

CENTER FOR DISEASE CONTROL

BIOLOGICS

SURVEILLANCE

REPORT NO. 49

APRIL, MAY, JUNE 1971



COOPERATING IN THIS PROGRAM ARE THE FOLLOWING:

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

Michigan Department of Health

The National Drug Company

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

BIOLOGICS SURVEILLANCE

David J. Sencer, M.D., Director

John J. Witte, M.D.
Secretary, A.C.I.P.
Chief, Immunization Branch
State & Community Services Division, CDC

William W. Dyal
Immunization Branch
State & Community Services Division, CDC

FOR ADMINISTRATIVE USE ONLY

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 APRIL 1971

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	-127,230	38,960	166,190	1,352,700	1,583,170
	Polyvalent	**	**	**	**	**
Diphtheria Toxoid with Tetanus Toxoid (Pediatric)		88,805	128,815	40,010	1,176,600	371,587
Diphtheria and Tetanus Toxoids with Pertussis Vaccine		990,795	1,053,120	62,325	2,962,560	1,211,872
Tetanus Toxoid with Diphtheria Toxoid (Adult)		364,860	381,320	16,460	1,519,980	278,660
Diphtheria Toxoid		**	**	**	**	**
Tetanus Toxoid		1,366,218	1,430,356	64,138	5,814,178	907,415
Pertussis Vaccine		**	**	**	**	**
Poliomyelitis Vaccine (Inactivated)		**	**	**	**	**
Poliomyelitis Vaccine, Live, Oral,	Type 1	**	**	**	**	**
	Type 2	**	**	**	**	**
	Type 3	**	**	**	**	**
Poliomyelitis Vaccine, Live, Oral, Trivalent		1,452,755	1,470,775	18,020	5,196,655	
Measles Virus Vaccine, Live, Attenuated		448,051	489,376	41,325	1,548,950	2,479,679
Rubella Virus Vaccine, Live		483,771	594,717	110,946	8,995,311	1,929,400
Smallpox Vaccine		2,128,851	2,197,501	68,650	1,314,479	22,041,817
Rabies Vaccine		35,672	36,348	676	42,514	453,327
Immune Serum Globulin (Human)		569,922 cc	626,380 cc	56,458 cc	816,120 cc	1,693,730 cc
Measles Immune Globulin (Human)		**	**	**	**	**
Poliomyelitis Immune Globulin (Human)		**	**	**	**	**
Tetanus Immune Globulin (Human)		77,851 cc	80,046 cc	2,195 cc	185,641 cc	364,758 cc

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

MONTHLY BIOLOGIC SUMMARY FOR MAY 1971

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	-40,910	42,620	83,530	2,941,470	1,770,086
	Polyvalent	**	**	**	**	**
Diphtheria Toxoid with Tetanus Toxoid (Pediatric)		132,570	159,950	27,380	1,299,025	259,047
Diphtheria and Tetanus Toxoids with Pertussis Vaccine		1,702,594	1,785,539	82,945	2,656,610	1,119,129
Tetanus Toxoid with Diphtheria Toxoid (Adult)		663,760	691,800	28,040	1,488,700	
Diphtheria Toxoid		**	**	**	**	**
Tetanus Toxoid		1,212,599	1,317,477	104,878	5,977,925	811,883
Pertussis Vaccine		**	**	**	**	**
Poliomyelitis Vaccine (Inactivated)		**	**	**	**	**
Poliomyelitis Vaccine, Live, Oral,	Type 1	**	**	**	**	**
	Type 2	**	**	**	**	**
	Type 3	**	**	**	**	**
Poliomyelitis Vaccine, Live, Oral, Trivalent		2,213,510	2,224,070	10,760	5,415,615	
Measles Virus Vaccine, Live, Attenuated		470,697	504,273	33,576	1,217,971	2,004,392
Rubella Virus Vaccine, Live		429,097	796,201	367,104	6,735,562	2,832,000
Smallpox Vaccine		1,923,729	1,974,316	50,587	1,350,584	22,741,085
Rabies Vaccine		37,350	37,677	327	28,273	536,221
Immune Serum Globulin (Human)		1,686,900 cc	1,696,986 cc	10,086 cc	1,265,104 cc	1,397,172 cc
Measles Immune Globulin (Human)		**	**	**	**	**
Poliomyelitis Immune Globulin (Human)		**	**	**	**	**
Tetanus Immune Globulin (Human)		60,268 cc	63,254 cc	2,986 cc	286,481 cc	281,949 cc

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

DISTRIBUTION OF BIOLOGICS – UNITED STATES, 1971

BIOLOGICS	TOTAL NET DOSES	
	April-June 1971	January-June 1971
Influenza Virus Vaccine (Monovalent)	**	**
Influenza Virus Vaccine (Polyvalent)	**	**
Influenza Virus Vaccine (Bivalent)	2,104,918	1,657,008
Diphtheria Toxoid	**	**
Pertussis Vaccine	**	**
Tetanus Toxoid	4,698,231	7,470,884
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	6,858,785	11,736,100
Measles Virus Vaccine, Live, Attenuated	1,404,443	3,233,564
Rubella Virus Vaccine, Live	1,425,334	2,831,211
Smallpox Vaccine	5,362,564	10,066,444
Rabies Vaccine	117,388	193,557
Immune Serum Globulin (Human)	2,809,040 cc	4,758,170 cc
Tetanus Immune Globulin (Human)	208,111 cc	431,117 cc

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

DISTRIBUTION OF COMBINED BIOLOGICS – UNITED STATES, 1971

BIOLOGICS	TOTAL NET DOSES	
	April-June 1971	January-June 1971
Diphtheria and Tetanus Toxoids Combined	383,700	659,447
Diphtheria and Tetanus Toxoids and Pertussis Vaccine Combined	4,356,087	9,472,272
Tetanus and Diphtheria Toxoids Combined (for adult use)	1,828,820	3,000,190

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

Figure 1

DIPHThERIA TOXOID, TETANUS TOXOID, PERTUSSIS VACCINE
NET DISTRIBUTION BY MONTH-UNITED STATES

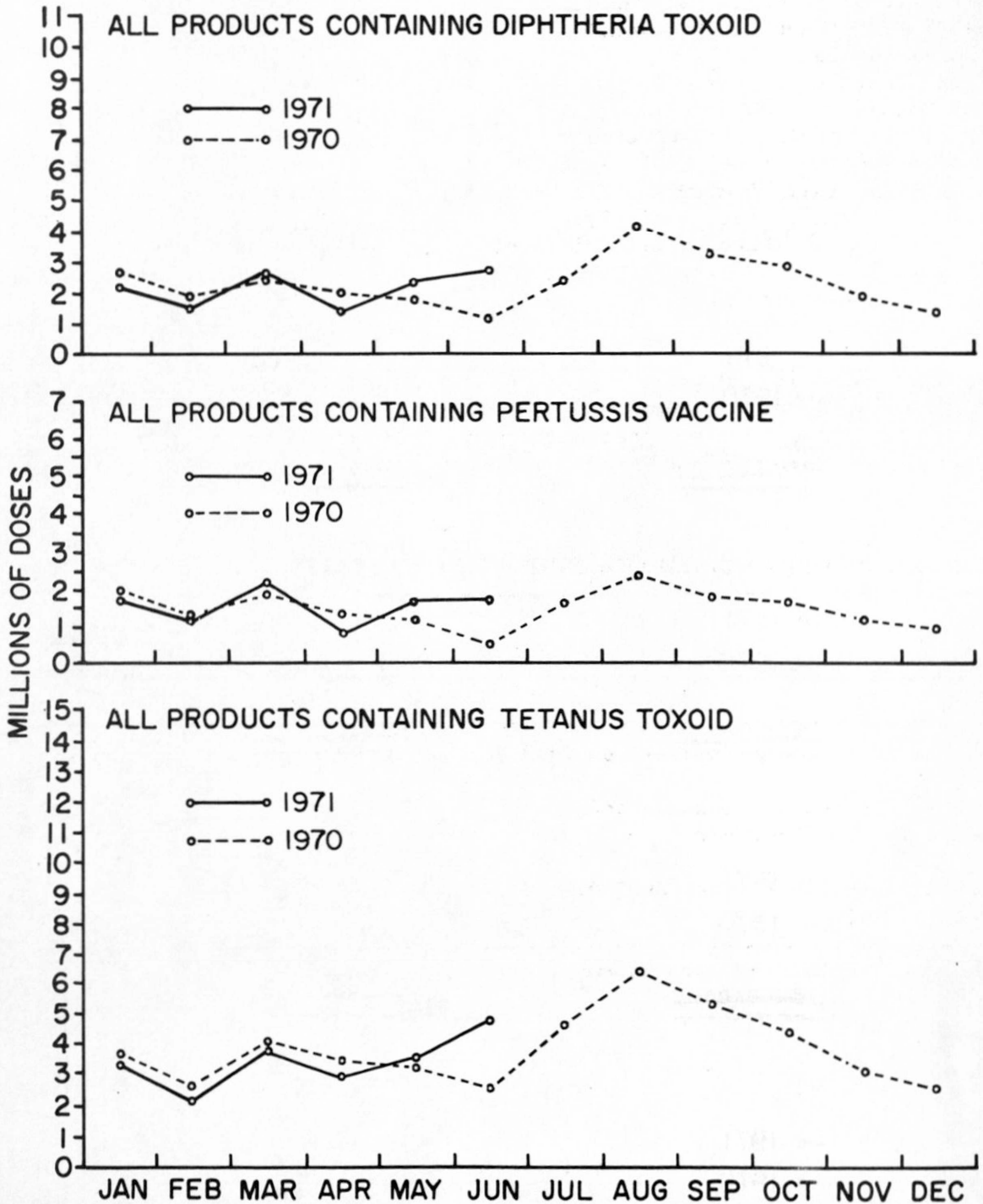


Figure 2

POLIOVIRUS VACCINES, LIVE, ORAL
NET DISTRIBUTION BY MONTH-UNITED STATES

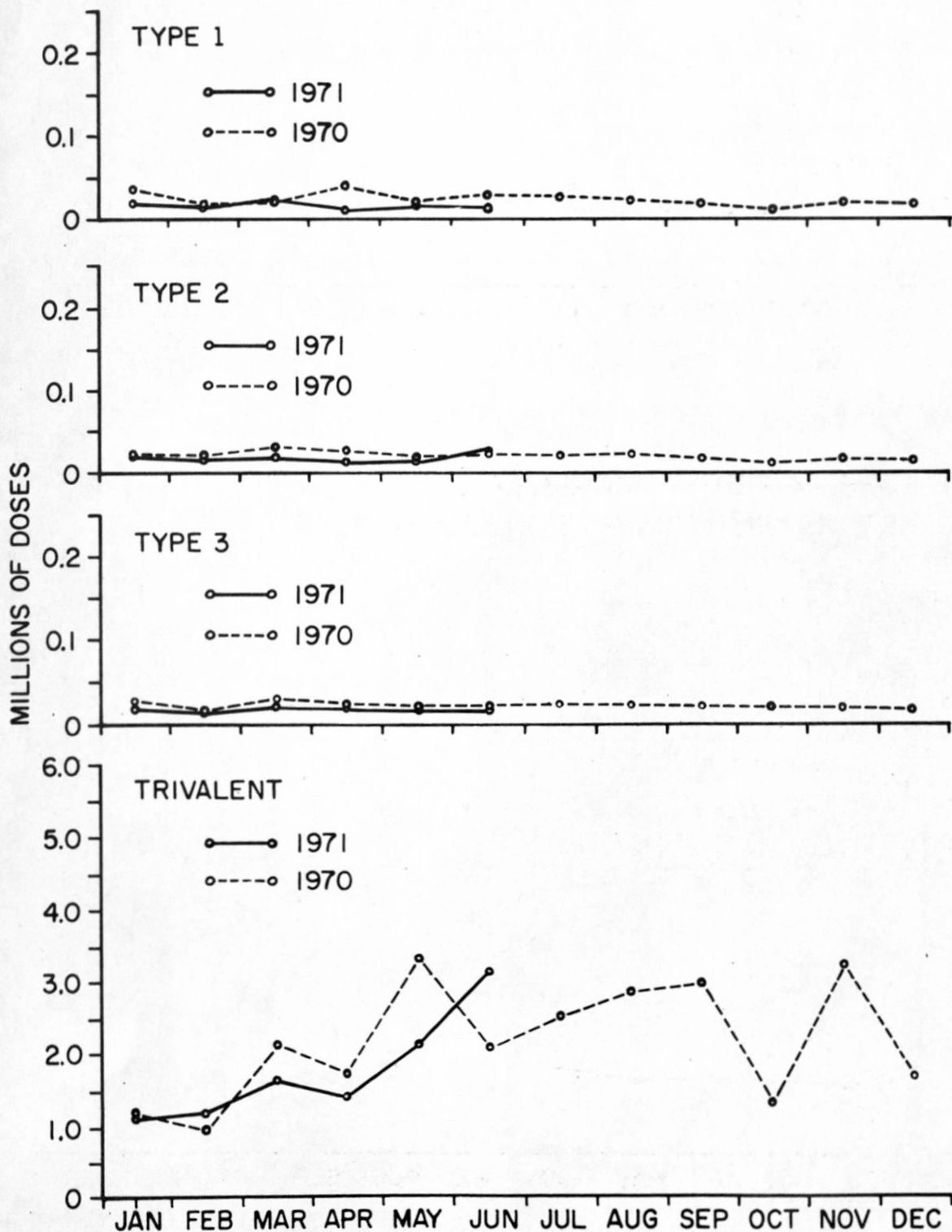


Figure 3

MEASLES VIRUS VACCINE, LIVE ATTENUATED
NET DISTRIBUTION BY MONTH-UNITED STATES

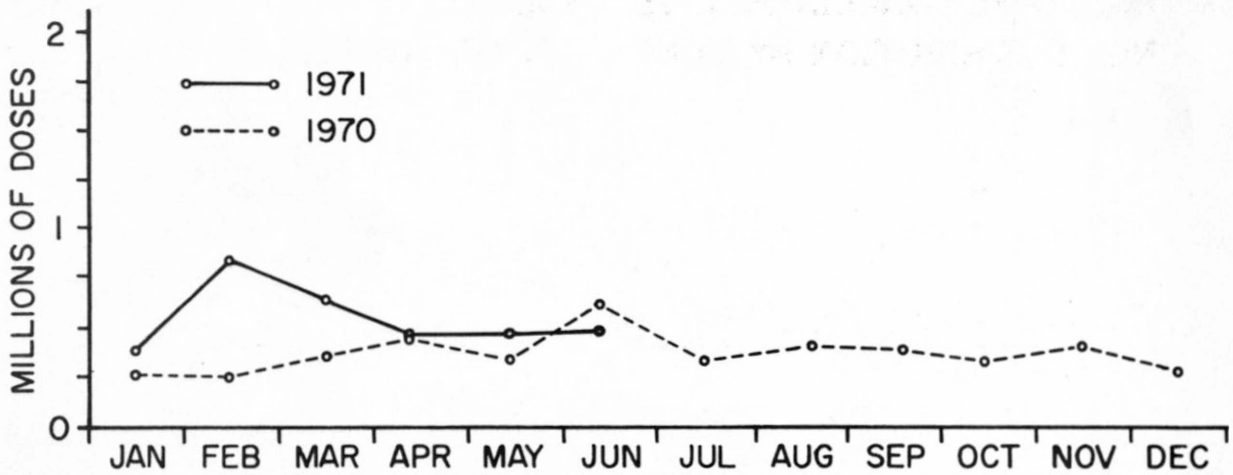
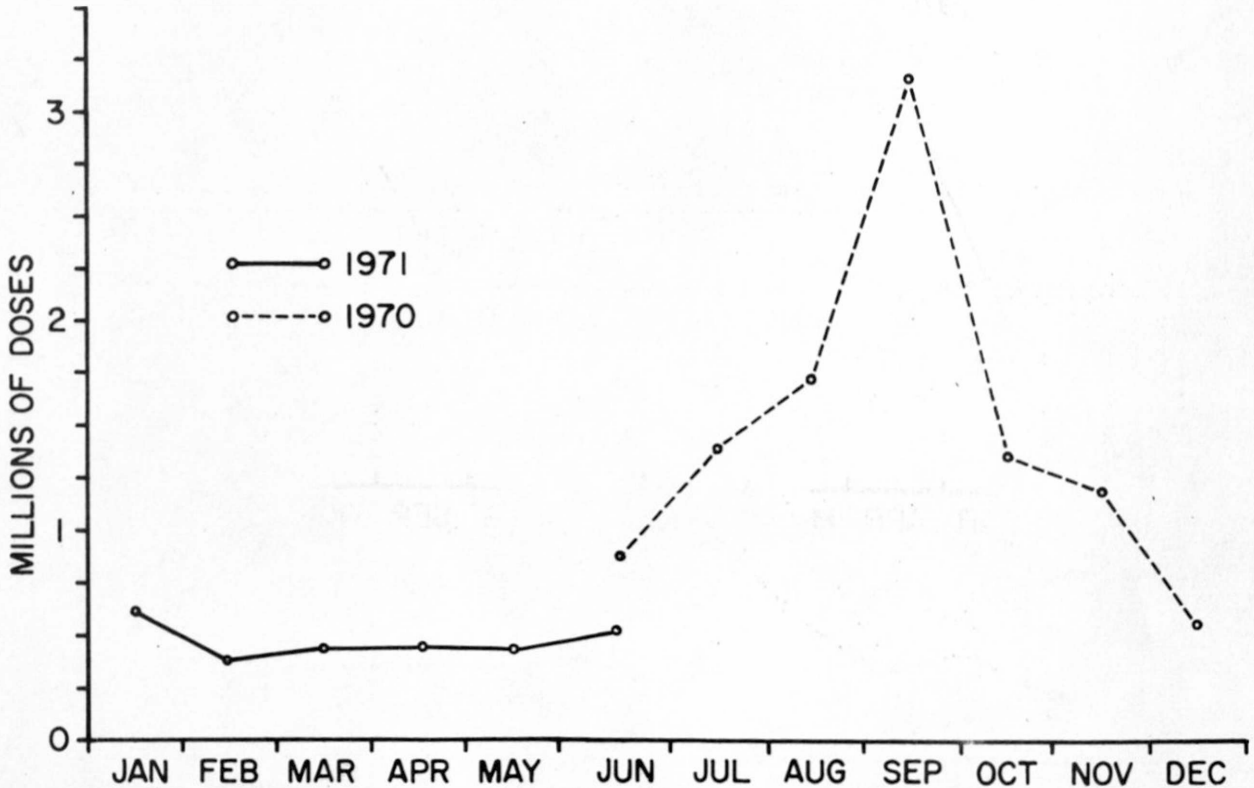


Figure 4

RUBELLA VIRUS VACCINE, LIVE
NET DISTRIBUTION BY MONTH-UNITED STATES



(Monthly data not available prior to June 1970)

Figure 5

SMALLPOX VACCINE
NET DISTRIBUTION BY MONTH-UNITED STATES

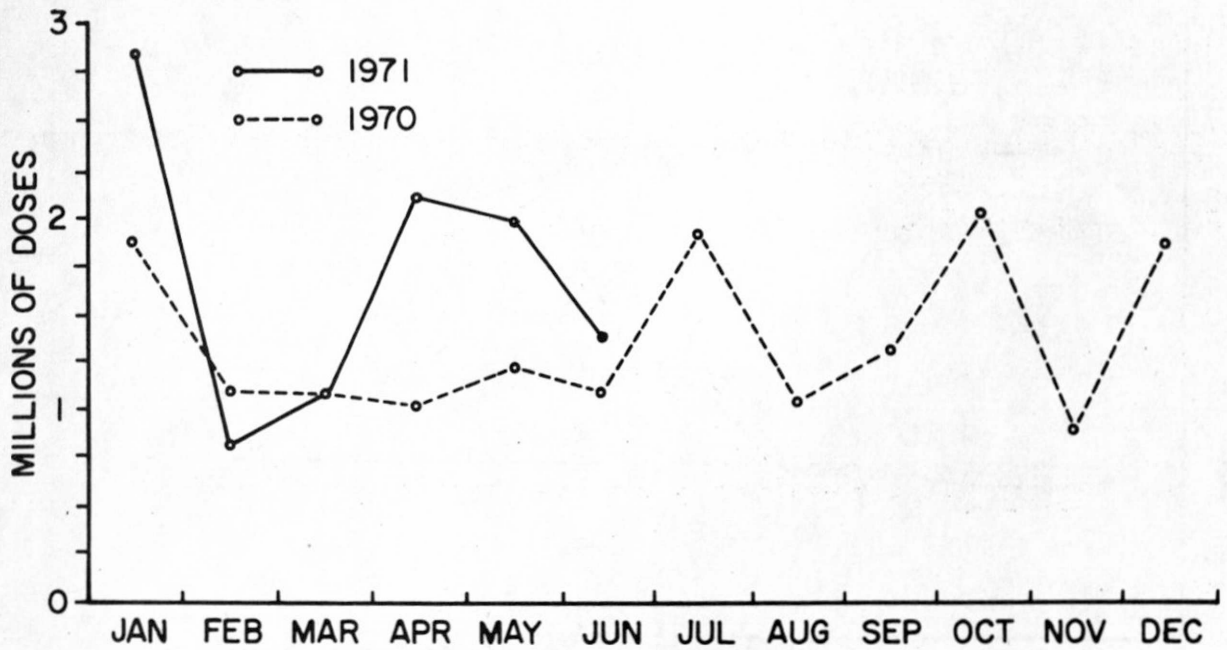


Figure 6

BIVALENT INFLUENZA VIRUS VACCINE
NET DISTRIBUTION BY MONTH-UNITED STATES

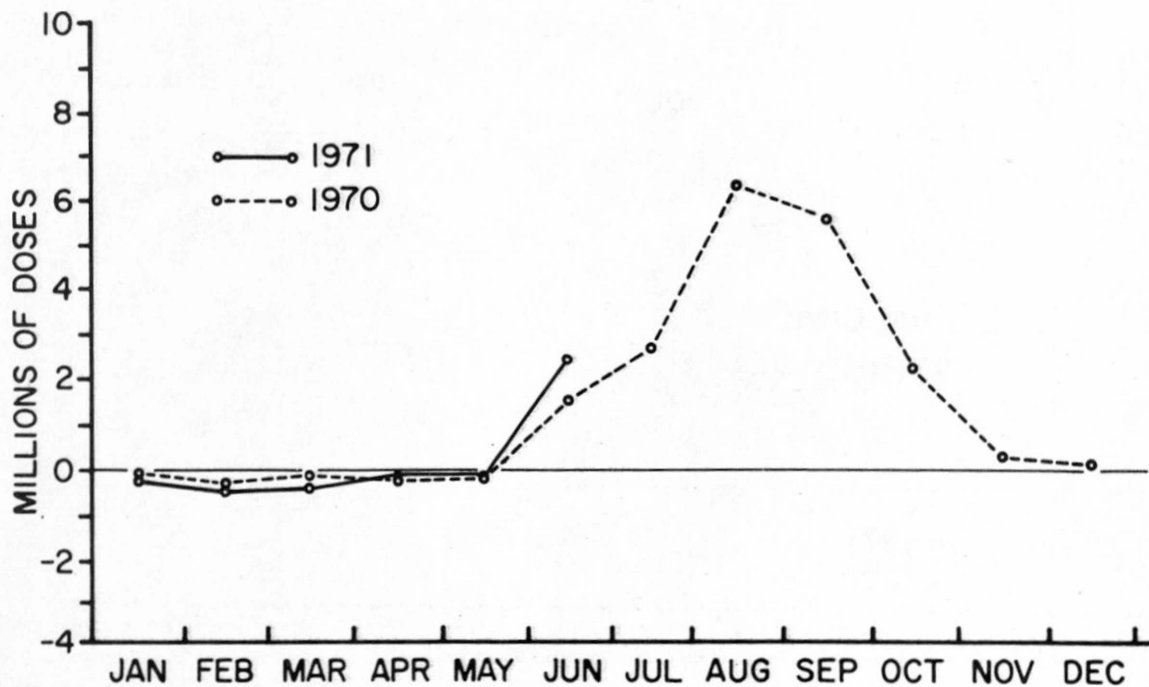


Figure 7

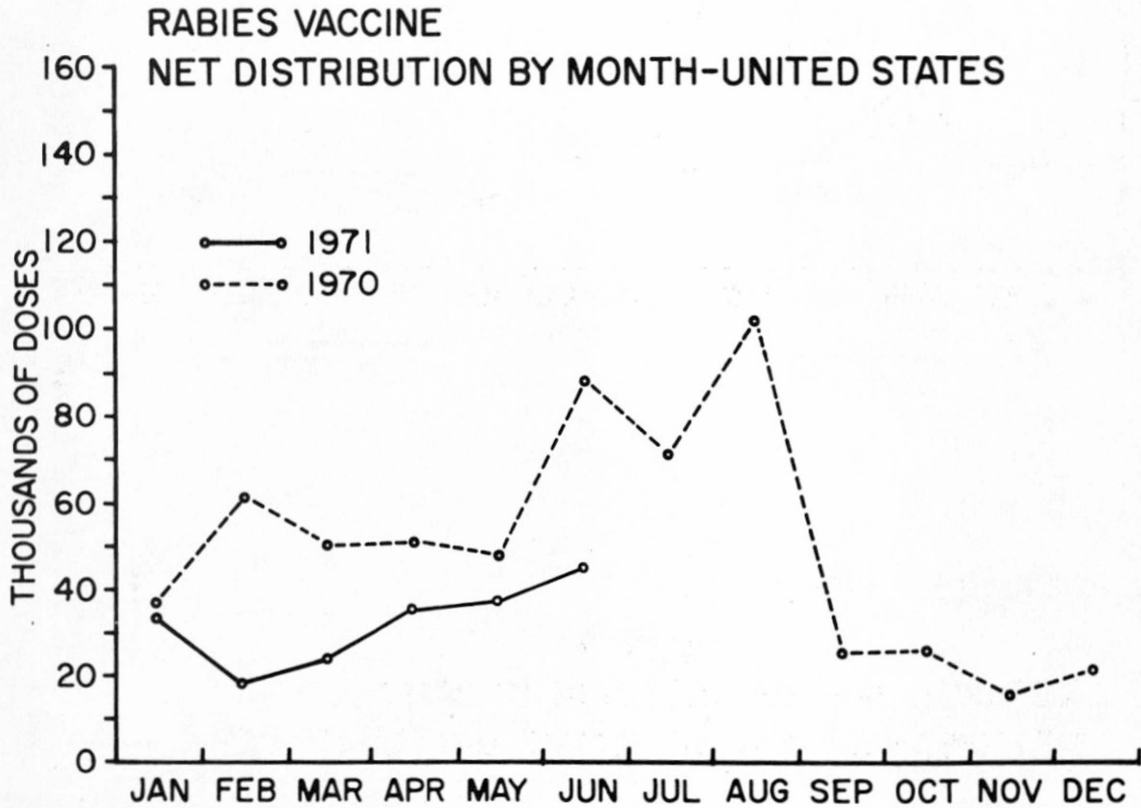


Figure 8

IMMUNE SERUM GLOBULIN (HUMAN)
NET DISTRIBUTION BY MONTH-UNITED STATES

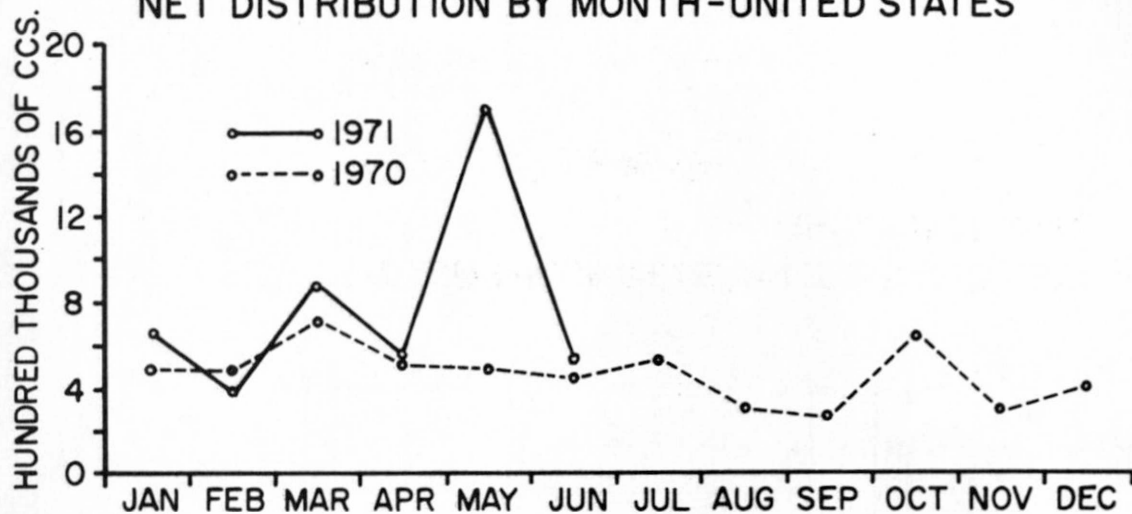
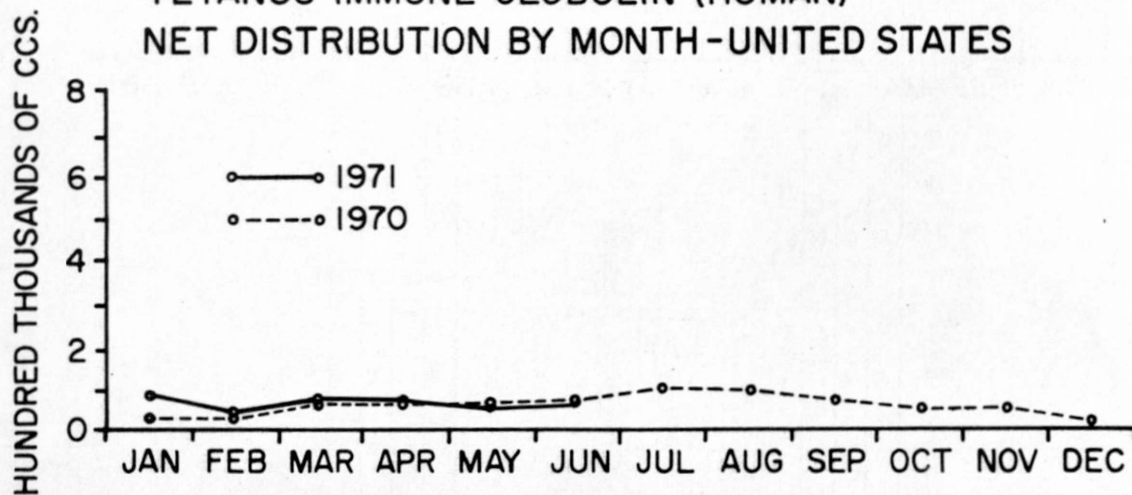


Figure 9

TETANUS IMMUNE GLOBULIN (HUMAN)
NET DISTRIBUTION BY MONTH-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	The National Health	Ortho Pharmaceutical Co.	Parke, Davis and Co.	Chas. Pfizer and Co., Inc.	The Philadelphia Blood Center	Phillips Roxane, Inc.	Smith Kline & French	E.R. Squibb & Sons, Inc.	Texas State Dept. of Health	Wyeth Laboratories															
1. Influenza Virus Vaccine	Monovalent				0		0	0		0		●	0								0															
	Bivalent				0		●	●		●		●	●								●													●		
	Polyvalent				0		0	0		0		0	0								0													0		
2. Diph. Toxoid with Tetanus Toxoid (Pediatric)				●			●	●	●		●		●								●													●		
3. Diph. and Tetanus Toxoids with Pertussis Vac.				●		X	●	●	●	0	●	●	●								●													●		
4. Tetanus Toxoid with Diph. Toxoid (Adult)							●	●	●	0	X	●									●													●		
5. Diphtheria Toxoid				0					0	0	0	0									●													0		
6. Tetanus Toxoid				●	●		●	●	●	●	●	●	●								●														●	
7. Pertussis Vaccine				0		0	●				●	0	0								●													0		
8. Poliomyelitis Vaccine (Inactivated)				0	0			0		0			0																						0	
9. Poliomyelitis Vaccine, Live, Oral, Type 1	Type 1						●								0																				●	
	Type 2						●								0																				●	
	Type 3						●								0																				●	
10. Poliomyelitis Vaccine, Live, Oral, Trivalent							●			●					●																				●	
11. Measles Virus Vaccine, Live, Attenuated				●			●	●	●	●								●																		●
12. Rubella Virus Vaccine, Live										●	●							●	●																	●
13. Smallpox Vaccine				0			●	●	●	0	●	●	●																							●
14. Rabies Vaccine						X	0	●			●	●		0								0														0
15. Immune Serum Globulin (Human)		0	0	●	●	●	●		●	●	●		0	●						●																●
Measles Immune Globulin (Human)						0	0	0					●																							●
Poliomyelitis Immune Globulin (Human)			0												0																					0
Tetanus Immune Globulin (Human)		0	0	●	●	●	●		●	●	●		●							0															●	
16.																																				

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