

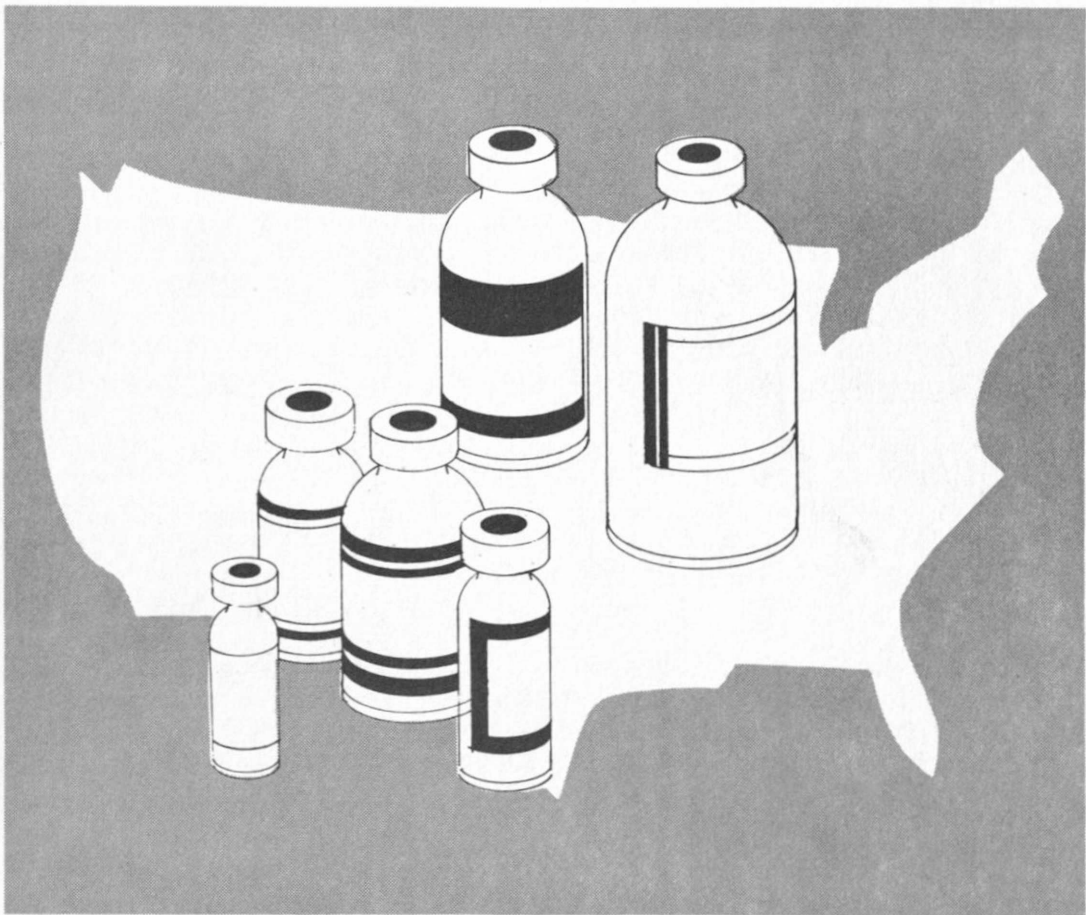
CENTER FOR DISEASE CONTROL

BIOLOGICS

SURVEILLANCE

REPORT NO. 50

JULY, AUGUST, SEPTEMBER 1971



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, Davie & 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

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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, 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	2,231,648	2,302,326	70,678	8,174,894	2,616,550
	Polyvalent	**	**	**	**	**
Diphtheria Toxoid with Tetanus Toxoid (Pediatric)		223,245	286,500	63,255	1,294,290	278,478
Diphtheria and Tetanus Toxoids with Pertussis Vaccine		2,060,940	2,153,845	92,905	3,058,995	788,500
Tetanus Toxoid with Diphtheria Toxoid (Adult)		687,090	693,800	6,710	1,659,080	415,728
Diphtheria Toxoid		**	**	**	**	**
Tetanus Toxoid		2,220,850	2,300,494	79,644	4,622,870	882,953
Pertussis Vaccine		**	**	**	**	**
Poliomyelitis Vaccine (Inactivated)		**	**	**	**	**
Poliomyelitis Vaccine, Live, Oral,	Type 1	**	**	**	**	**
	Type 2	**	**	**	**	**
	Type 3	**	**	**	**	**
Poliomyelitis Vaccine, Live, Oral, Trivalent		2,014,525	2,034,425	19,900	6,588,120	
Measles Virus Vaccine, Live, Attenuated		472,072	564,834	92,762	1,365,731	729,592
Rubella Virus Vaccine, Live		301,973	399,499	97,526	5,754,356	2,703,000
Smallpox Vaccine		815,887	860,540	44,653	1,846,319	18,080,992
Rabies Vaccine		34,223	34,431	208	80,799	574,086
Immune Serum Globulin (Human)		653,540 cc	669,906 cc	16,366 cc	1,427,252 cc	379,016 cc
Measles Immune Globulin (Human)		**	**	**	**	**
Poliomyelitis Immune Globulin (Human)		**	**	**	**	**
Tetanus Immune Globulin (Human)		86,981 cc	89,769 cc	2,788 cc	222,307 cc	130,189 cc

**Not shown since fewer than three distributors reported

MONTHLY BIOLOGIC SUMMARY FOR AUGUST, 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	4,892,498	5,027,181	134,683	7,923,157	1,342,291
	Polyvalent	**	**	**	**	**
Diphtheria Toxoid with Tetanus Toxoid (Pediatric)		223,810	251,555	27,745	1,295,240	25,990
Diphtheria and Tetanus Toxoids with Pertussis Vaccine		1,653,510	1,724,815	71,305	2,495,510	1,309,129
Tetanus Toxoid with Diphtheria Toxoid (Adult)		855,090	886,210	31,120	1,637,870	494,850
Diphtheria Toxoid		**	**	**	**	**
Tetanus Toxoid		1,897,211	2,028,702	131,491	3,720,651	1,217,111
Pertussis Vaccine		**	**	**	**	**
Poliomyelitis Vaccine (Inactivated)		**	**	**	**	**
Poliomyelitis Vaccine, Live, Oral,	Type 1	**	**	**	**	**
	Type 2	**	**	**	**	**
	Type 3	**	**	**	**	**
Poliomyelitis Vaccine, Live, Oral, Trivalent		3,470,610	3,489,485	18,875	5,630,445	
Measles Virus Vaccine, Live, Attenuated		522,144	574,955	52,811	1,793,957	393,392
Rubella Virus Vaccine, Live		443,185	512,056	68,871	5,668,266	2,806,000
Smallpox Vaccine		1,064,860	1,103,582	38,722	3,183,231	16,173,469
Rabies Vaccine		46,557	46,760	203	89,061	
Immune Serum Globulin (Human)		437,128cc	457,936cc	20,808cc	1,739,700cc	446,986cc
Measles Immune Globulin (Human)		**	**	**	**	**
Poliomyelitis Immune Globulin (Human)		**	**	**	**	**
Tetanus Immune Globulin (Human)		96,874cc	99,309cc	2,435cc	210,004cc	13,023cc

**Not shown since fewer than three distributors reported

HSM 4.206A

MONTHLY BIOLOGIC SUMMARY FOR SEPTEMBER, 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	5,216,243	5,389,565	173,322	3,383,360	663,575
	Polyvalent	**	**	**	**	**
Diphtheria Toxoid with Tetanus Toxoid (Pediatric)		278,750	241,090	22,340	1,255,820	209,000
Diphtheria and Tetanus Toxoids with Pertussis Vaccine		1,565,345	1,661,880	96,535	2,592,390	1,323,030
Tetanus Toxoid with Diphtheria Toxoid (Adult)		673,481	685,310	11,829	1,739,890	479,210
Diphtheria Toxoid		**	**	**	**	**
Tetanus Toxoid		1,763,720	1,872,810	109,090	3,568,286	2,178,605
Pertussis Vaccine		**	**	**	**	**
Poliomyelitis Vaccine (Inactivated)		**	**	**	**	**
Poliomyelitis Vaccine, Live, Oral,	Type 1	**	**	**	**	**
	Type 2	**	**	**	**	**
	Type 3	**	**	**	**	**
Poliomyelitis Vaccine, Live, Oral, Trivalent		2,323,165	2,338,285	15,120	4,336,235	
Measles Virus Vaccine, Live, Attenuated		421,896	464,722	42,826	1,618,114	844,811
Rubella Virus Vaccine, Live		607,844	734,291	126,447	5,964,973	1,790,000
Smallpox Vaccine		1,104,063	1,299,545	195,482	2,037,348	15,296,145
Rabies Vaccine		35,885	36,570	685	74,340	482,724
Immune Serum Globulin (Human)		532,350cc	549,438cc	17,088cc	2,086,780cc	274,566cc
Measles Immune Globulin (Human)		**	**	**	**	**
Poliomyelitis Immune Globulin (Human)		**	**	**	**	**
Tetanus Immune Globulin (Human)		85,944cc	88,073cc	2,129cc	190,613cc	64,044cc

**Not shown since fewer than three distributors reported

HSM 4.206A

DISTRIBUTION OF BIOLOGICS – UNITED STATES, 1971

BIOLOGICS	TOTAL NET DOSES	
	July–September 1971	January–September 1971
Influenza Virus Vaccine (Monovalent)	**	**
Influenza Virus Vaccine (Polyvalent)	**	**
Influenza Virus Vaccine (Bivalent)	12,340,389	13,997,397
Diphtheria Toxoid	**	**
Pertussis Vaccine	**	**
Tetanus Toxoid	5,881,781	13,352,665
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	7,808,300	19,544,400
Measles Virus Vaccine, Live, Attenuated	1,416,112	4,649,676
Rubella Virus Vaccine, Live	1,353,002	4,184,213
Smallpox Vaccine	2,984,810	13,051,254
Rabies Vaccine	116,665	310,222
Immune Serum Globulin (Human)	1,623,018cc	6,381,188cc
Tetanus Immune Globulin (Human)	269,799cc	700,916cc

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

DISTRIBUTION OF COMBINED BIOLOGICS – UNITED STATES, 1971

BIOLOGICS	TOTAL NET DOSES	
	July–September 1971	January–September 1971
Diphtheria and Tetanus Toxoids Combined	665,805	1,325,252
Diphtheria and Tetanus Toxoids and Pertussis Vaccine Combined	5,279,795	14,752,067
Tetanus and Diphtheria Toxoids Combined (for adult use)	2,215,661	5,215,821

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

Figure 1

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

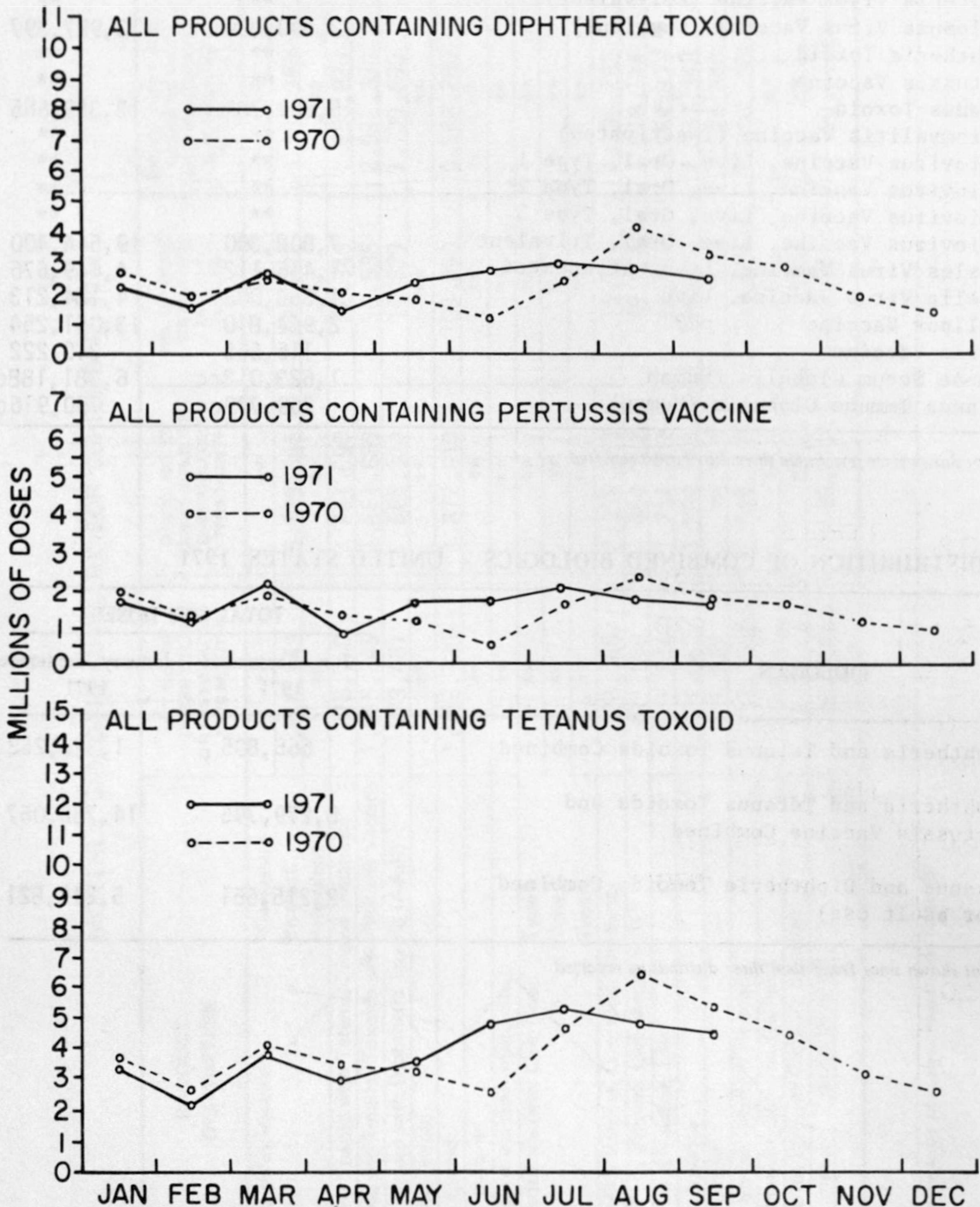


Figure 2

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

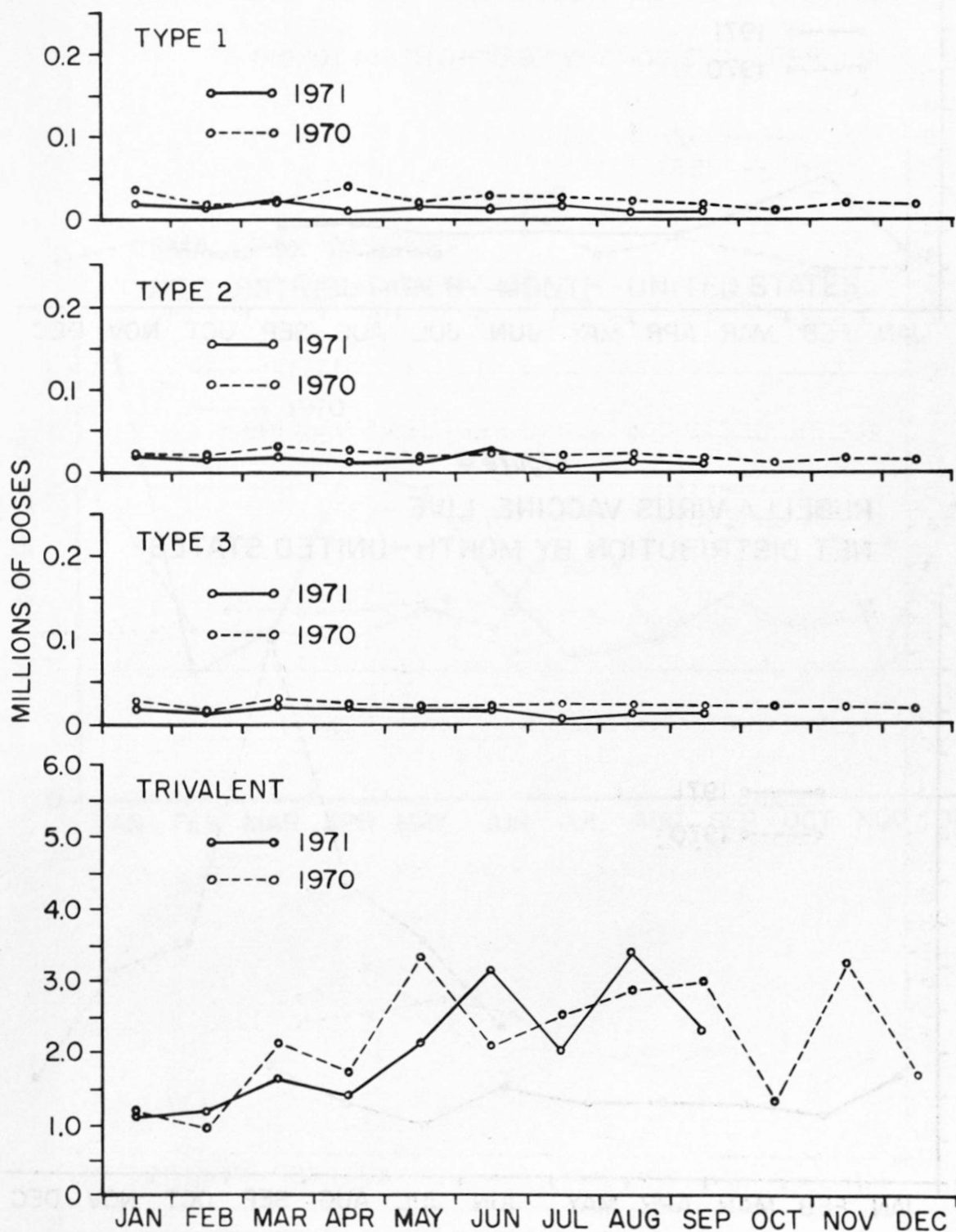


Figure 3

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

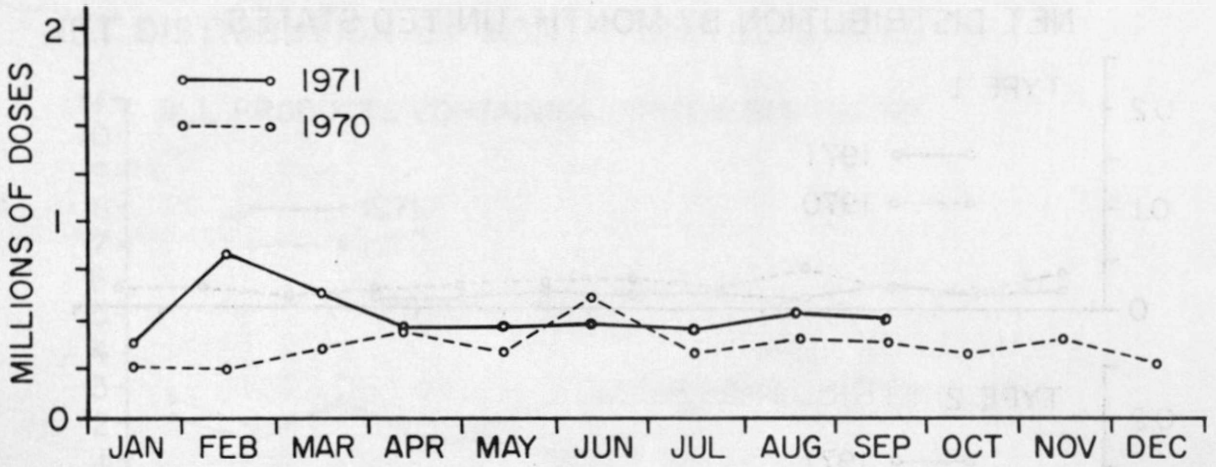
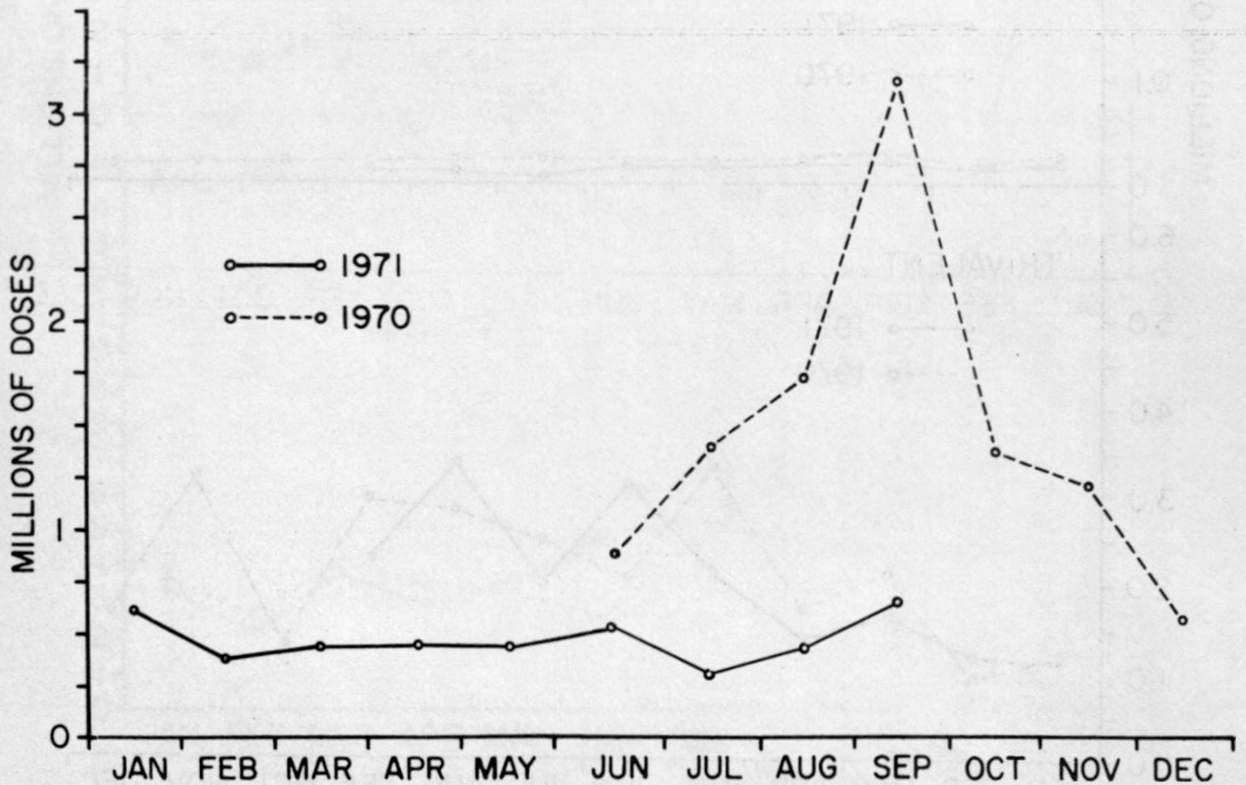


Figure 4

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

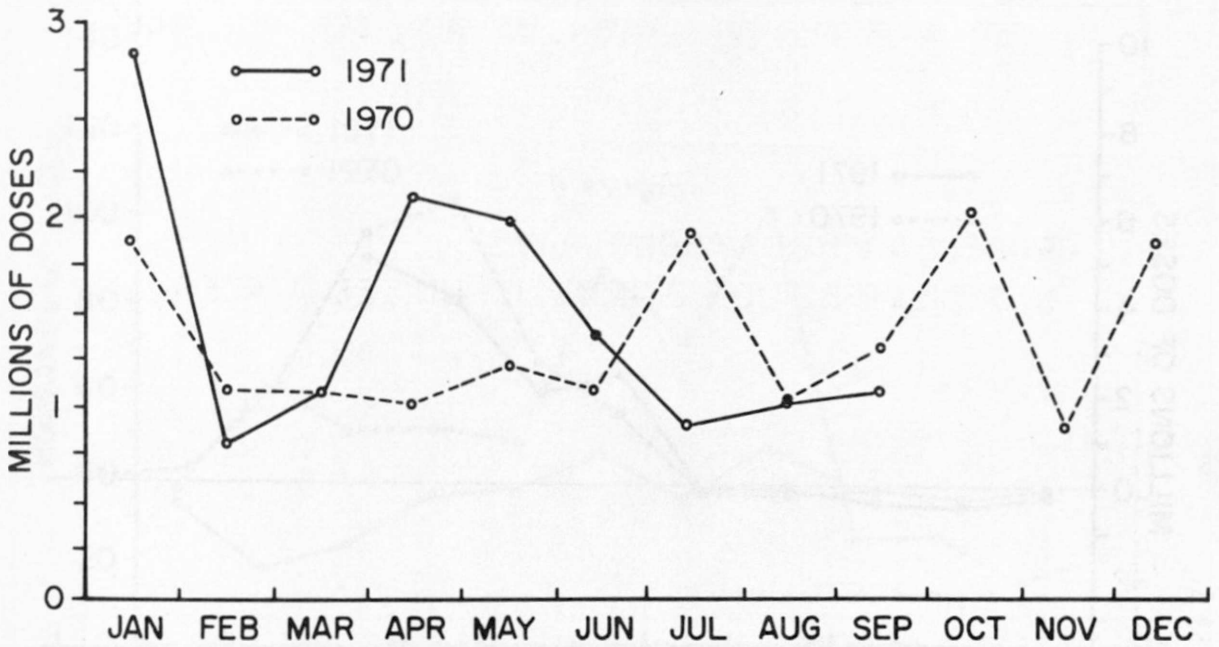


Figure 6

BIVALENT INFLUENZA VIRUS VACCINE
NET DISTRIBUTION BY MONTH-UNITED STATES

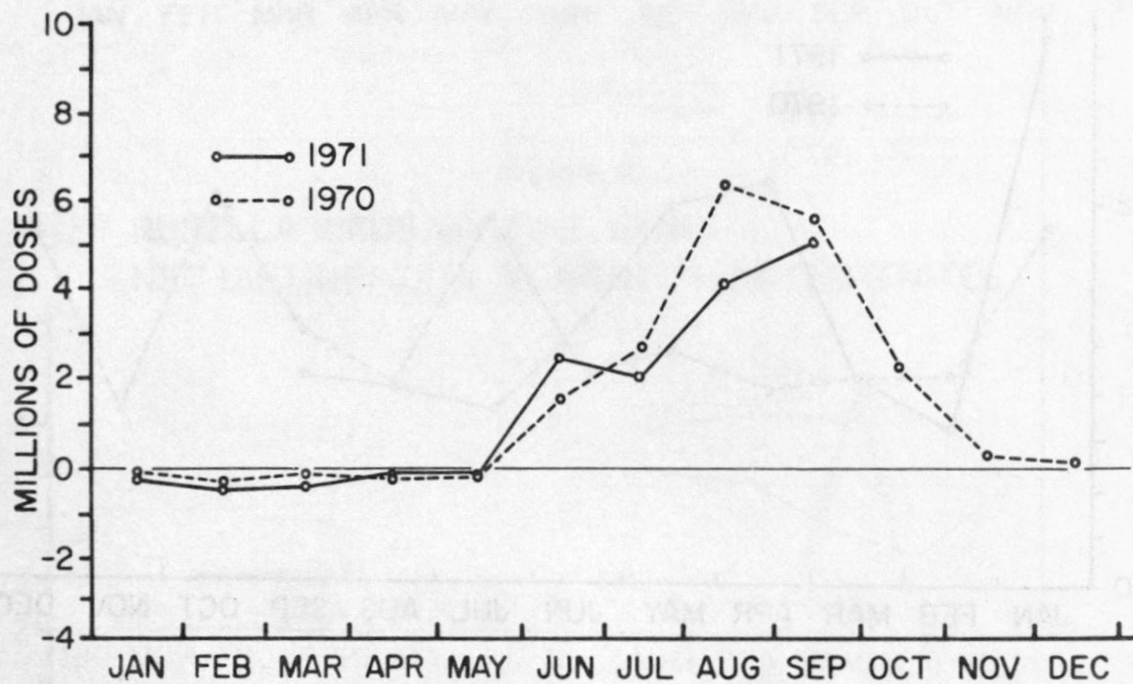


Figure 7

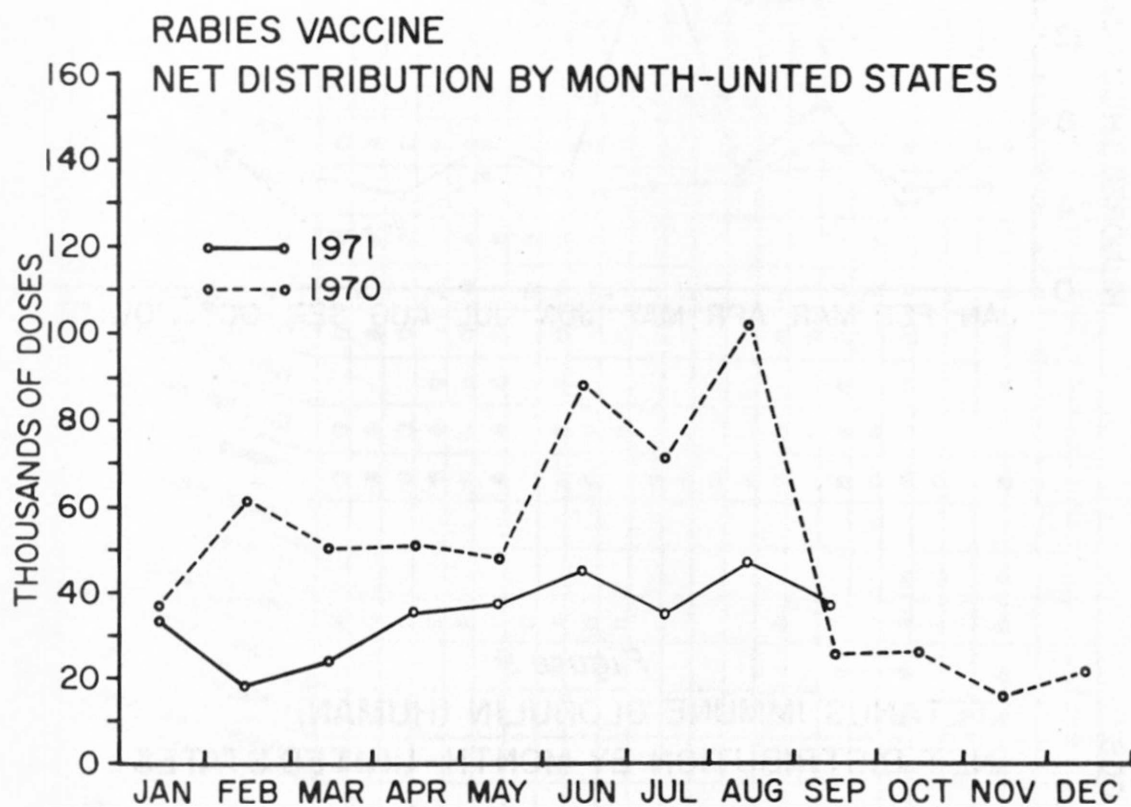


Figure 8

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

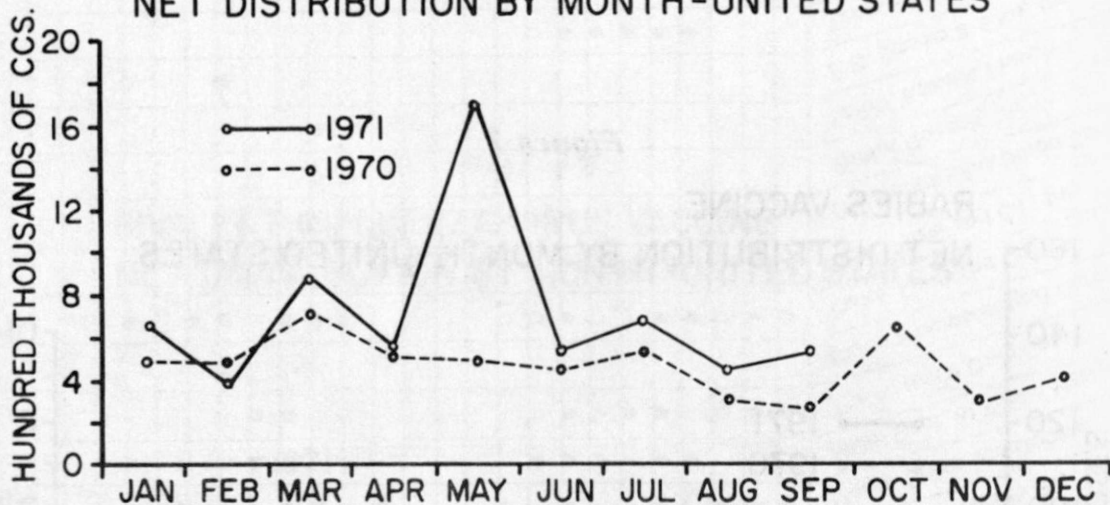


Figure 9

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

