
Appendix C: CENTERS FOR DISEASE CONTROL (CDC) CALIFORNIA AIDS PROJECTIONS

STATE OF CALIFORNIA—HEALTH AND WELFARE AGENCY

GEORGE DEUKMEJIAN, Governor

DEPARTMENT OF HEALTH SERVICES

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SACRAMENTO, CA 95814

January 12, 1987



To: **Readers** of the AIDS Monthly Field Activities Report
Subject: **Centers for Disease Control (CDC) California AIDS Projections**

An addendum has been attached to AIDS Monthly Activities Report. At our request, CDC has run AIDS case projections for California through 1991. These projections are based on the same empirical model used to generate the national projections presented at the Coolfont, Virginia planning conference in June of last year. The model is based on past reporting trends, and does not take into consideration the effects of behavioral modification or potential clinical or pharmaceutical interventions. The California analysis is based on California AIDS cases reported to the CDC as of December 29, 1986.

Please note the difference between the projected cases for 1986 (3250) and actual number of cases reported as of 12/29/86 (2129). Because of an approximate two month reporting lag, there is a sizable difference between these two numbers. It is expected that the final reported total for 1986 will be somewhat higher than the current 2129 cases. At the end of 1985 we reported a total of 1595 cases for the year. One year later, the total cases for the same one year period (1985) has grown to 2135. We expect that when all of the cases for 1986 are tabulated we can expect to see at least as large an increase as last year.

The model suggests a cumulative total of nearly 50,000 cases of AIDS will be diagnosed in California by the end of 1991, with approximately 34,000 deaths. Additionally, the model projects a larger proportion of cases will be reported from outside the San Francisco and Los Angeles standard metropolitan statistical areas (SMSA's). If present trends continue, it is expected that these areas will report 31% of California AIDS cases during 1991.

If you have questions concerning the technical basis of these projections please contact Michael Hughes at (916)445-0553.

Donald O. Lyman

Donald O. Lyman, M.D., Chief
Office of AIDS

1) **Public Health Service Plan for the Prevention and Control of AIDS and the AIDS virus: Report of the Coolfont Planning Conference June 46, 1986.**
(Copies available Upon request).

2. **Statistical Report No.86-1: An Empirical Model for Projecting Trends in AIDS Cases, w. Meade Morgan, Ph.D., AIDS Program, Center for Infectious Diseases, Centers for Disease Control, Atlanta, Georgia 30333.**

ACQUIRED IMMUNODEFICIENCY SYNDROME (AIDS)
MONTHLY FIELD ACTIVITIES REPORT
 January 1981 - December 31, 1986

Department of Health Services
 Office of AIDS
 P.O. BOX 160146
 Sacramento, CA 95816-0146

California Cases by residence at onset of illness from
 January 1981 to December 31, 1986 (includes 13 cases
 reported prior to January 1981)

1. CASES AND DEATHS REPORTED THIS MONTH

PRIMARY DISEASE	CASES	DEATHS
KS without PCP	24	34
PCP without ks	106	85
Both KS and PCP	8	7
01 without XS or PCP	37	24
TOTALS THIS MCNTH	175	150

2. RISK GROUP SUMMARY OF CASES REPORTED THIS MONTH

	NUMBER OF CASES			
	MALE	FEMALE	TOTAL CASES	% OF TOTAL
Homosexual	150	0	150	85.71
Bisexual	19	0	19	10.86
Intravenous (IV) Drug Use~	4	1	5	2.86
Hemophiliac	0	0	0	0.00
Heterosexual Contact	4	2	6	3.43
Transfusion	3	1	4	2.29
Parent at Risk	0	0	0	0.00
None/Apparent/Unknown	-64	93*	-9*	-5.14
TOTAL	174	1	175	100.00

● NOTE Negative Values indicate a change in risk.

3. <u>PRIMARY DISEASE</u>	CASES	^{8 of} TOTAL	DEATHS	⁸ DEAD
ks without PCP	1636	24.08	677	41.38
PCP without KS	3797	55.88	1860	48.99
Both XS and PCP	357	5.25	242	67.79
01 without KS Or PCP	1005	14.79	537	53.43
TOTAL TO DATE	6795	100.00	3316	48.80

ks kaposics
 PCP = Pneumocystis carinii pneumonia
 ox = other opportunistic infections

4. <u>AGE</u>	CASES	% OF TOTAL
Under 5	21	0.31
05 - 13	6	0.09
14 - 19	15	0.22
20 - 29	1063	15.64
30 - 39	3148	46.33
40 - 49	1660	24.43
Over 50	858	12.63
unknown	24	0.35
TOTAL	6795	100.00

5. <u>RACE/ETHNICITY</u>	CAszs	% OF TOTAL
White, not Hispanic	5390	79.32
Black, not Hispanic	606	8.92
Hispanic	673	9.90
Haitian	6	0.09
Asian or Pacific Is.	71	1.04
American Indian/Alaskan	7	0.10
Other	1	0.01
Unknowl	41	0.60
TOTAL	6795	100.00

6. RISK GROUPS

NUMBER OF CASES

	MALE	FEMALE	TOTAL CASES	* O F TOTAL
Homosexual	5507	0	5507	81.04
Bisexual	721	0	721	10.61
Intravenous (IV) Drug User	127	28	155	2.28
Hemophiliac	47	8	55	0.01
Heterosexual Contact	33	25	58	0.85
Transfusion	100	36	136	2.00
Parent at Risk	4	7	11	0.16
None/Apparent/Unknown	135	17	152	2.24
TOTAL	6674	121	6795	100.00

7. FATALITY RATES BY TIME OF DIAGNOSIS

	CASES	DEATHS	RATE
Before 1981	13	10	76.92
1981 Jan-June	19	18	94.74
Jul-Dec	40	33	82.50
1982 Jan-June	78	59	75.64
Jul-Dec	135	102	75.56
1983 Jan-June	284	211	74.30
Jul-Dec	389	294	75.58
1984 Jan-June	537	376	70.02
Jul-Dec	713	478	67.04
1985 Jan-June	989	575	58.14
Jul-Dec	~146	528	46.07
1986 Jan-Jun	1411	459	32.53
Jul-Dec	1041	173	16.67
TOTAL	6795	3316	48.00

AIDS CASES BY COUNTY OF RESIDENCE AT ONSET OF ILLNESS

January 1981 - December 31, 1986

	CASES	DEATHS
San Francisco	2471	1302
Los Angeles	2430	1108
San Diego	358	184
Alameda (e%. Berkeley) . .	283	115
Orange	245	127
Santa Clara	133	53
San Mateo	109	49
Riverside0..	107	70
Sanoma	95	49
Contra Costa	92	3s
Sacramento	72	28
Marin .**eeoom .***eeeo* .	63	31
San Bernardino	49	20
Santa Barbara	39	14
Monterey	31	16
Ventura	25	11
Fresno	24	13
San Joaquin	18	11
Santa Cruz.eo .	18	10
San Joaquin	17	6
Berkeley* * *	14	6
KernO	14	3
Imperial	13	7
San Luis Obispo	13	8
Napa	11	5
El Dorado.	7	5
Lake .*. * . * @	5	5
Shasta	4	2
Stanislaus	4	3
Yuba ..9. *eo*e*e* .	4	2
Butte	3	2
Imperial	3	3
Herk Co.eemoo**m	3	2
Placer.m..	3	2
Siskiyou .oOmO*oe .000000	3	2
Yolo .* 000000000 .*000*..	2	0
Glenn	1	1
Humboldt/Del Norte	2	1
Yuba	1	0
K @ .oe**o** .*eeo**m* .*	1	1
Hadera	1	1
Plumas	2	1
San Benito .0000000 .**.*	1	0
Sutter	1	1
Trinity 900000so .ba*****	1	1
Tulare0	1	0
TOTAL	6795	3316

Table 1
Reported cases of AIDS 'DS-RelaCed Deaths among
Residents of Wifomia - ~ecembez 29, 1986

REPORTED:

<u>Year</u>	<u>cases</u> <u>Diagnosed</u>	<u>Deaths</u>
1981 & before	67	21
1982	202	66
1983	639	2s3
1984	1219	608
1985	2136	1136
1986	2129	1122

PROJECTED:

	<u>cases</u> <u>Dfagnosed (68% bounds)</u>	<u>Deaths (Range)</u>
1986	3250 (3100, 3400)	1930 (1870, 2000)
1987	4650 (4350, 4950)	2950 (2800, 3100)
1988	6300 (5600, 6900)	4200 (3900, 4500)
1989	8200 (6600, 9300)	5700 (5000, 6300)
1990	~0~00 (7500, 12100)	7500 (6050, 8500)
1991	12900 (8100, 14600)	9600 (6950, 11150)

Table 2
Perceng of California Ca'rea (SWA) of Residence
December 29, 1986

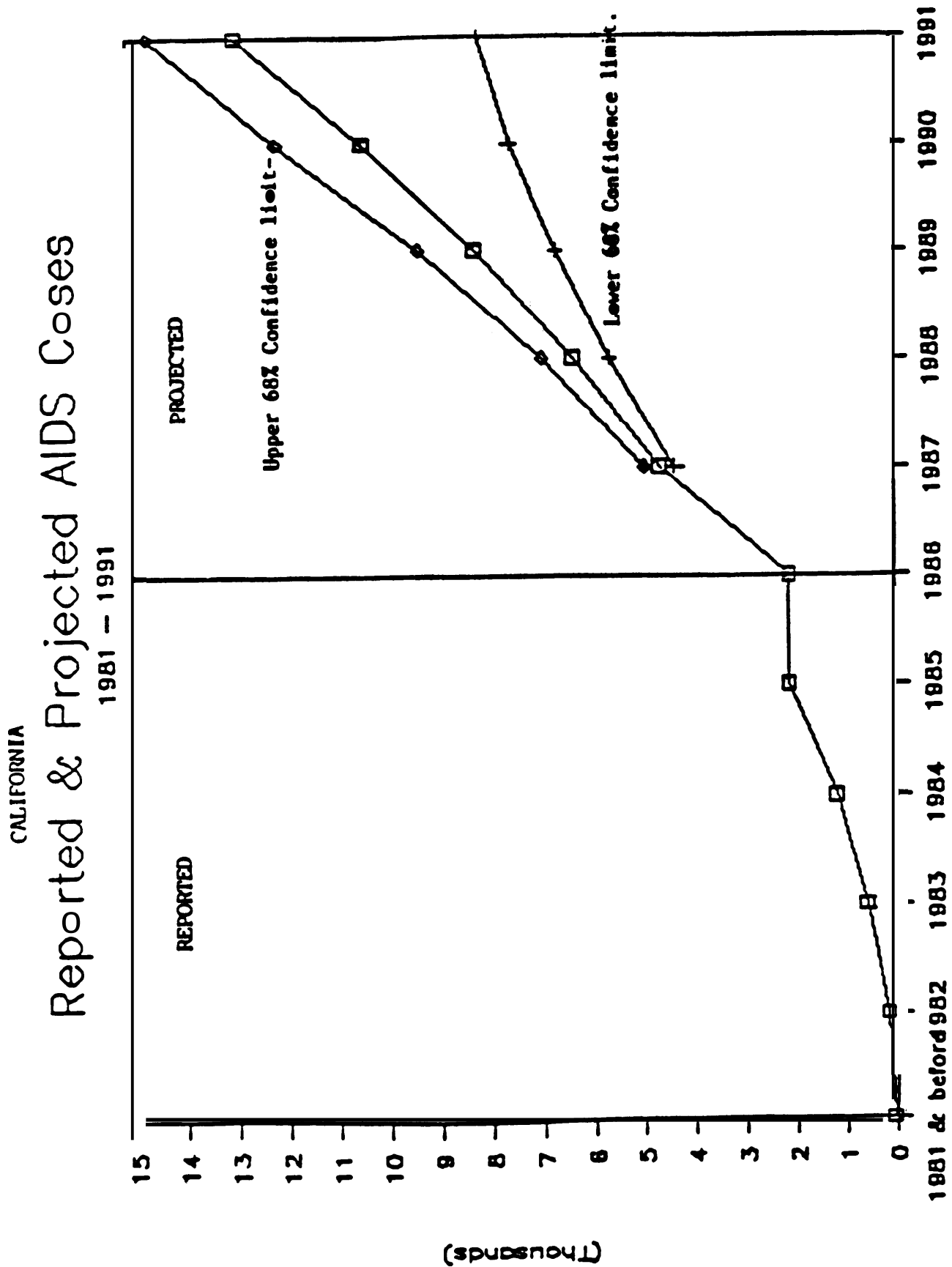
REPORM CASES:

<u>Year</u>	<u>San Francisco</u>	<u>Los Angeles</u>	<u>Other California</u>
1981 6 before	52.2	32.8	14.9
1982	53.0	35.6	11.6
1983	48.0	39.3	12.7
1984	48.6	35.7	15.7
1985	42.6	3a.2	19.2
1986	45.1	37.2	17.7

PROJECTED CASES:

1986	42.8	37.3	19.9
1991	33.5 (2Y.4, 37.7)*	35*7 (3L4, 40.1)*	30e8 (26.4, 35.5)0

● 68z confidence bouncls are given in Darencheses.



This graph depicts the reported and projected AIDS cases for the State of California as of 12/29/86
 Source: Department of Health Services, Office of AIDS, Sacramento, California 95814.