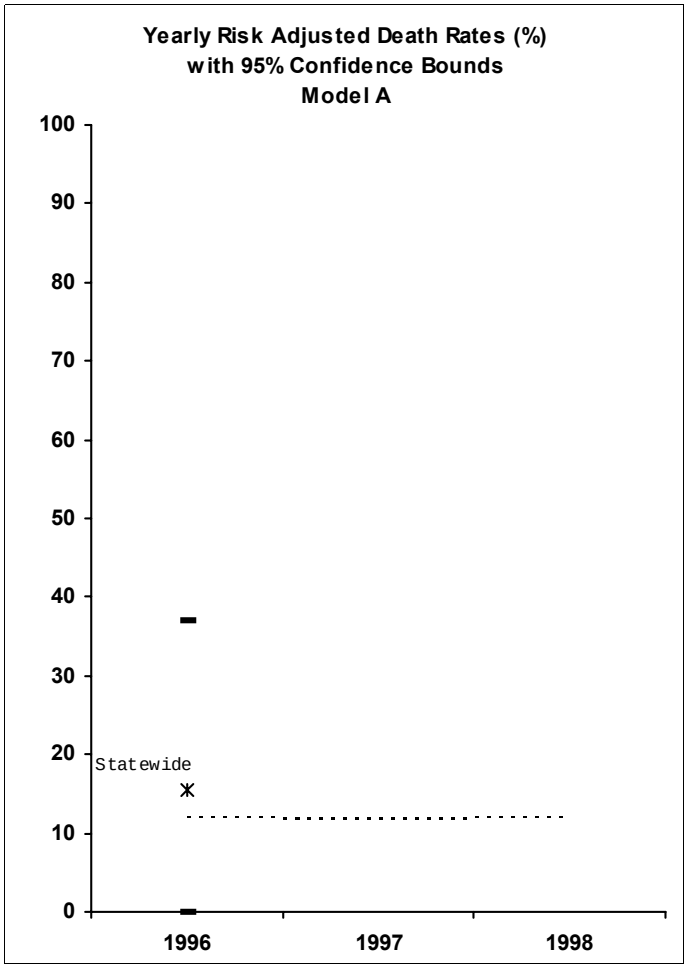


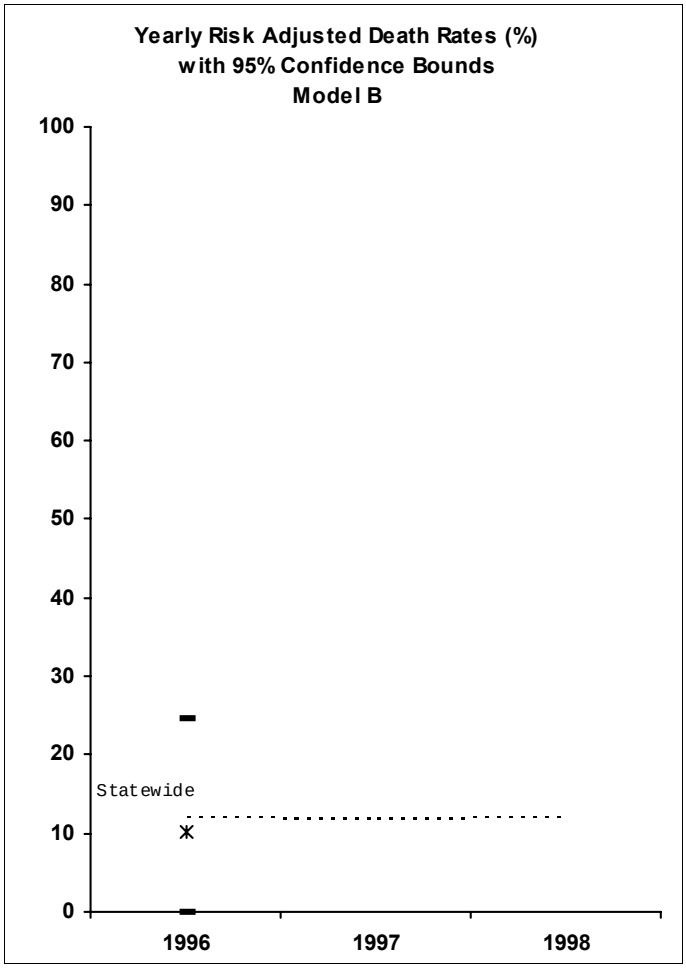
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Los Angeles County: Long Beach Doctor's Hospital

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	4	1	0.8	0.7	25.0	19.5	15.5	0.0	36.8	0.629
	1996	12.17742	4	1	0.8	0.7	25.0	19.5	15.6	0.0	37.1	0.629
	1997	12.02517	0									
	1998	12.06405	0									
Model B	All Years	12.10683	4	1	1.2	0.7	25.0	29.7	10.2	0.0	24.5	0.678
	1996	12.18490	4	1	1.2	0.7	25.0	29.7	10.3	0.0	24.6	0.678
	1997	12.03332	0									
	1998	12.10273	0									



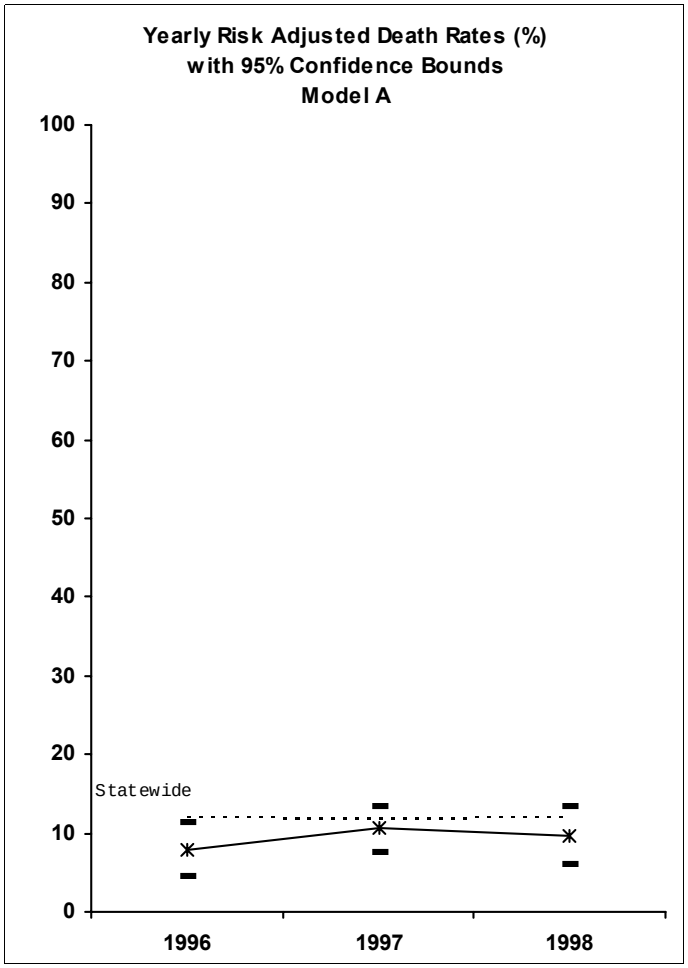


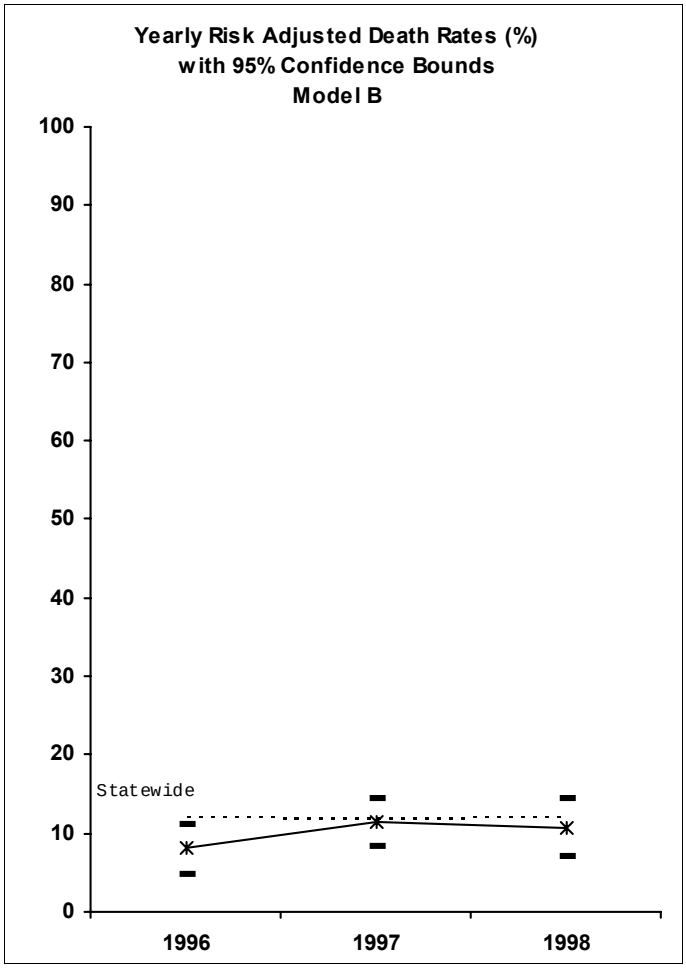
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Los Angeles County: Long Beach Memorial Medical Center

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	760	91	115.7	9.3	12.0	15.2	9.5	7.6	11.4	0.004
	1996	12.17742	253	25	38.3	5.4	9.9	15.1	8.0	4.6	11.3	0.007
	1997	12.02517	284	41	46.4	5.8	14.4	16.3	10.6	7.7	13.5	0.198
	1998	12.06405	223	25	31.0	4.9	11.2	13.9	9.7	6.0	13.4	0.126
Model B	All Years	12.10683	758	90	107.7	8.5	11.9	14.2	10.1	8.2	12.0	0.019
	1996	12.18490	253	25	37.6	5.0	9.9	14.9	8.1	4.9	11.3	0.006
	1997	12.03332	283	40	42.0	5.3	14.1	14.8	11.5	8.5	14.4	0.395
	1998	12.10273	222	25	28.2	4.4	11.3	12.7	10.7	7.0	14.4	0.274



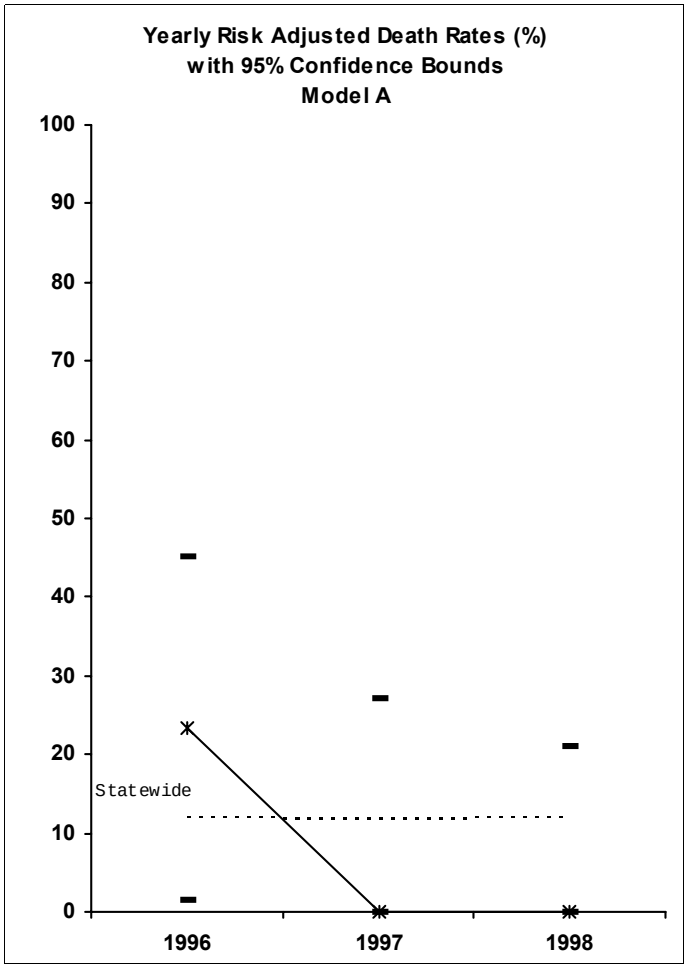


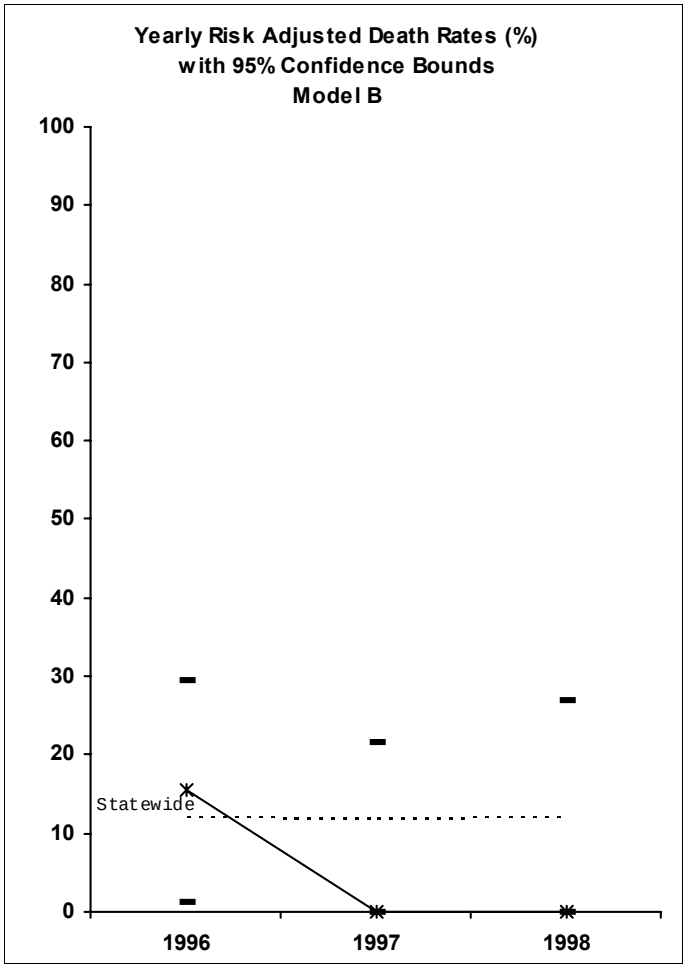
‡ Hospital sent comment letter

Detailed Statistical Results
for Acute Myocardial Infarction Mortality

Los Angeles County: Los Angeles Community Hospital

		Statewide Death Rate (%)	Number of Cases Included	Number of Observed Deaths	Number of Expected Deaths	Standard Deviation of Observed Deaths	Observed Death Rate (%)	Expected Death Rate (%)	Risk-Adjusted Death Rate (%)	Risk Adjusted Death Rate 95% Confidence Bounds		Probability This Rate Occurred by Chance
										Lower	Upper	
Model A	All Years	12.08912	23	2	2.6	1.4	8.7	11.1	9.5	0.0	22.8	0.516
	1996	12.17742	13	2	1.0	1.0	15.4	8.0	23.4	1.5	45.2	0.280
	1997	12.02517	5	0	0.6	0.7	0.0	12.6	0.0	0.0	27.0	0.501
	1998	12.06405	5	0	0.9	0.8	0.0	17.7	0.0	0.0	21.1	0.346
Model B	All Years	12.10683	23	2	3.0	1.4	8.7	13.2	8.0	0.0	18.9	0.368
	1996	12.18490	13	2	1.6	0.9	15.4	12.1	15.4	1.3	29.6	0.517
	1997	12.03332	5	0	0.9	0.8	0.0	17.1	0.0	0.0	21.6	0.362
	1998	12.10273	5	0	0.6	0.7	0.0	11.9	0.0	0.0	26.9	0.504





‡ Hospital sent comment letter