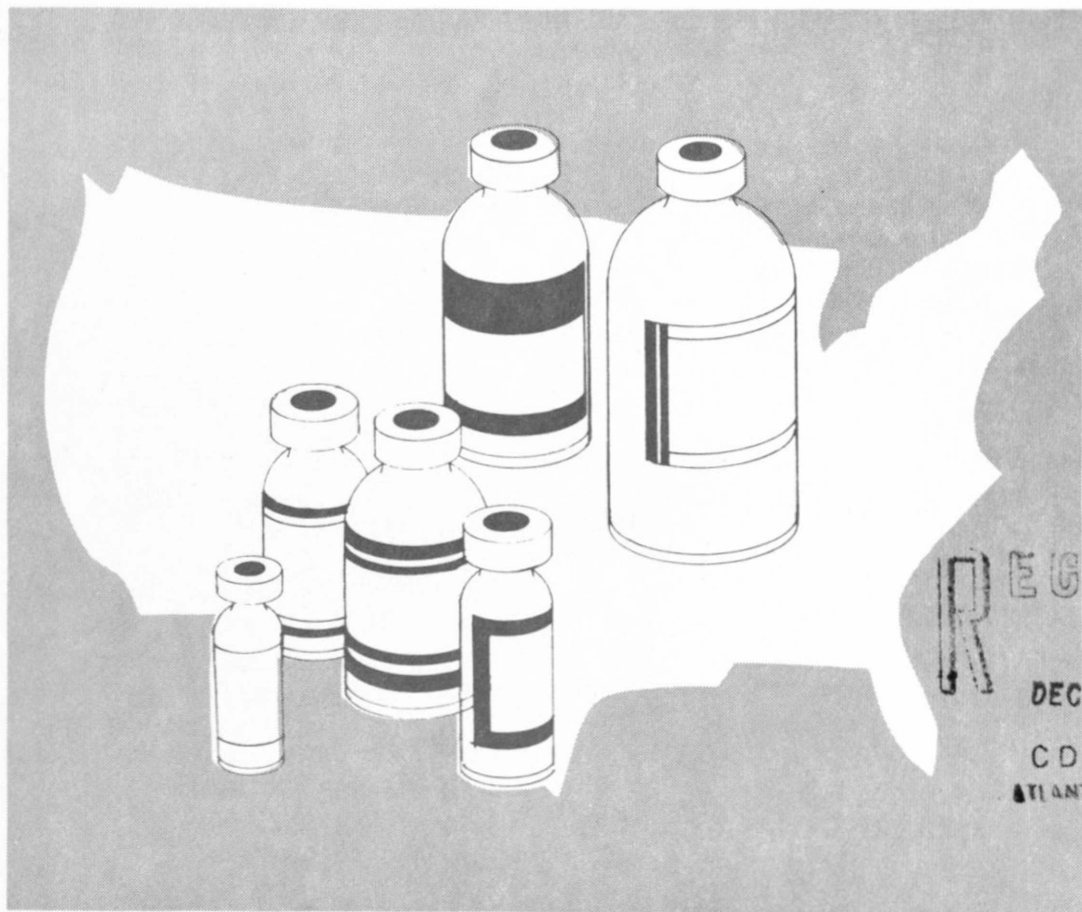


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CENTER FOR DISEASE CONTROL
BIOLOGICS
SURVEILLANCE

REPORT NO. 54
JULY, AUGUST, SEPTEMBER 1972



COOPERATING IN THIS PROGRAM ARE THE FOLLOWING:

Armour Pharmaceutical Company
Cutter Laboratories
The Dow Chemical Company
Hyland Laboratories
Illinois Department of Public Health
Lederle Laboratories
Eli Lilly and Company
Massachusetts Department of Public Health
Merck Sharp & Dohme

Merrell-National Laboratories
Michigan Department of Health
Parke, Davis & Company
Pfizer Laboratories
Philips Roxane, Inc.
Smith Kline & French Laboratories
E. R. Squibb & Sons, Inc.
Texas State Department of Health
Wyeth Laboratories

CENTER FOR DISEASE CONTROL

ADVISORY COMMITTEE ON
IMMUNIZATION PRACTICES

STATE AND COMMUNITY
SERVICES DIVISION

IMMUNIZATION BRANCH

BIOLOGICS SURVEILLANCE

David J. Sencer, M.D.
Director

H. Bruce Dull
Secretary

Richard S. Hibbetts
Acting Director

John J. Witte, M.D.
Chief

Donald L. Eddins
JoDean F. Sanders

BIOLOGICS SURVEILLANCE

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.

Each major antigen is represented in the form of a line graph showing "Estimated Net Distribution" for the previous year and through the current month of this year. 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 this quarter and is cumulated from the first of the year until present time. Civilian and military data have been combined.

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.

MONTHLY BIOLOGIC SUMMARY FOR JULY 1972

PRODUCT DESCRIPTION		NET NO. OF DOSES SOLD OR DISTRIBUTED THIS MONTH	GROSS NO. OF DOSES SOLD OR DISTRIBUTED THIS MONTH	NO. OF DOSES RETURNED DURING MONTH	NO. OF FINISHED DOSES READY FOR IMMEDIATE SHIPMENT AT MONTH END	NO. OF FINISHED DOSES NOT READY FOR IMMEDIATE SHIPMENT
Influenza Virus Vaccine	Monovalent	**	**	**	**	**
	Bivalent	1,752,499	1,821,354	68,855	6,316,715	1,042,750
	Polyvalent	**	**	**	**	**
Diphtheria Toxoid with Tetanus Toxoid (Pediatric)		176,065	205,500	29,435	1,074,970	633,960
Diphtheria and Tetanus Toxoids with Pertussis Vaccine		1,295,335	1,346,115	50,780	6,861,485	1,105,024
Tetanus Toxoid with Diphtheria Toxoid (Adult)		390,760	431,930	41,170	5,493,201	749,383
Diphtheria Toxoid		**	**	**	**	**
Tetanus Toxoid		1,959,044	2,026,493	67,449	6,154,935	1,230,677
Pertussis Vaccine		1,450	4,120	2,670	58,095	**
Poliomyelitis Vaccine (Inactivated)		**	**	**	**	**
Poliomyelitis Vaccine, Live, Oral,	Type 1	**	**	**	**	**
	Type 2	**	**	**	**	**
	Type 3	**	**	**	**	**
Poliomyelitis Vaccine, Live, Oral, Trivalent		2,554,435	2,649,275	94,840	6,918,315	**
Measles Virus Vaccine, Live, Attenuated (1)		486,620	523,620	37,000	958,586	**
Rubella Virus Vaccine, Live (1)		393,455	407,434	13,979	1,683,439	**
Smallpox Vaccine		297,818	327,174	29,356	1,311,650	12,743,308
Rabies Vaccine		80,997	81,604	607	32,992	245,064
Immune Serum Globulin (Human)		580,456	586,760	6,304	1,355,398	1,193,627
Measles Immune Globulin (Human)		**	**	**	**	**
Poliomyelitis Immune Globulin (Human)		**	**	**	**	**
Tetanus Immune Globulin (Human)		83,717	85,849	2,132	320,214	352,100

**Not shown since fewer than three distributors reported

(1) All products containing this antigen.

HSM 4.206A

MONTHLY BIOLOGIC SUMMARY FOR AUGUST 1972

PRODUCT DESCRIPTION		NET NO. OF DOSES SOLD OR DISTRIBUTED THIS MONTH	GROSS NO. OF DOSES SOLD OR DISTRIBUTED THIS MONTH	NO. OF DOSES RETURNED DURING MONTH	NO. OF FINISHED DOSES READY FOR IMMEDIATE SHIPMENT AT MONTH END	NO. OF FINISHED DOSES NOT READY FOR IMMEDIATE SHIPMENT
Influenza Virus Vaccine	Monovalent	**	**	**	**	**
	Bivalent	5,790,316	5,915,673	125,357	3,140,675	1,618,111
	Polyvalent	**	**	**	**	**
Diphtheria Toxoid with Tetanus Toxoid (Pediatric)		268,370	303,285	34,915	990,960	533,500
Diphtheria and Tetanus Toxoids with Pertussis Vaccine		1,291,990	1,348,320	56,330	4,251,550	927,080
Tetanus Toxoid with Diphtheria Toxoid (Adult)		731,160	758,220	27,060	1,417,980	548,810
Diphtheria Toxoid		**	**	**	**	**
Tetanus Toxoid		1,786,968	1,857,671	70,703	3,579,063	1,663,160
Pertussis Vaccine		8,250	10,980	2,730	37,245	**
Poliomyelitis Vaccine (Inactivated)		**	**	**	**	**
Poliomyelitis Vaccine, Live, Oral,	Type 1	**	**	**	**	**
	Type 2	**	**	**	**	**
	Type 3	**	**	**	**	**
Poliomyelitis Vaccine, Live, Oral, Trivalent		2,723,365	2,787,715	64,350	5,159,750	**
Measles Virus Vaccine, Live, Attenuated (1)		1,124,850	1,166,957	42,107	705,149	1,210,568
Rubella Virus Vaccine, Live (1)		1,128,438	1,154,307	25,869	1,155,991	**
Smallpox Vaccine		486,782	518,959	32,177	1,149,825	12,317,423
Rabies Vaccine		30,800	31,028	228	82,654	195,167
Immune Serum Globulin (Human)		523,607	537,223	13,616	2,342,419	229,474
Measles Immune Globulin (Human)		**	**	**	**	**
Poliomyelitis Immune Globulin (Human)		**	**	**	**	**
Tetanus Immune Globulin (Human)		86,110	88,882	2,772	257,653	250,657

**Not shown since fewer than three distributors reported

HSM 4.206A

(1) All products containing this antigen.

MONTHLY BIOLOGIC SUMMARY FOR SEPTEMBER 1972

PRODUCT DESCRIPTION		NET NO. OF DOSES SOLD OR DISTRIBUTED THIS MONTH	GROSS NO. OF DOSES SOLD OR DISTRIBUTED THIS MONTH	NO. OF DOSES RETURNED DURING MONTH	NO. OF FINISHED DOSES READY FOR IMMEDIATE SHIPMENT AT MONTH END	NO. OF FINISHED DOSES NOT READY FOR IMMEDIATE SHIPMENT
Influenza Virus Vaccine	Monovalent	**	**	**	**	**
	Bivalent	5,211,717	5,434,022	222,305	3,083,924	435,470
	Polyvalent	**	**	**	**	**
Diphtheria Toxoid with Tetanus Toxoid (Pediatric)		140,845	166,100	25,255	922,425	557,930
Diphtheria and Tetanus Toxoids with Pertussis Vaccine		1,311,410	1,376,165	64,755	7,033,995	1,037,985
Tetanus Toxoid with Diphtheria Toxoid (Adult)		736,230	743,000	6,770	2,337,180	433,460
Diphtheria Toxoid		**	**	**	**	**
Tetanus Toxoid		1,432,600	1,483,196	50,596	4,594,421	1,072,658
Pertussis Vaccine		6,215	7,400	1,185	29,085	**
Poliomyelitis Vaccine (Inactivated)		**	**	**	**	**
Poliomyelitis Vaccine, Live, Oral,	Type 1	**	**	**	**	**
	Type 2	**	**	**	**	**
	Type 3	**	**	**	**	**
Poliomyelitis Vaccine, Live, Oral, Trivalent		2,446,195	2,472,135	25,940	5,061,845	**
Measles Virus Vaccine, Live, Attenuated ⁽¹⁾		709,908	750,375	40,467	1,198,472	1,012,869
Rubella Virus Vaccine, Live ⁽¹⁾		826,723	852,118	25,395	1,112,712	**
Smallpox Vaccine		284,779	326,853	42,074	1,152,459	13,047,108
Rabies Vaccine		25,812	26,099	287	73,103	175,357
Immune Serum Globulin (Human)		451,054	465,837	14,783	2,499,550	453,748
Measles Immune Globulin (Human)		**	**	**	**	**
Poliomyelitis Immune Globulin (Human)		**	**	**	**	**
Tetanus Immune Globulin (Human)		71,407	78,188	6,781	266,173	124,825

**Not shown since fewer than three distributors reported

(1) All products containing this antigen.

HSM 4.206A

DISTRIBUTION OF BIOLOGICS – UNITED STATES, 1972

BIOLOGICS	TOTAL NET DOSES	
	July-September 1972	January-September 1972
Influenza Virus Vaccine (Monovalent)	**	**
Influenza Virus Vaccine (Polyvalent)	**	**
Influenza Virus Vaccine (Bivalent)	12,754,532	13,415,593
Diphtheria Toxoid	**	**
Pertussis Vaccine	15,915	57,375
Tetanus Toxoid	5,178,612	12,666,190
Poliomyelitis Vaccine (Inactivated)	**	**
Poliovirus Vaccine, Live, Oral, Type 1	**	**
Poliovirus Vaccine, Live, Oral, Type 2	**	**
Poliovirus Vaccine, Live, Oral, Type 3	**	**
Poliovirus Vaccine, Live, Oral, Trivalent	7,723,995	19,812,057
Measles Virus Vaccine, Live, Attenuated ⁽¹⁾	2,321,378	6,809,069
Rubella Virus Vaccine, Live ⁽¹⁾	2,348,616	6,400,083
Smallpox Vaccine	1,069,379	4,559,008
Rabies Vaccine	137,609	384,961
Immune Serum Globulin (Human)	1,555,117	4,996,844
Tetanus Immune Globulin (Human)	241,234	651,715

***Not shown since fewer than three distributors reported*

(1) All products containing this antigen

DISTRIBUTION OF COMBINED BIOLOGICS – UNITED STATES, 1972

BIOLOGICS	TOTAL NET DOSES	
	July-September 1972	January-September 1972
Diphtheria and Tetanus Toxoids Combined	585,280	1,079,895
Diphtheria and Tetanus Toxoids and Pertussis Vaccine Combined	3,898,735	13,535,222
Tetanus and Diphtheria Toxoids Combined (for adult use)	1,858,150	4,803,440

***Not shown since fewer than three distributors reported*

FIGURE 1
DIPHTHERIA TOXOID, PERTUSSIS VACCINE, AND TETANUS TOXOID
NET DISTRIBUTION BY MONTH – UNITED STATES

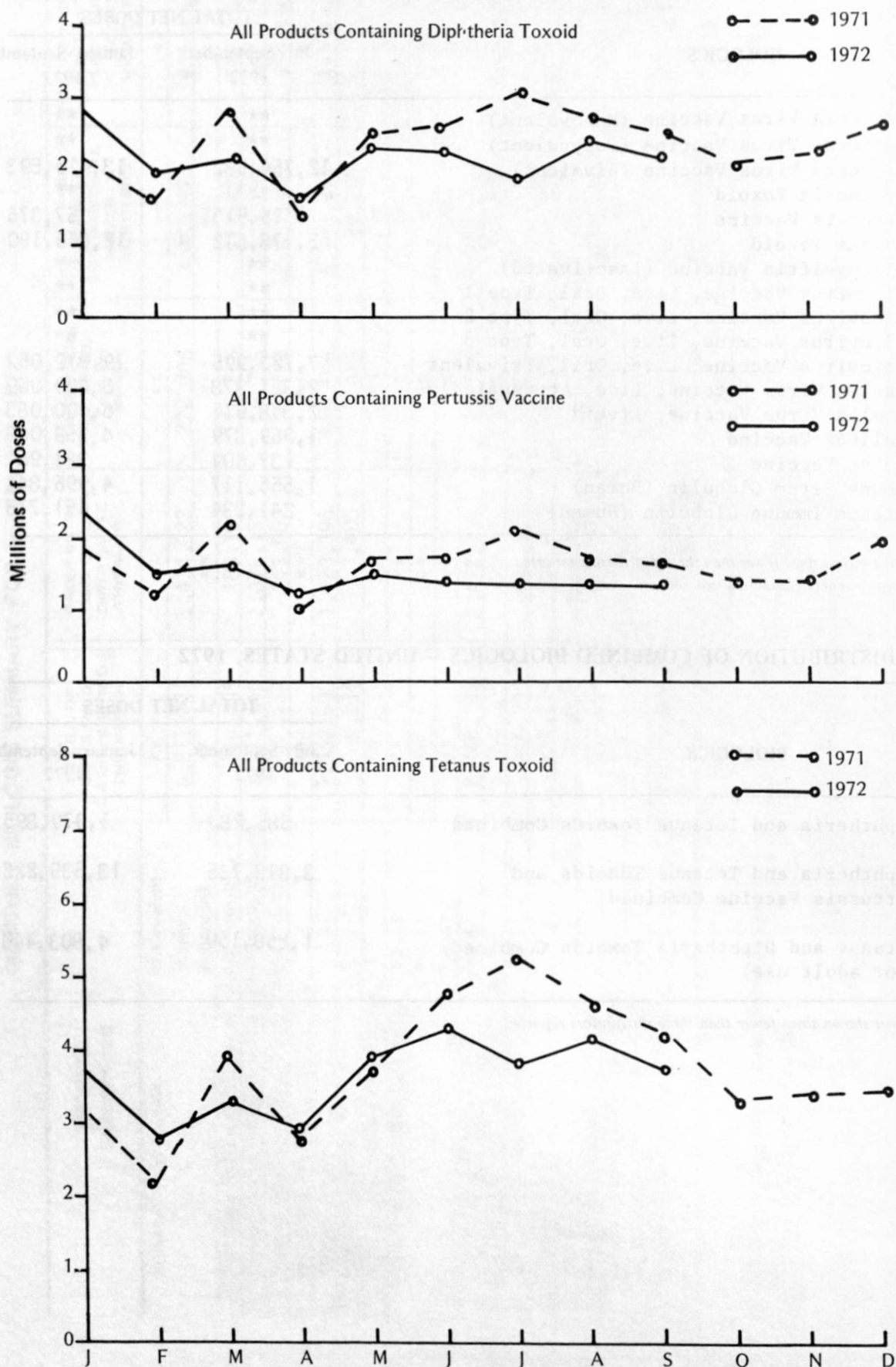


FIGURE 2
POLIOVIRUS VACCINE, LIVE, ORAL, TRIVALENT
NET DISTRIBUTION BY MONTH – UNITED STATES

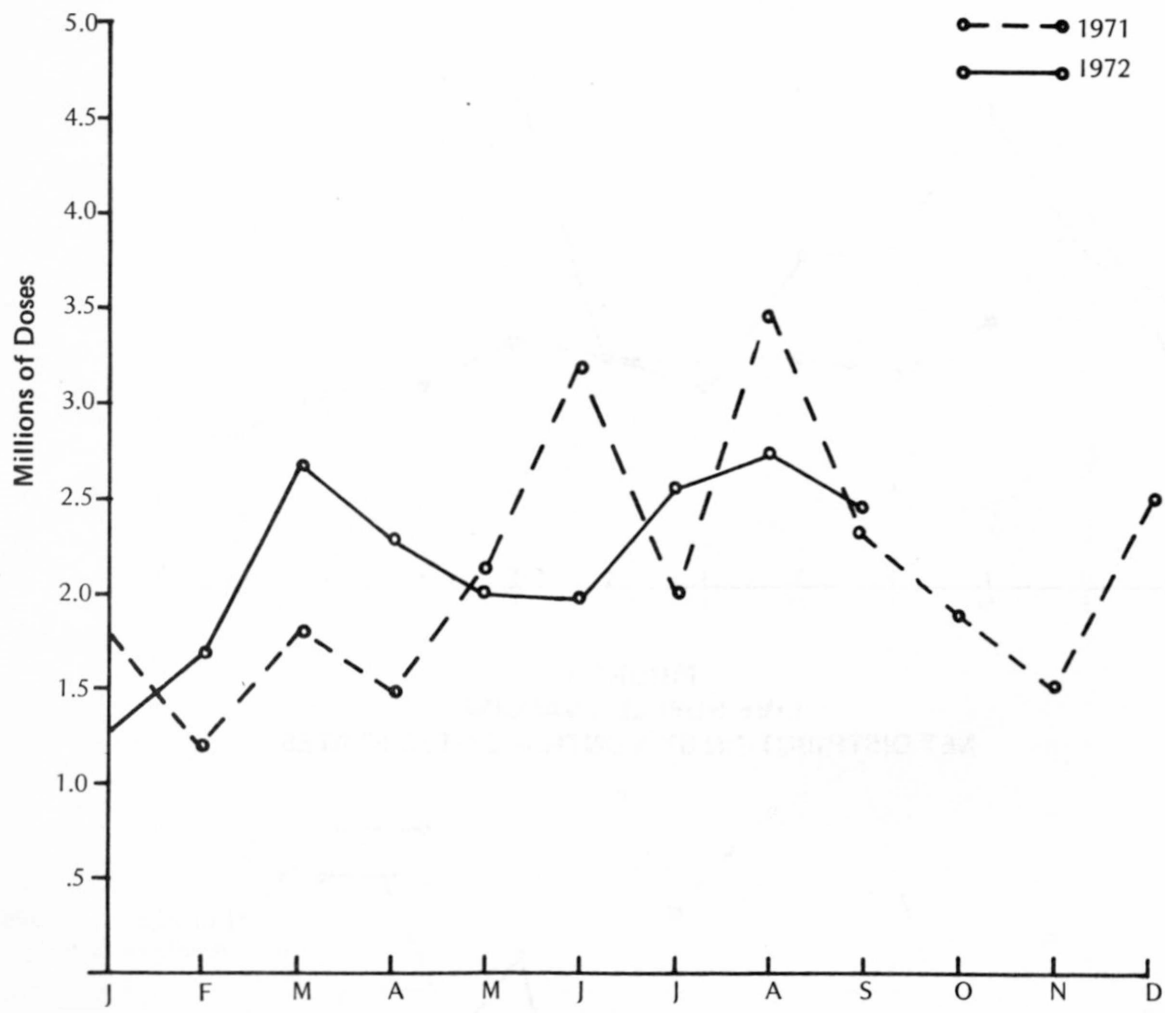


FIGURE 3
LIVE ATTENUATED MEASLES VACCINE
NET DISTRIBUTION BY MONTH – UNITED STATES

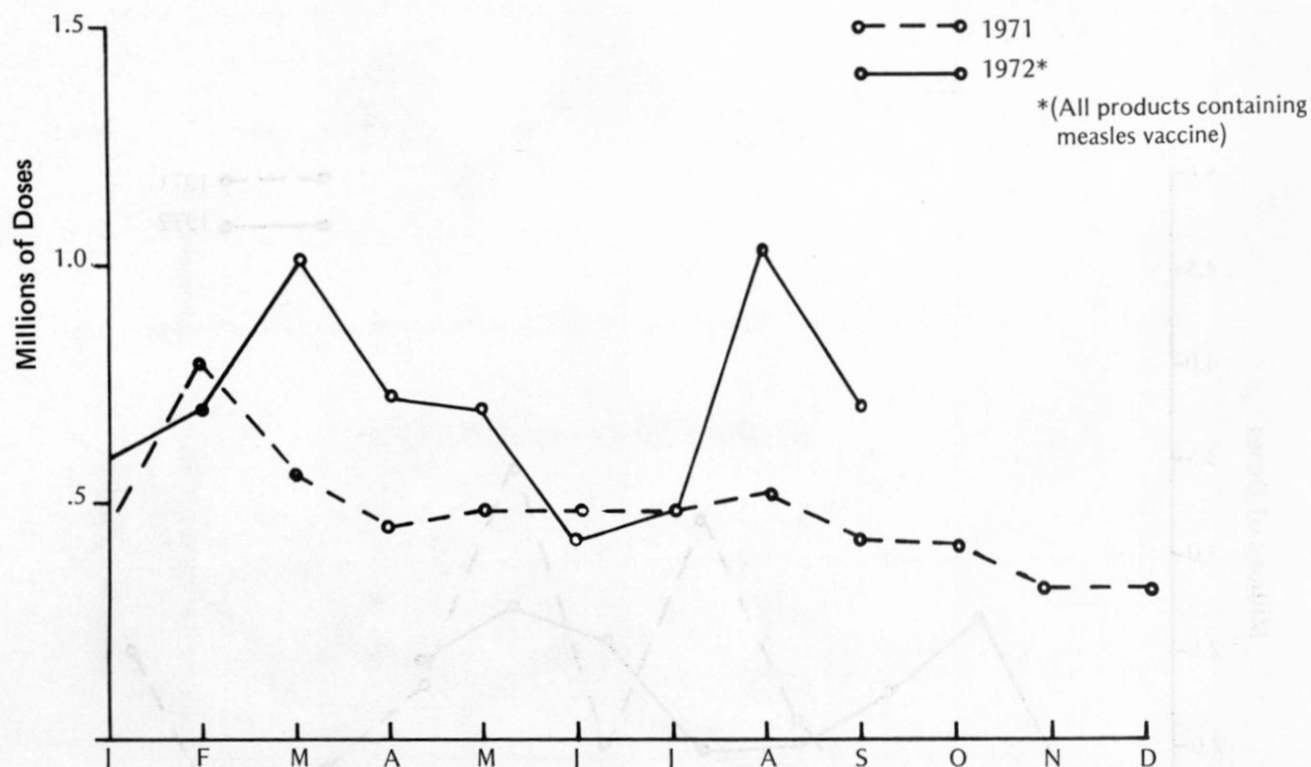


FIGURE 4
LIVE RUBELLA VACCINE
NET DISTRIBUTION BY MONTH – UNITED STATES

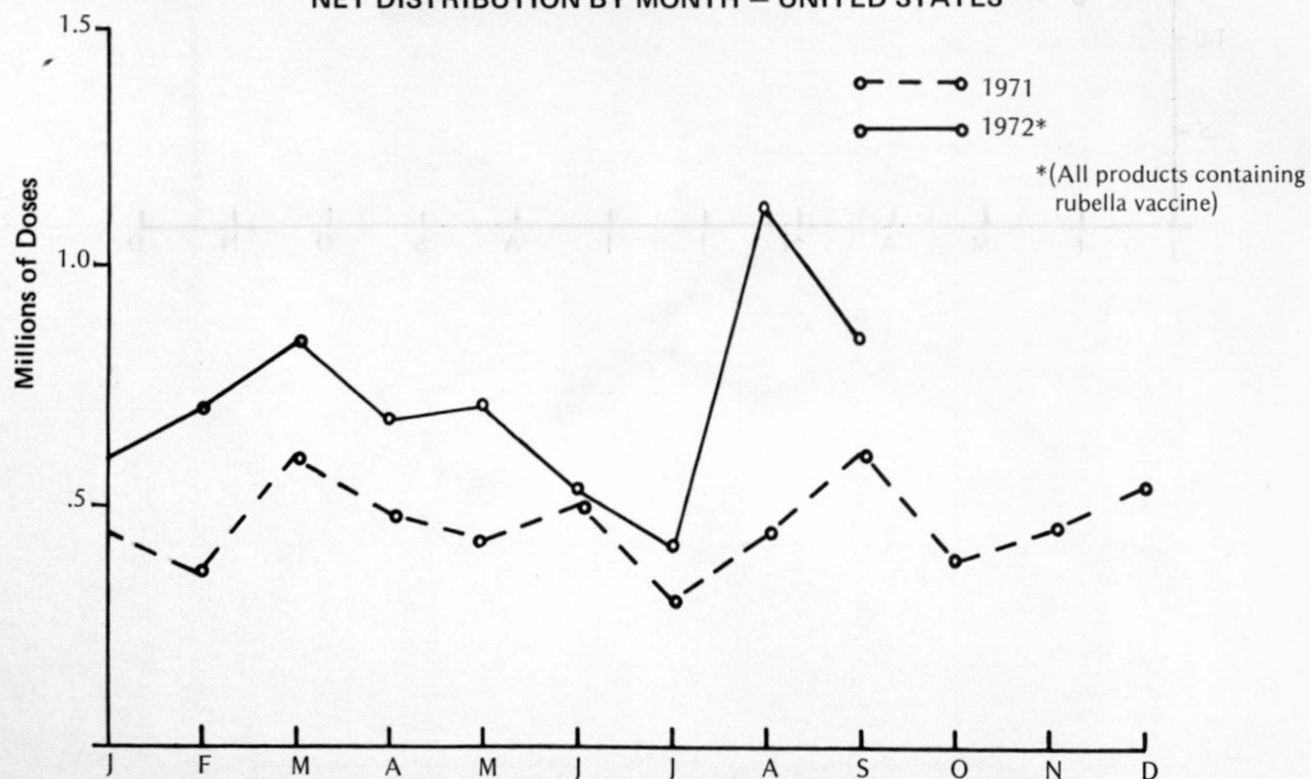


FIGURE 5
SMALLPOX VACCINE
NET DISTRIBUTION BY MONTH – UNITED STATES

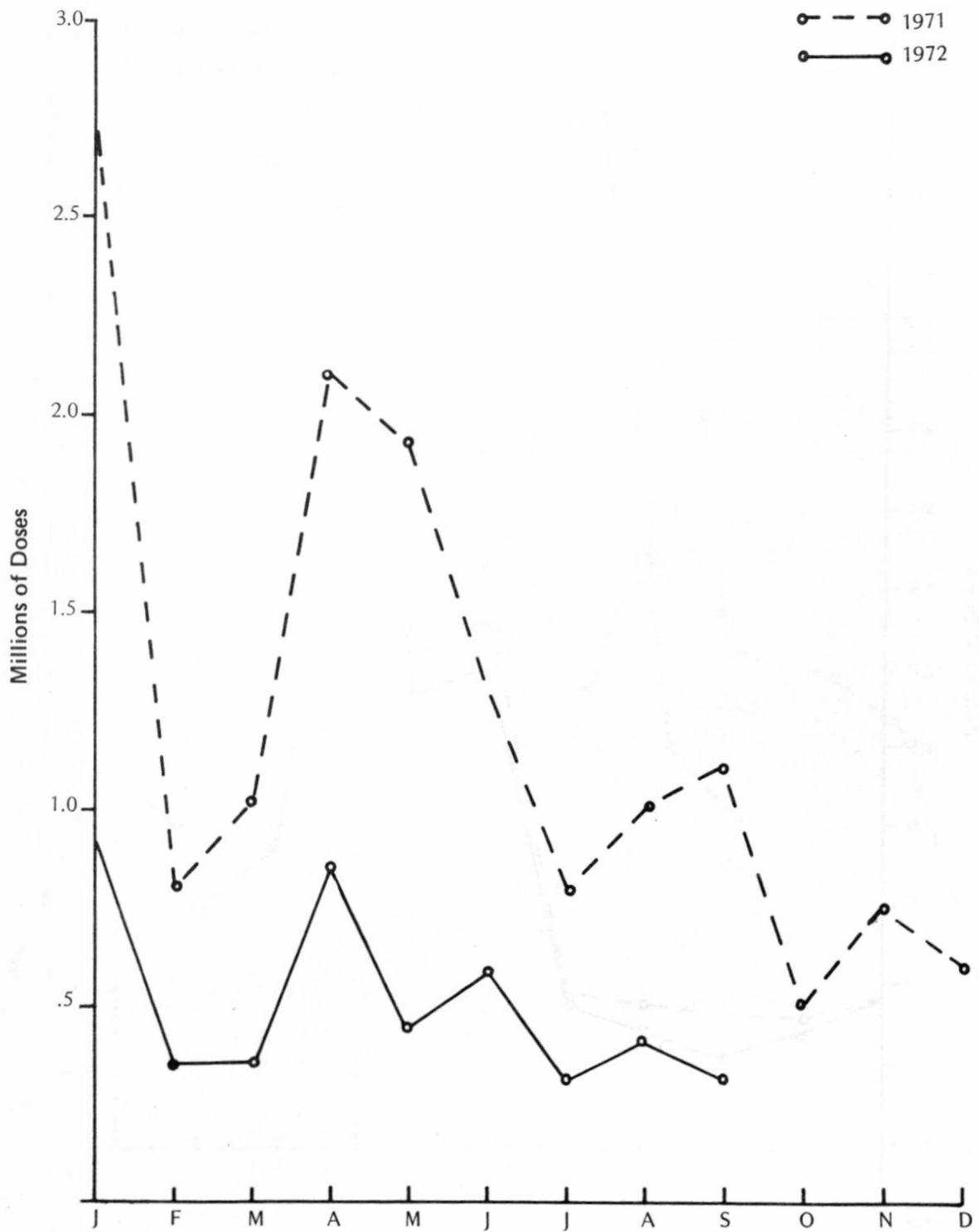


FIGURE 6
 BIVALENT INFLUENZA VIRUS VACCINE
 NET DISTRIBUTION BY MONTH - UNITED STATES

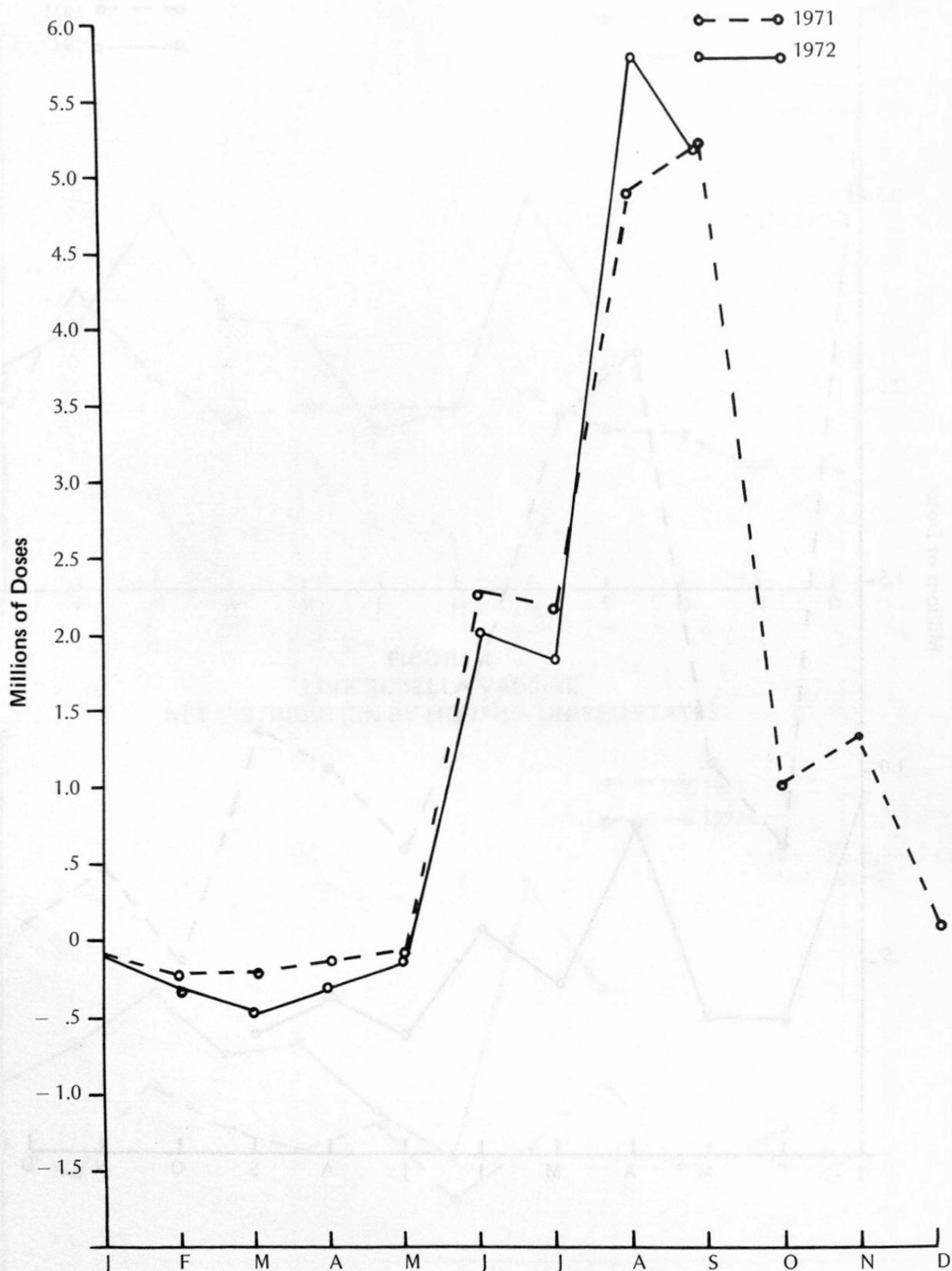


FIGURE 7
RABIES VACCINE
NET DISTRIBUTION BY MONTH – UNITED STATES

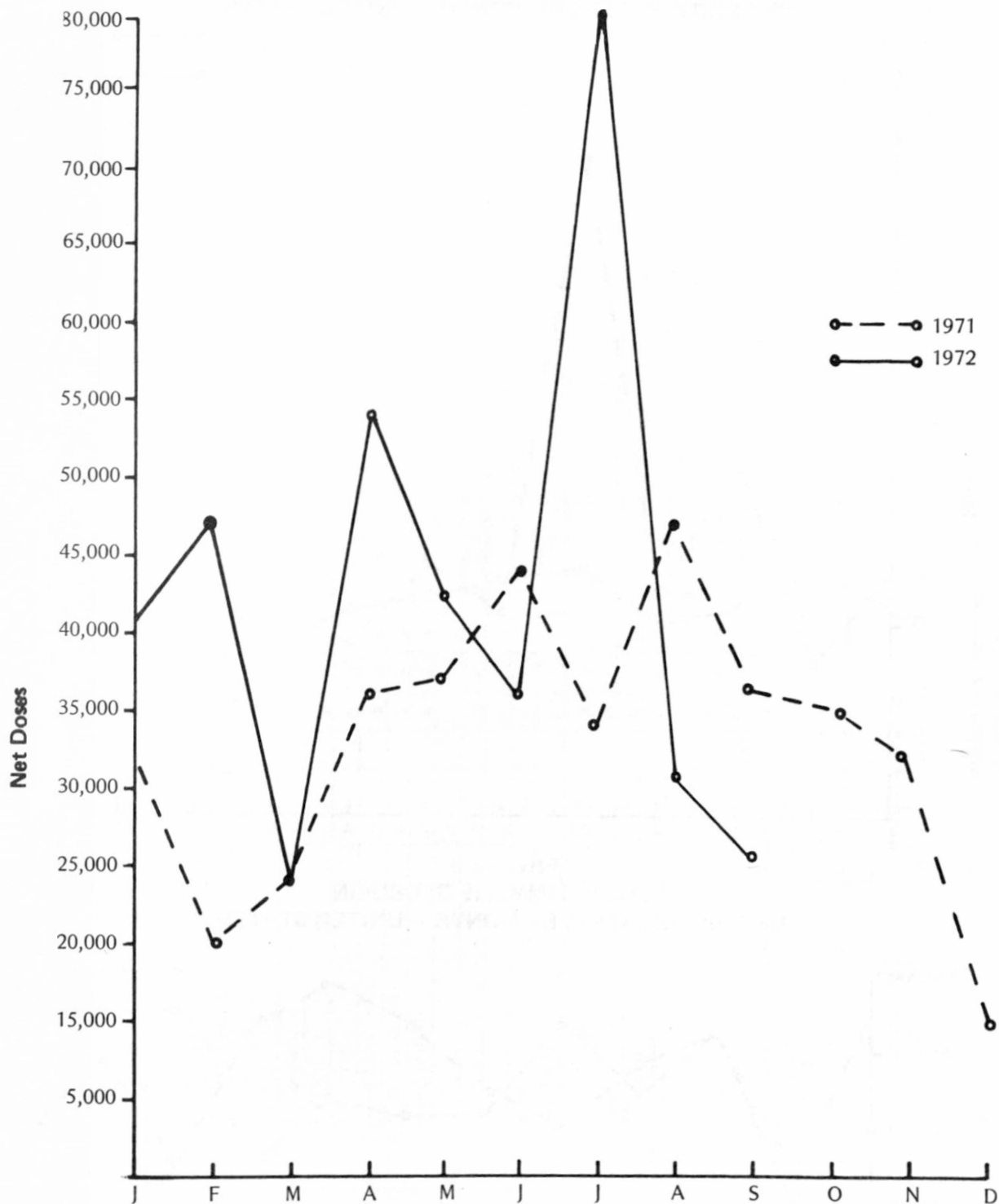


FIGURE 8
IMMUNE SERUM GLOBULIN (HUMAN)
NET DISTRIBUTION BY MONTH – UNITED STATES

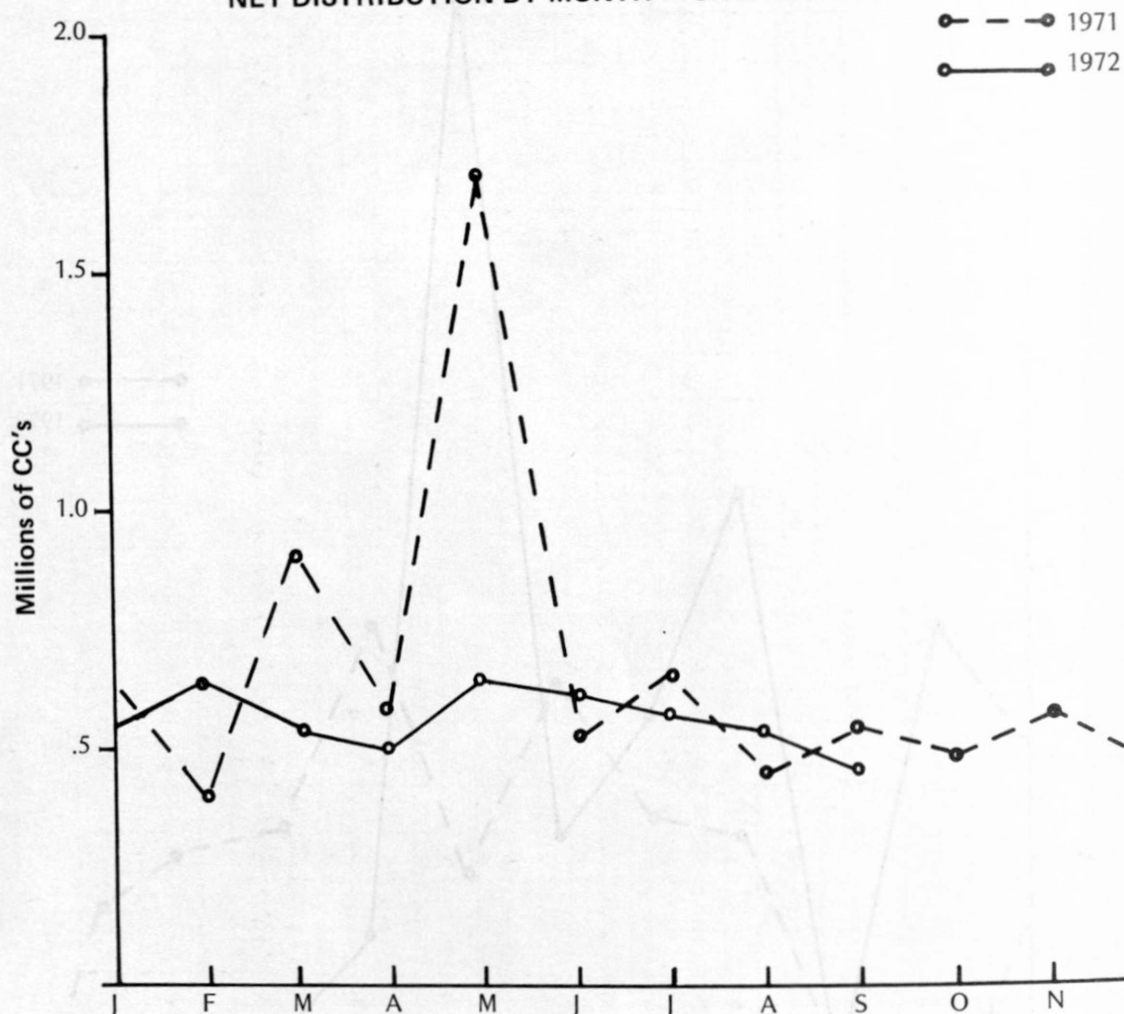
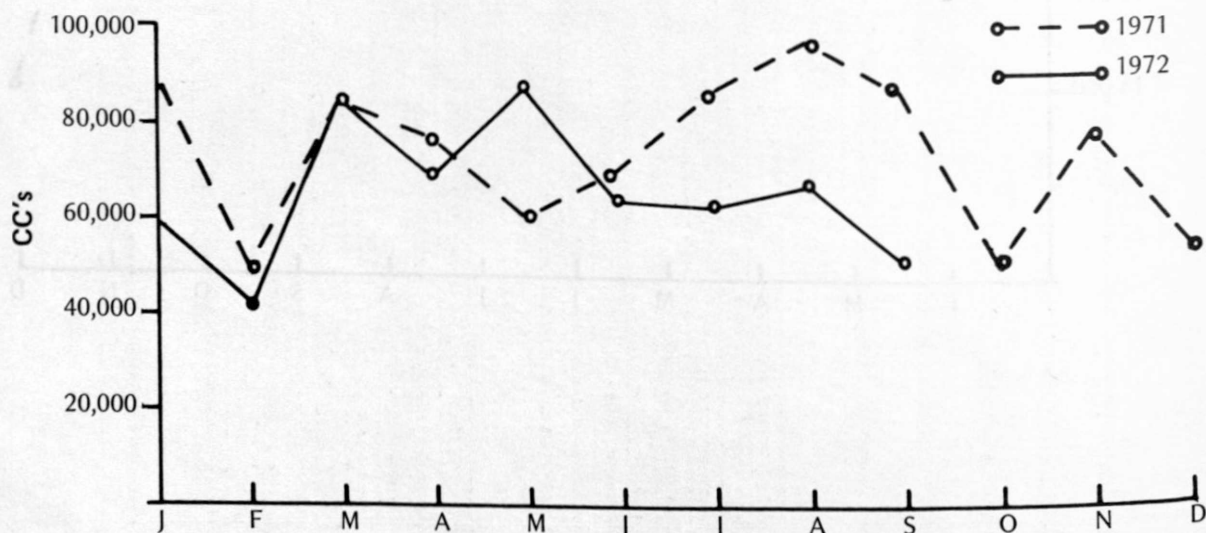


FIGURE 9
TETANUS IMMUNE GLOBULIN
NET DISTRIBUTION BY MONTH – UNITED STATES



MANUFACTURERS AND DISTRIBUTORS
OF SPECIFIED BIOLOGICS —
UNITED STATES

MANUFACTURERS AND DISTRIBUTORS OF SPECIFIED BIOLOGICS — UNITED STATES		Armour Pharmaceutical Co.	Courtland Laboratories	Cutter Laboratories	Dow Chemical Co.	Hyland Div. Travenol Lab.	Illinois Dept. of Public Health	Lederle Laboratories	Eli Lilly and Co.	Mass. Public Health Bio. Lab.	Merck Sharp and Dohme	Mich. Dept. of Public Health	The National Drug Co.	Ortho Pharmaceutical Corp.	Parke, Davis and Co.	Chas. Pfizer and Co.	The Philadelphia Blood Center	Philips Roxane, Inc.	Smith Kline & French	E.R. Squibb & Sons, Inc.	Texas State Dept. of Health	Wyeth Laboratories
Influenza Virus Vaccine	Monovalent			0		0	0		0		0		0								0	
	Bivalent			0		0	0		0		0		0								0	
	Polyvalent			0		0	0		0		0		0								0	
Diph. Toxoid with Tetanus Toxoid (Pediatric)				0		0	0		0		0		0							0	0	
Diph. and Tetanus Toxoids with Pertussis Vac.				0		0	0		0		0		0							0	0	
Tetanus Toxoid with Diph. Toxoid (Adult)						0	0		0		X		0							0	0	
Diphtheria Toxoid				0					0		0		0		0					0	0	
Tetanus Toxoid			0	0		0	0		0		0		0		0					0	0	
Pertussis Vaccine				0		0	0		0		0		0		0					0	0	
Poliomyelitis Vaccine (Inactivated)			0	0					0				0									
Poliomyelitis Vaccine, Live, Oral, Type 1						0									0					0		
Type 2						0									0					0		
Type 3						0									0					0		
Poliomyelitis Vaccine, Live, Oral, Trivalent						0									0					0		
Measles Virus Vaccine, Live, Attenuated				0		0	0		0		0						0					
Rubella Virus Vaccine, Live											0						0	0				
Smallpox Vaccine			0			0	0		0		0		0		0					0		
Rabies Vaccine						0	0		0		0		0		0					0		
Immune Serum Globulin (Human)		0	0	0	0	0	0		0		0		0		0				0		0	
Measles Immune Globulin (Human)					0	0	0				0		0									
Poliomyelitis Immune Globulin (Human)		0														0						
Tetanus Immune Globulin (Human)		0	0	0	0	0			0		0		0		0				0		0	

●—Currently reporting distribution of a licensed product
○—Licensed to manufacture but not currently reporting distribution
X—Currently reporting distribution of a product for intrastate use only