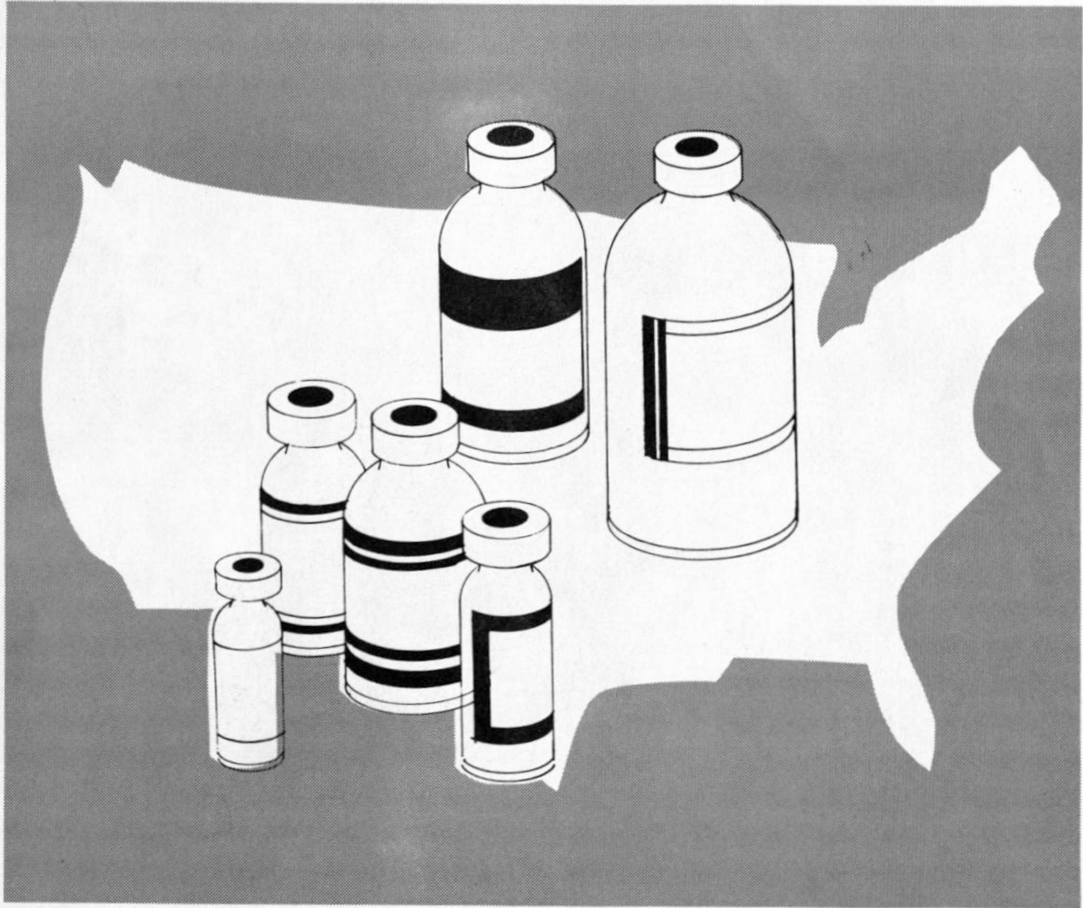


NATIONAL COMMUNICABLE DISEASE CENTER

BIOLOGICS

SURVEILLANCE



Report No. 44

January, February, March 1970

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 the previous year and through the above month in 1970. 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 first quarter in 1970. Civilian and military data have been combined.

COOPERATING IN THIS PROGRAM ARE THE FOLLOWING:

Cutter Laboratories	Pfizer Laboratories
The Dow Chemical Company	Philips Roxane, Inc.
Hyland Laboratories	Wyeth Laboratories
Lederle Laboratories	The Philadelphia Blood Center
Eli Lilly and Company	Illinois Department of Public Health
Merck Sharp & Dohme	Massachusetts Dept. of Public Health
The National Drug Company	Michigan Department of Health
Parke, Davis & Company	Texas State Department of Health
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, NCDC

MONTHLY BIOLOGIC SUMMARY FOR JANUARY 1970

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	28,655	50,915	-22,260	78,380	**
	Polyvalent	**	**	**	**	**
2.	Diphtheria Toxoid with Tetanus Toxoid (Pediatric)	124,952	28,740	96,212	933,128	526,267
3.	Diphtheria and Tetanus Toxoids with Pertussis Vaccine	1,900,883	85,370	1,815,513	2,210,264	724,596
4.	Tetanus Toxoid with Diphtheria Toxoid (Adult)	638,050	6,870	631,180	780,250	734,030
5.	Diphtheria Toxoid	**	**	**	**	**
6.	Tetanus Toxoid	1,014,714	84,842	929,872	5,209,615	1,636,323
7.	Pertussis Vaccine	16,570	2,070	14,500	35,625	**
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	29,060	9,848	19,212	77,888	**
	Type 2	34,452	1,875	32,577	250,628	**
	Type 3	27,460	865	26,595	**	**
11.	Poliomyelitis Vaccine, Live, Oral, Trivalent	1,301,545	11,680	1,289,865	5,220,285	**
12.	Measles Virus Vaccine, Live, Attenuated	290,057	29,217	260,840	1,203,974	2,703,089
13.	Smallpox Vaccine	1,939,204	98,819	1,840,385	2,373,725	20,768,390
14.	Rabies Vaccine	38,732	749	37,983	17,780	145,287
15.	Immune Serum Globulin (Human)	582,054 cc	12,388 cc	569,666 cc	1,496,600 cc	258,752 cc
	Measles Immune Globulin (Human)	** cc	** cc	** cc	** cc	** cc
	Poliomyelitis Immune Globulin (Human)	** cc	** cc	** cc	** cc	** cc
	Tetanus Immune Globulin (Human)	27,582 cc	495 cc	27,087 cc	274,526 cc	35,622 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.

MONTHLY BIOLOGIC SUMMARY FOR FEBRUARY 1970

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	8,830	131,090	-122,260	82,490	**
	Polyvalent	**	**	**	**	**
2.	Diphtheria Toxoid with Tetanus Toxoid (Pediatric)	88,467	38,335	50,132	938,651	790,922
3.	Diphtheria and Tetanus Toxoids with Pertussis Vaccine	1,609,216	113,845	1,495,371	2,165,045	868,424
4.	Tetanus Toxoid with Diphtheria Toxoid (Adult)	371,520	104,340	267,180	1,610,950	521,790
5.	Diphtheria Toxoid	**	**	**	**	**
6.	Tetanus Toxoid	906,261	133,685	772,576	5,745,458	1,242,774
7.	Pertussis Vaccine	10,435	825	9,610	44,205	**
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	19,075	12,040	7,035	**	**
	Type 2	28,942	2,660	26,282	269,511	**
	Type 3	19,600	2,050	17,550	**	**
11.	Poliomyelitis Vaccine, Live, Oral, Trivalent	973,328	24,990	948,338	5,106,790	**
12.	Measles Virus Vaccine, Live, Attenuated	291,069	40,082	250,987	1,016,711	2,314,889
13.	Smallpox Vaccine	1,273,292	99,218	1,174,074	2,941,536	20,134,149
14.	Rabies Vaccine	64,103	1,253	62,850	47,150	117,917
15.	Immune Serum Globulin (Human)	538,374 cc	18,430 cc	519,944 cc	1,659,730 cc	334,700 cc
	Measles Immune Globulin (Human)	** cc	** cc	** cc	** cc	** cc
	Poliomyelitis Immune Globulin (Human)	** cc	** cc	** cc	** cc	** cc
	Tetanus Immune Globulin (Human)	28,416 cc	267 cc	28,149 cc	303,364 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, 1970

Biologics	Net Total Doses
	January through March 1970
Influenza Virus Vaccine (Monovalent)	**
Influenza Virus Vaccine (Polyvalent)	**
Influenza Virus Vaccine (Bivalent)	(-212,710)
Diphtheria Toxoid	**
Pertussis Vaccine	29,855
Tetanus Toxoid	3,324,720
Poliomyelitis Vaccine*	**
Poliovirus Vaccine, Live, Oral, Type 1	37,383
Poliovirus Vaccine, Live, Oral, Type 2	107,519
Poliovirus Vaccine, Live, Oral, Type 3	73,350
Poliovirus Vaccine, Live, Oral, Trivalent	4,416,143
Measles Virus Vaccine, Live, Attenuated	906,670
Smallpox Vaccine	4,182,713
Rabies Vaccine	151,195
Immune Serum Globulin (Human)	1,796,086
Poliomyelitis Immune Globulin (Human)	**
Tetanus Immune Globulin (Human)	95,353

*Inactivated (Salk Type)

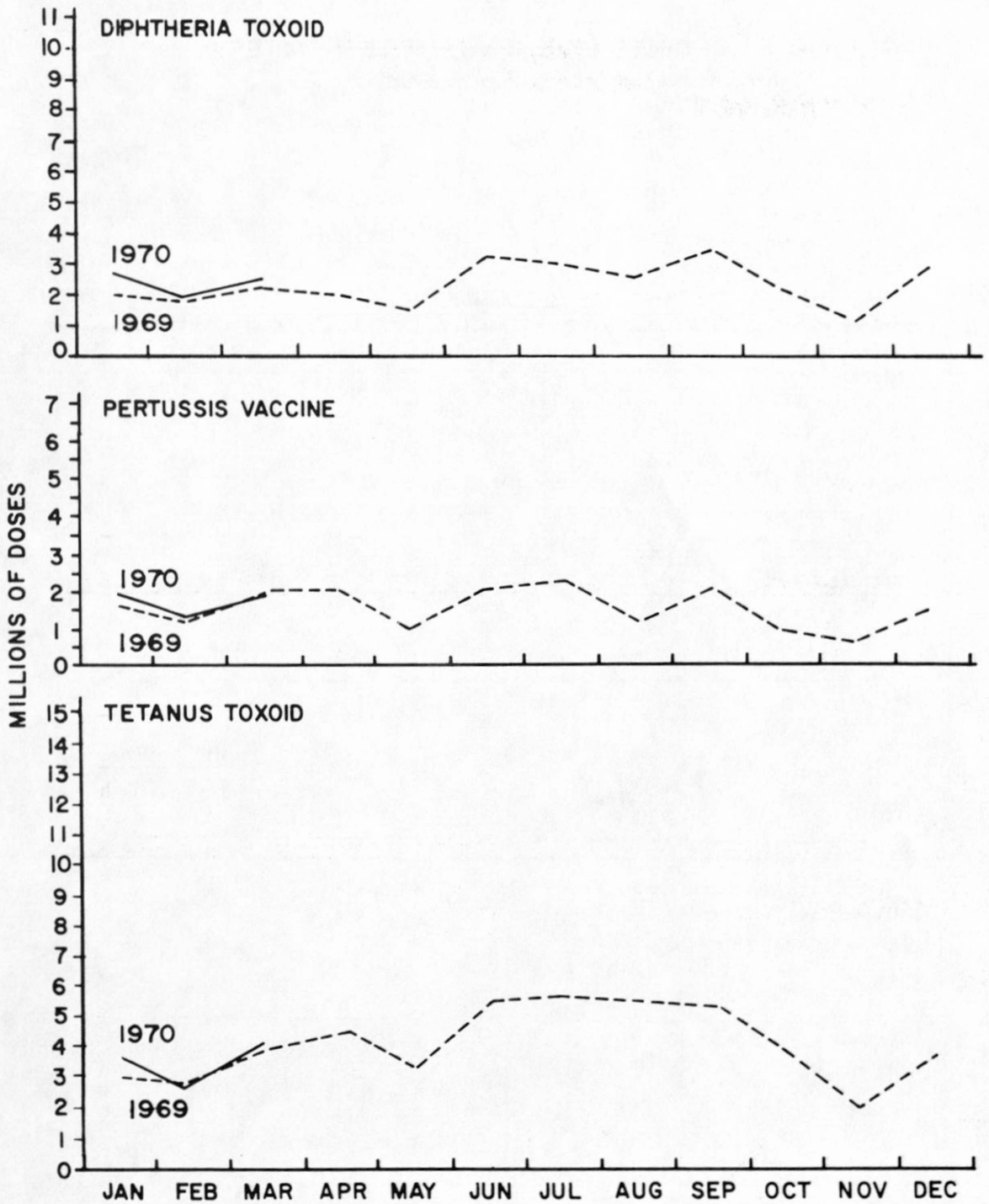
COMBINED BIOLOGICS – UNITED STATES, 1970

Biologics	Net Total Doses
	January through March 1970
Diphtheria and Tetanus Toxoids Combined	334,269
Diphtheria and Tetanus Toxoids and Pertussis Vaccine Combined	5,028,702
Tetanus and Diphtheria Toxoids Combined (For Adult Use)	1,358,700
Diphtheria and Tetanus Toxoids and Poliomyelitis Vaccine; Diphtheria and Tetanus Toxoids and Pertussis and Poliomyelitis Vaccines	**

**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 2.

POLIOVIRUS VACCINES, LIVE, ORAL-UNITED STATES,
(Net Distribution by Month)

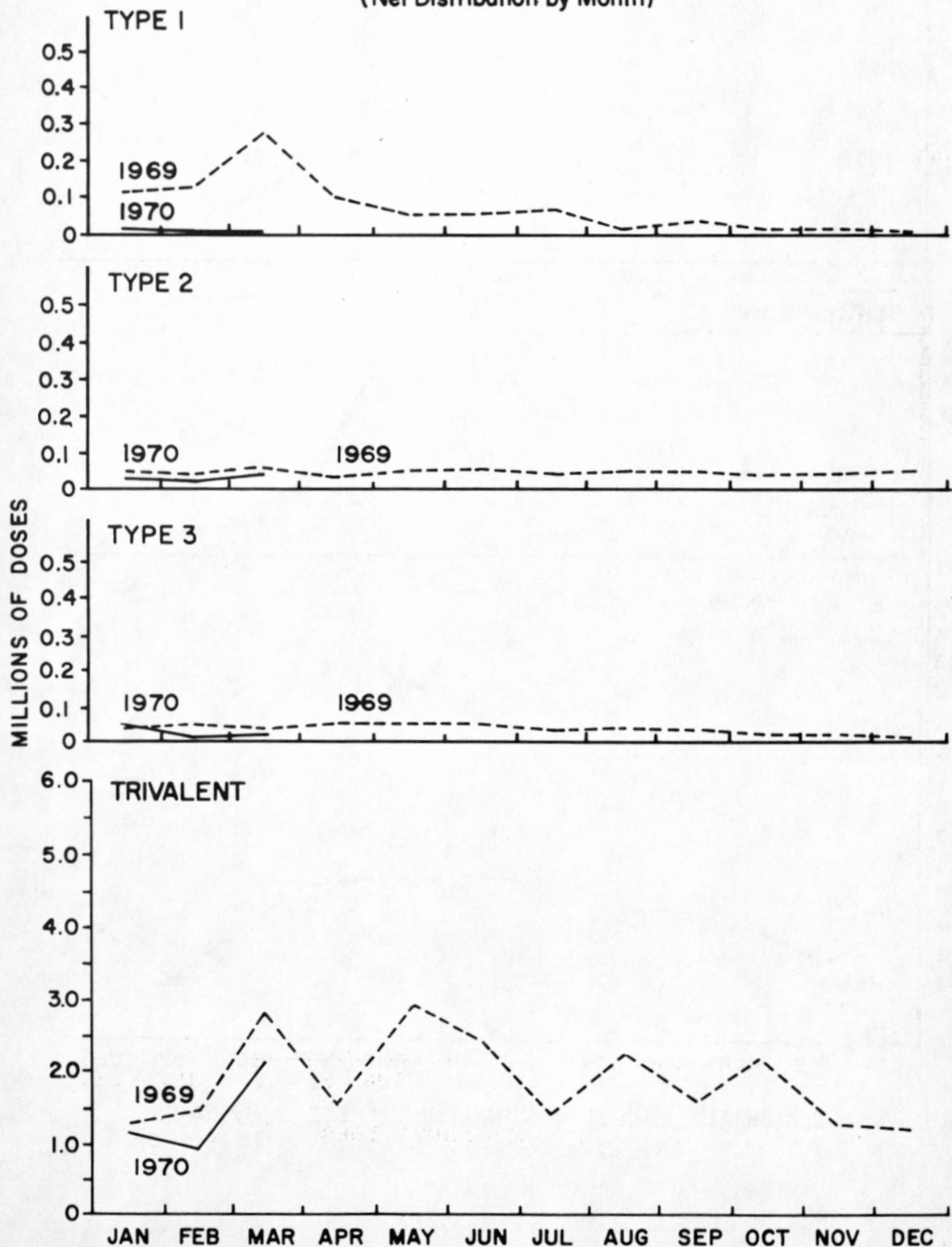


Figure 3.

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

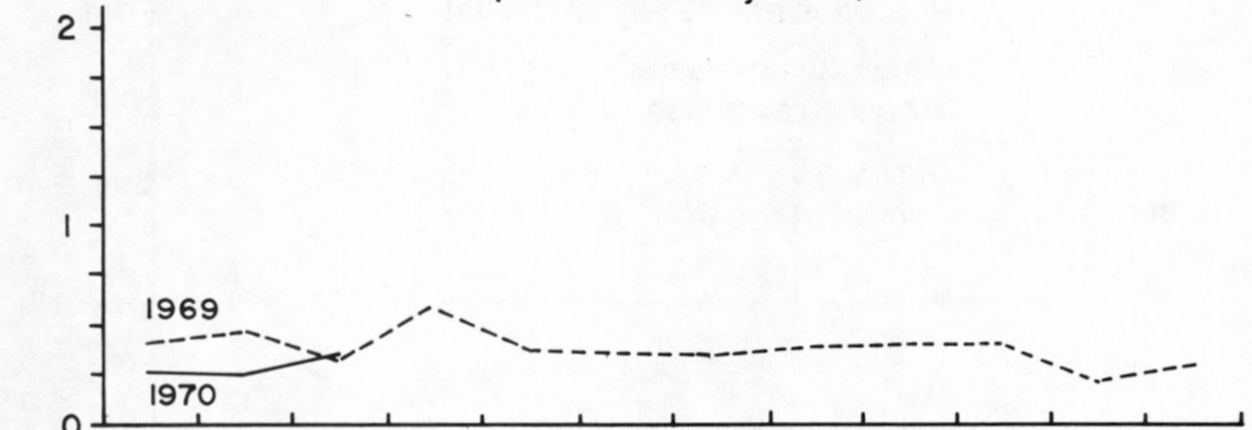


Figure 4.

SMALLPOX VACCINE - UNITED STATES
(Net Distribution by Month)

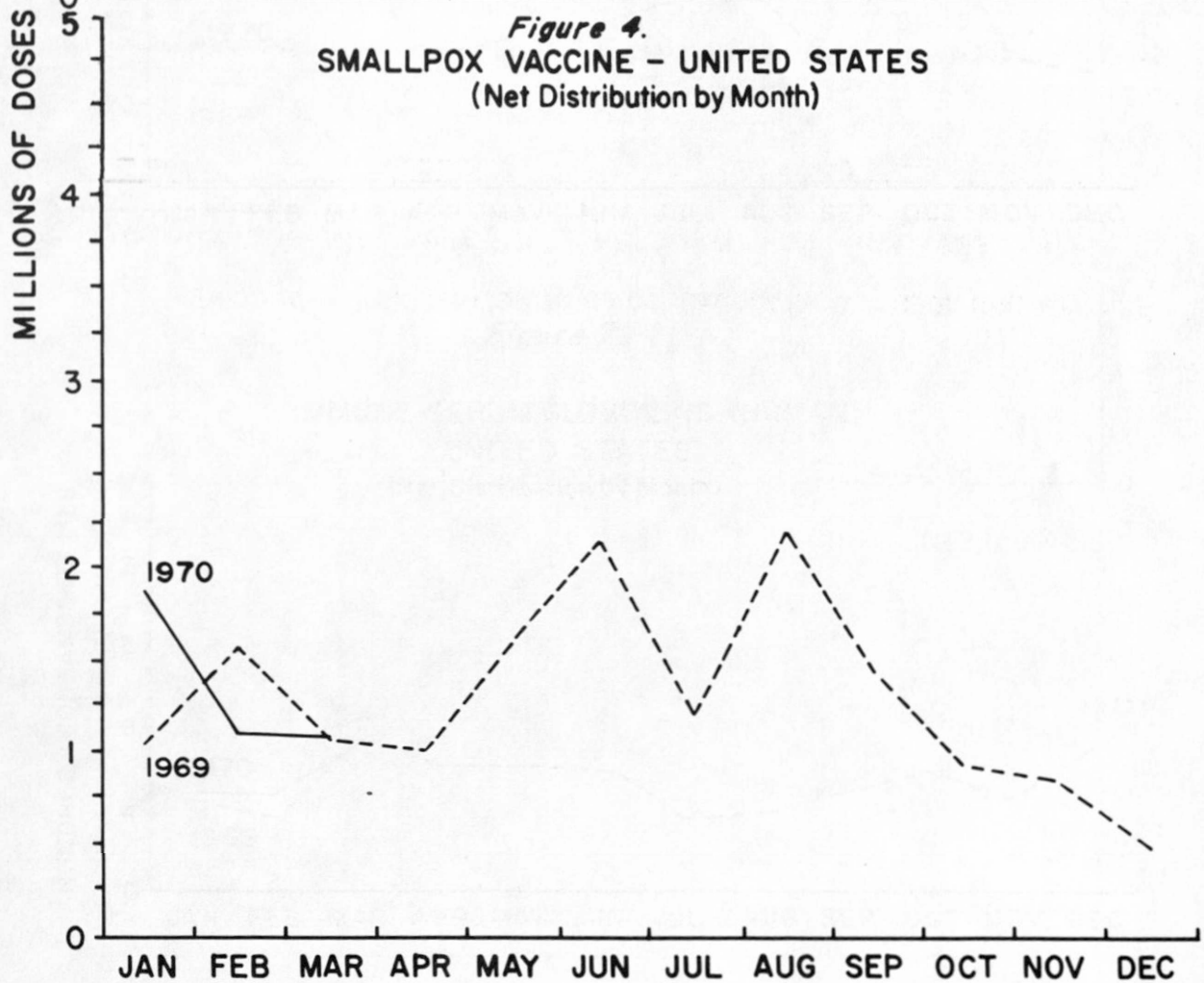
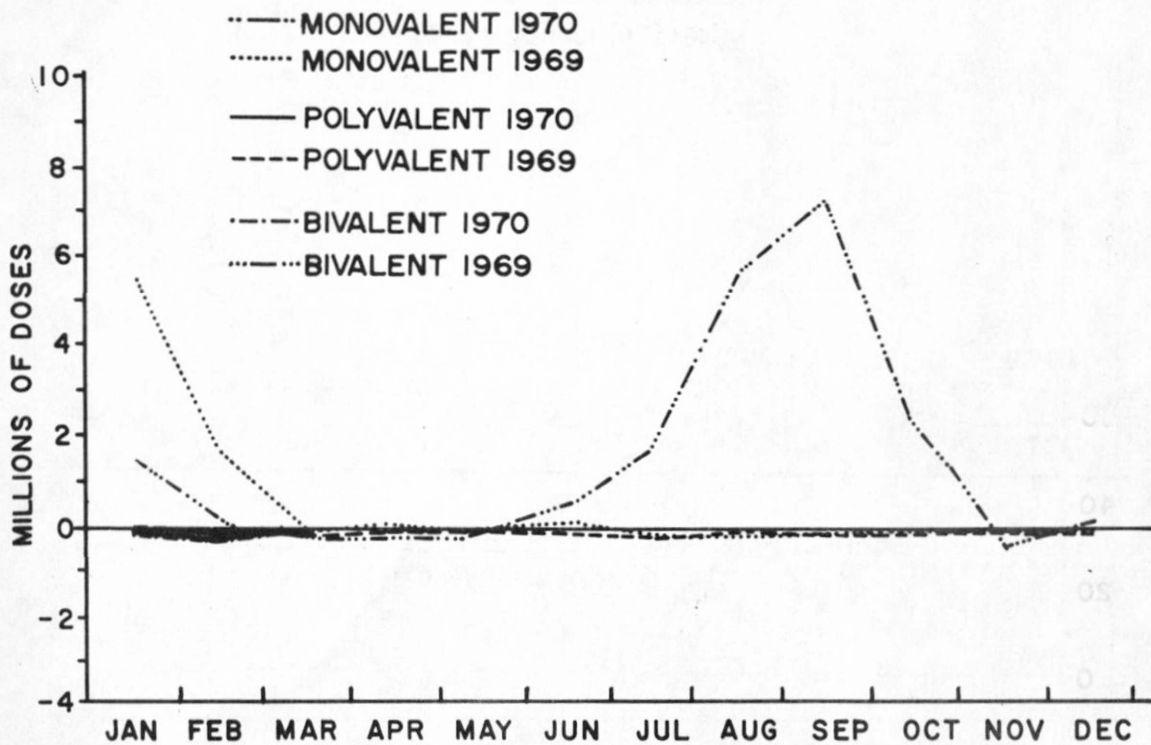


Figure 5.

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)

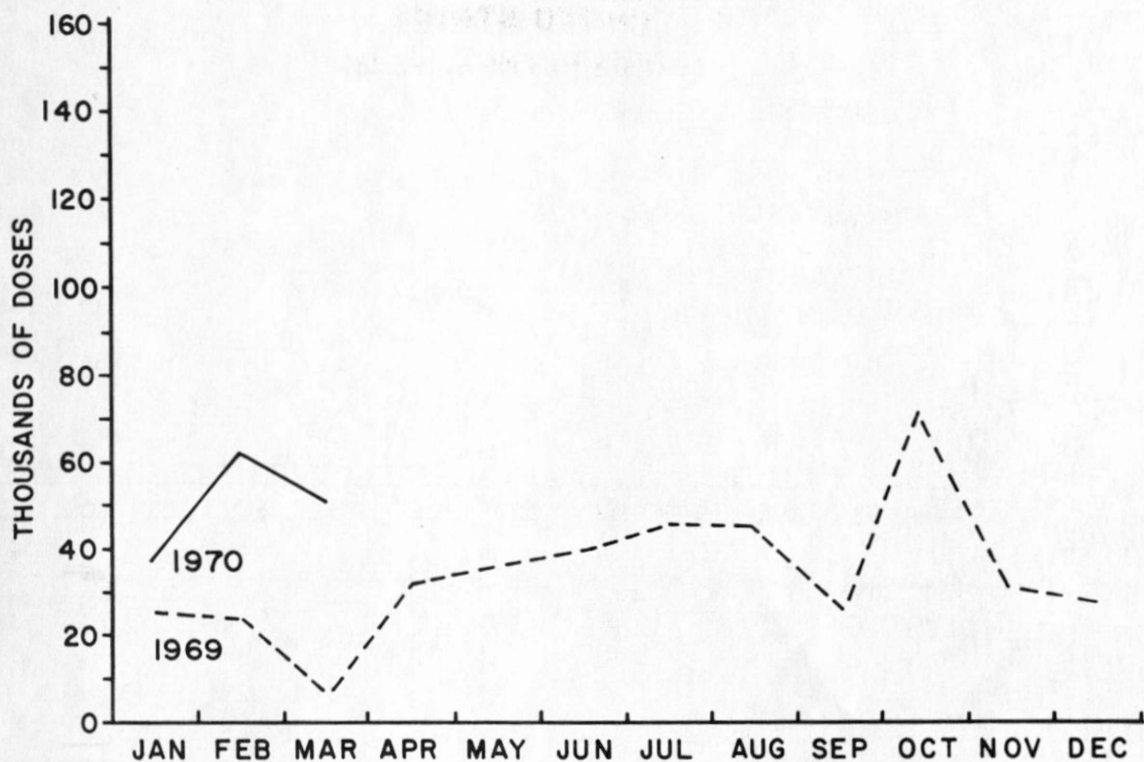


Figure 7.

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

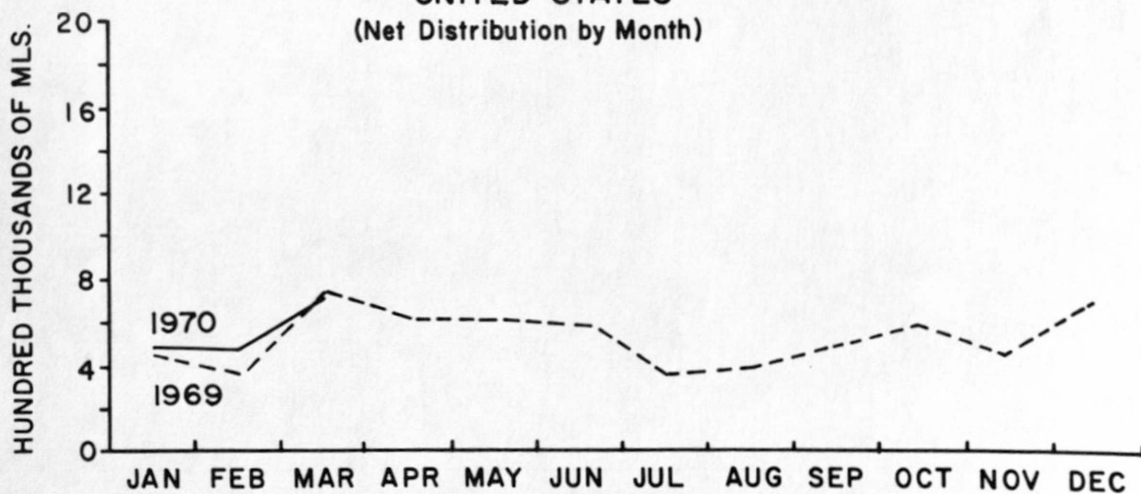


Figure 8.

**TETANUS IMMUNE GLOBULIN (HUMAN)
UNITED STATES**
(Net Distribution by Month)

