

Report no. 43

NATIONAL COMMUNICABLE DISEASE CENTER

BIOLOGICS

SURVEILLANCE



U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE: PUBLIC HEALTH SERVICE
HEALTH SERVICES AND MENTAL HEALTH ADMINISTRATION

For Administrative Use Only

National Communicable Disease Center

Report No. 43

October, November, December 1969

Annual 1969

BIOLOGICS SURVEILLANCE REPORT

This summary is intended primarily for those concerned with the national use and application of immunizing agents. Although the "Net Distribution" figures are recognized as representing rough approximations only, we believe that a continuing analysis of this kind, interpreted in the light of national and local immunization surveys, will aid in assessing the overall immunization status of the population. It is anticipated that a knowledge of utilization and inventory data will assist in foreseeing possible critical shortages in vaccine supply.

To maintain confidentiality of an individual commercial manufacturer's report for economic and production reasons, current tabulations are available only when at least three producers market and report figures for essentially the same product. This is a basic agreement of the Biologics Surveillance Program.

In some instances, where adequate time has elapsed since production and distribution, manufacturers have allowed the data to be released when not all the criteria of confidentiality could be met. Addition of these data to the summaries completes the "natural history" of early patterns of vaccine utilization.

Each major antigen is represented in the form of a line graph showing "Estimated Net Distribution" for 1968 and 1969. Estimated Net Distribution represents doses of each vaccine distributed for use during the reporting period and is depicted as gross sales or distribution less recordable returned doses. In addition, specific data is tabulated for each antigen reported during the fourth quarter in 1969. Civilian and military data have been combined.

U. S. Department of
Health, Education, and Welfare
Public Health Service

May 8, 1970

COOPERATING IN THIS PROGRAM ARE THE FOLLOWING:

Charles Pfizer & Co., Inc.	The Philadelphia Blood Center
Cutter Laboratories	Philips Roxane, Inc.
Eli Lilly and Company	Pitman-Moore Company
E. R. Squibb & Sons	Wyeth Laboratories
Hyland Laboratories	Illinois Department of Public Health
Lederle Laboratories	Massachusetts Dept. of Public Health
Merck Sharp & Dohme	Michigan Department of Health
The National Drug Company	Texas State Department of Health
Parke, Davis & Company	
National Communicable Disease Center	David J. Sencer, M.D., Director
Advisory Committee on Immunization Practices	H. Bruce Dull, M.D. Secretary, A.C.I.P.; Assistant Director, NCDC
Biologics Surveillance	Robert J. Ellis, Ph.D. Chief, Immunobiologics Activity Laboratory Division

MONTHLY BIOLOGIC SUMMARY FOR DECEMBER 1969

LINE NO.	PRODUCT DESCRIPTION	A* GROSS NO. OF DOSES SOLD OR DISTRIBUTED THIS MONTH	D NO. OF DOSES RETURNED DURING MONTH	E* NET NO. OF DOSES SOLD OR DISTRIBUTED THIS MONTH	B* NO. OF FINISHED DOSES READY FOR IMMEDIATE SHIPMENT AT MONTH END	C NO. OF FINISHED DOSES NOT READY FOR IMMEDIATE SHIPMENT
1-	Influenza Virus Vaccine (if applicable, specify type) Monovalent	**	**	**	**	**
	Bivalent	162,780	131,570	31,210	140,730	**
	Polyvalent	**	**	**	**	**
2.	Diphtheria Toxoid with Tetanus Toxoid (Pediatric)	223,557	25,260	198,297	743,405	480,826
3.	Diphtheria and Tetanus Toxoids with Pertussis Vaccine	1,665,318	72,656	1,592,662	2,553,957	780,335
4.	Tetanus Toxoid with Diphtheria Toxoid (Adult)	1,180,640	10,840	1,169,800	817,770	738,989
5.	Diphtheria Toxoid	**	**	**	**	**
6.	Tetanus Toxoid	1,050,114	70,029	980,085	5,391,482	809,916
7.	Pertussis Vaccine	5,175	1,620	3,555	52,195	**
8.	Diphtheria-Tetanus Toxoids and Poliomyelitis Vaccine Combined: Diphtheria-Tetanus Toxoids and Pertussis and Poliomyelitis Vaccines Combined	**	**	**	**	**
9.	Poliomyelitis Vaccine (Inactivated)	**	**	**	**	**
10.	Poliomyelitis Vaccine, Live, Oral, Type 1	25,473	14,623	10,850	113,241	**
	Type 2	39,201	4,603	34,598	202,698	**
	Type 3	24,570	5,015	19,555	**	**
11.	Poliomyelitis Vaccine, Live, Oral, Trivalent	1,332,890	20,410	1,312,480	5,164,355	**
12.	Measles Virus Vaccine, Live, Attenuated	346,835	36,844	309,991	798,749	3,113,565
13.	Smallpox Vaccine	731,175	158,192	572,983	2,605,910	24,221,545
14.	Rabies Vaccine	29,668	1,156	28,512	8,935	121,727
15.	Immune Serum Globulin (Human)	670,768 cc	21,908 cc	648,860 cc	1,376,986 cc	388,118 cc
	Measles Immune Globulin (Human)	** cc	** cc	** cc	** cc	** cc
	Poliomyelitis Immune Globulin (Human)	** cc	** cc	** cc	** cc	** cc
	Tetanus Immune Globulin (Human)	28,574 cc	223 cc	28,351 cc	238,094 cc	** cc
16.						
17.						

*COLUMN E IS COLUMN A LESS COLUMN D OR NET DOSES DISTRIBUTED; COLUMNS A AND B INCLUDE DOMESTIC AND MILITARY.

**NOT SHOWN SINCE LESS THAN THREE PRODUCERS REPORTED.

BIOLOGICS – UNITED STATES, 1968-1969

Net Doses Distributed Annually

BIOLOGICS	NET TOTAL DOSES	
	1968	1969
Influenza Virus Vaccine (Monovalent)	—	7,455,534
Influenza Virus Vaccine (Polyvalent)	6,345,212	**
Influenza Virus Vaccine (Bivalent)	19,211,766	19,532,576
Diphtheria Toxoid	39,270	61,055
Pertussis Vaccine	156,080	130,285
Tetanus Toxoid	21,870,982	19,707,991
Poliomyelitis Vaccine*	2,572,933	**
Poliovirus Vaccine, Live, Oral, Type 1	514,094	876,314
Poliovirus Vaccine, Live, Oral, Type 2	535,455	507,445
Poliovirus Vaccine, Live, Oral, Type 3	562,965	381,205
Poliovirus Vaccine, Live, Oral, Trivalent	23,893,518	22,535,830
Measles Virus Vaccine, Live, Attenuated	5,268,585	4,928,438
Smallpox Vaccine	21,783,467	15,836,319
Rabies Vaccine	863,773	479,142
Immune Serum Globulin (Human)	7,150,096	6,272,859
Poliomyelitis Immune Globulin (Human)	835,554	**
Tetanus Immune Globulin (Human)	—	693,338

*Inactivated (Salk Type)

COMBINED BIOLOGICS – UNITED STATES, 1968-1969

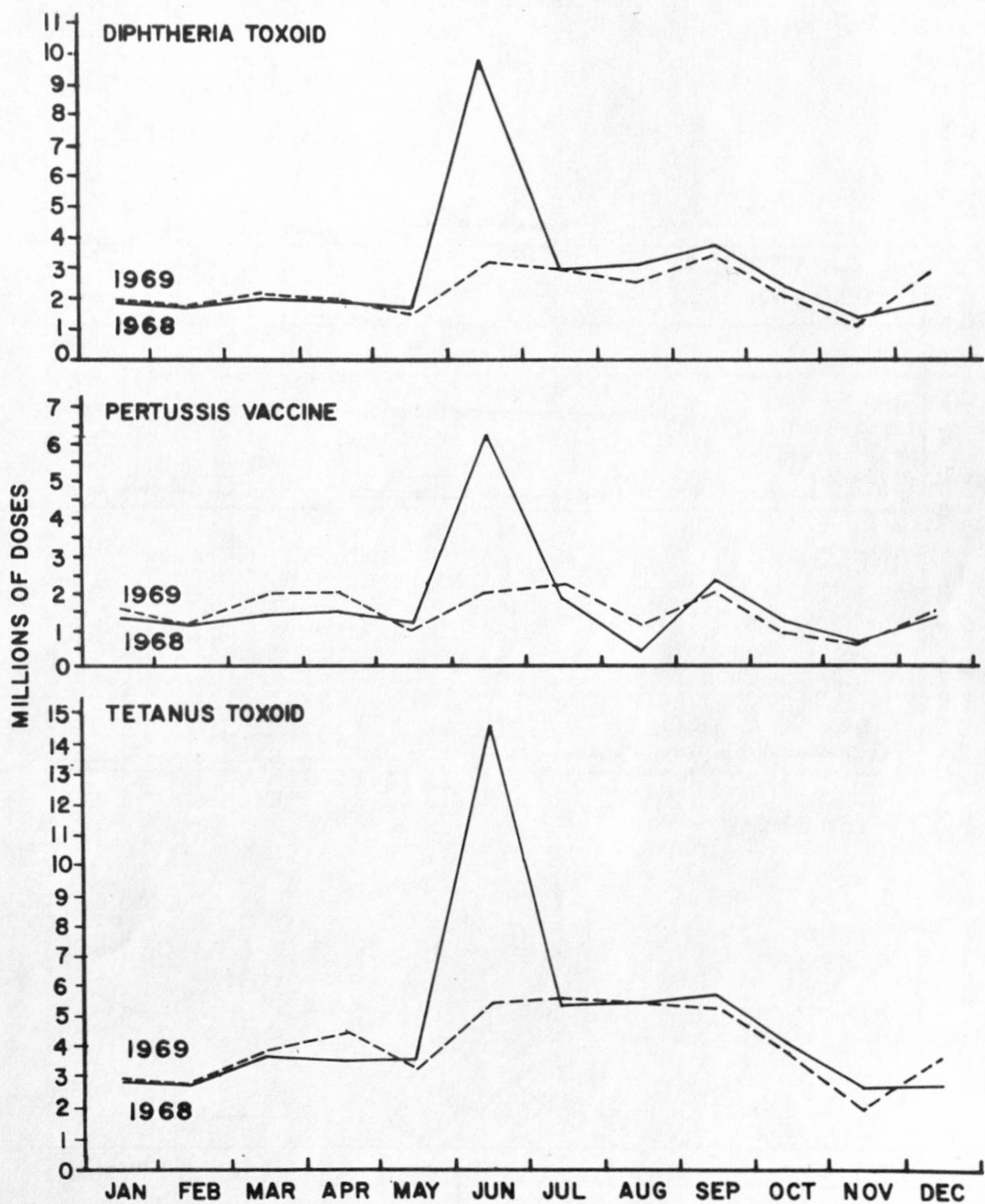
Net Doses Distributed Annually

BIOLOGICS	NET TOTAL DOSES	
	1968	1969
Diphtheria and Tetanus Toxoids Combined	3,829,866	2,110,604
Diphtheria and Tetanus Toxoids and Pertussis Vaccine Combined	22,541,059	18,828,532
Tetanus and Diphtheria Toxoids Combined (For Adult Use)	8,074,330	7,208,550
Diphtheria and Tetanus Toxoids and Poliomyelitis Vaccine; Diphtheria and Tetanus Toxoids and Pertussis and Poliomyelitis Vaccines	127,289	**

**Not shown since fewer than three producers reported.

Figure 1.

DIPHTHERIA AND TETANUS TOXOIDS, PERTUSSIS VACCINE
UNITED STATES* (Net Distribution by Month)



*INCLUDES ALL PRODUCTS CONTAINING THESE ANTIGENS

Figure 3.

MEASLES VIRUS VACCINE, LIVE ATTENUATED
UNITED STATES
(Net Distribution by Month)

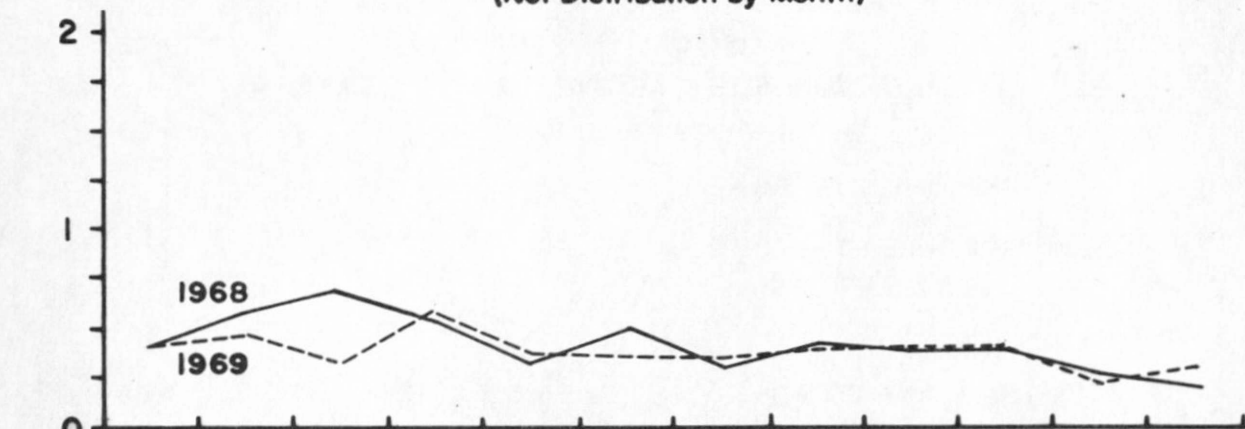


Figure 4.

SMALLPOX VACCINE - UNITED STATES
(Net Distribution by Month)

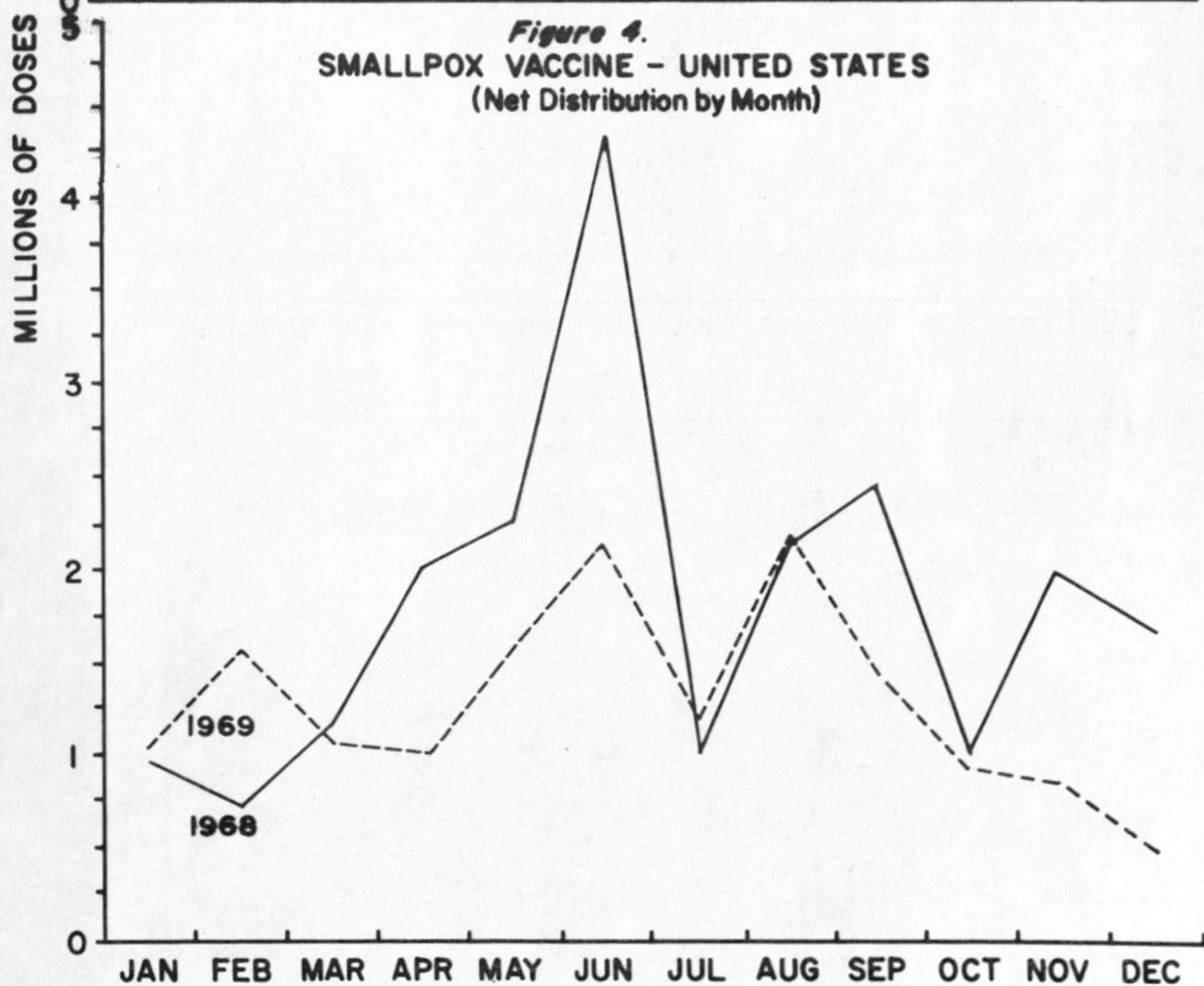
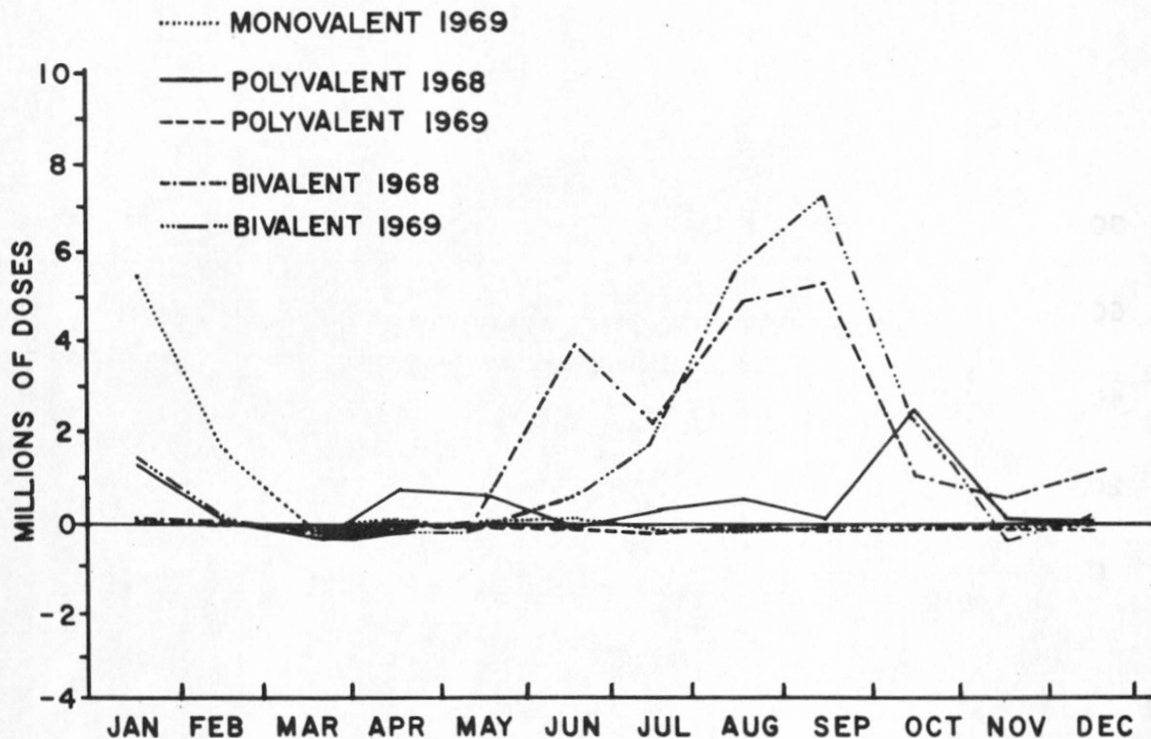


Figure 5.

INFLUENZA VIRUS VACCINE · UNITED STATES*

(Net Distribution by Month)



* INCLUDES ALL PRODUCTS CONTAINING INFLUENZA VACCINE

Figure 6.
RABIES VACCINE · UNITED STATES
 (Net Distribution by Month)

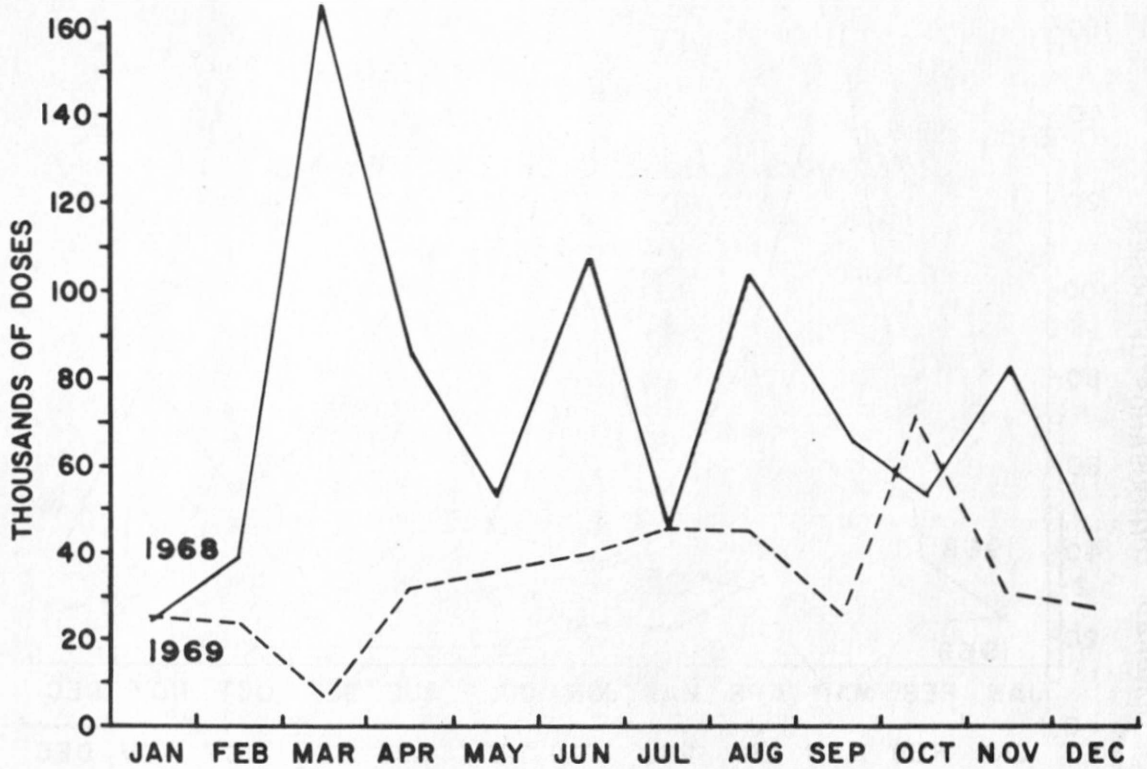


Figure 7.

IMMUNE SERUM GLOBULINS (HUMAN)
UNITED STATES
 (Net Distribution by Month)

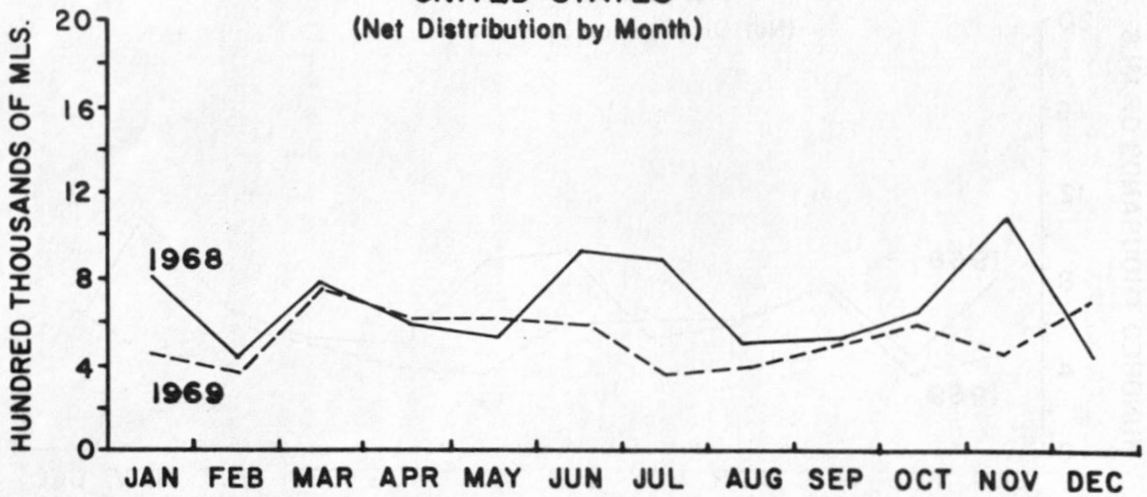


Figure 8.

**TETANUS IMMUNE GLOBULIN (HUMAN)
UNITED STATES**

(Net Distribution by Month)

