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CENTER FOR DISEASE CONTROL
BIOLOGICS
SURVEILLANCE

REPORT NO. 75
JULY, AUGUST, SEPTEMBER 1978



U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICES
CENTER FOR DISEASE CONTROL

COOPERATING IN THIS PROGRAM ARE THE FOLLOWING:

Armour Pharmaceutical Company
Connaught Laboratories
Hyland Laboratories

Lederle Laboratories

Eli Lilly and Company

Massachusetts Department of Public Health

Merck Sharp & Dohme

Michigan Department of Health

Parke, Davis & Company

Sclavo, Inc.

Texas State Department of Health

Wyeth Laboratories

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Director

ADVISORY COMMITTEE ON
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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 1978

PRODUCT DESCRIPTION	NET NUMBER OF DOSES SOLD OR DISTRIBUTED THIS MONTH	GROSS NUMBER OF DOSES SOLD OR DISTRIBUTED THIS MONTH	NUMBER OF DOSES RETURNED DURING MONTH	NUMBER OF FINISHED DOSES READY FOR IMMEDIATE SHIPMENT AT MONTH END	NUMBER OF FINISHED DOSES NOT READY FOR IMMEDIATE SHIPMENT
Influenza Virus Vaccine, Bivalent*** , Monovalent	-94,020	4,110	98,130	3,890	820,000
Diphtheria Toxoid with Tetanus Toxoid (pediatric)	243,490	279,400	35,910	0	0
	101,528	112,745	11,217	602,635	260,173
Diphtheria and Tetanus Toxoids with Pertussis Vaccine	1,105,828	1,124,295	18,467	3,379,445	621,004
Tetanus Toxoid with Diphtheria Toxoid (adult)	1,366,698	1,375,528	8,830	787,343	767,386
Diphtheria Toxoid	20	20	0	86,180	143,420
Tetanus Toxoid	1,085,701	1,109,392	23,691	3,973,780	404,588
Pertussis Vaccine	80	80	0	21,480	0
Poliomyelitis Vaccine, Live, Oral, Trivalent	2,190,780	2,190,780	0	1,373,700	0
Measles Virus Vaccine, Live, Attenuated*	722,789	748,793	26,004	393,394	0
Rubella Virus Vaccine, Live*	647,707	669,745	22,038	505,604	0
Mumps Virus Vaccine, Live*	395,513	393,513	0	0	0
Smallpox Vaccine	135,746	140,371	4,625	155,725	15,978,025
Rabies Vaccine	**	**	**	**	**
Immune Serum Globulin, Human <i>(reported in cc's)</i>	301,174	312,230	11,056	767,909	614,464
Tetanus Immune Globulin, Human <i>(reported in cc's)</i>	136,137	138,234	2,097	77,673	620,125

*all products containing this antigen

**not shown since fewer than three distributors reported

***includes polyvalent and bivalent vaccines

MONTHLY BIOLOGIC SUMMARY FOR AUGUST 1978

PRODUCT DESCRIPTION	NET NUMBER OF DOSES SOLD OR DISTRIBUTED THIS MONTH	GROSS NUMBER OF DOSES SOLD OR DISTRIBUTED THIS MONTH	NUMBER OF DOSES RETURNED DURING MONTH	NUMBER OF FINISHED DOSES READY FOR IMMEDIATE SHIPMENT AT MONTH END	NUMBER OF FINISHED DOSES NOT READY FOR IMMEDIATE SHIPMENT
Influenza Virus Vaccine, Bivalent*** , Monovalent	4,347,550 -25,830	4,470,030 0	122,480 25,830	1,834,350 0	0 0
Diphtheria Toxoid with Tetanus Toxoid (pediatric)	128,388	140,345	11,957	436,993	260,163
Diphtheria and Tetanus Toxoids with Pertussis Vaccine	1,639,253	1,659,525	20,272	2,758,125	380,634
Tetanus Toxoid with Diphtheria Toxoid (adult)	1,595,238	1,606,158	10,920	976,903	236,556
Diphtheria Toxoid	50	50	0	1,810	1,900
Tetanus Toxoid	1,297,160	1,322,489	25,329	3,122,777	617,148
Pertussis Vaccine	0	0	0	21,480	26,010
Poliomyelitis Vaccine, Live, Oral, Trivalent	3,211,750	3,211,750	0	2,479,190	0
Measles Virus Vaccine, Live, Attenuated*	956,786	983,300	26,514	195,147	0
Rubella Virus Vaccine, Live*	889,499	917,809	28,310	325,676	0
Mumps Virus Vaccine, Live*	491,395	0	0	0	0
Smallpox Vaccine	1,012,469	1,017,744	5,275	266,595	14,302,650
Rabies Vaccine	**	**	**	**	**
Immune Serum Globulin, Human (reported in cc's)	300,576	332,789	32,213	873,335	322,500
Tetanus Immune Globulin, Human (reported in cc's)	90,167	94,007	3,840	123,148	556,163

*all products containing this antigen

**not shown since fewer than three distributors reported

***includes polyvalent and bivalent vaccines

MONTHLY BIOLOGIC SUMMARY FOR SEPTEMBER 1978

PRODUCT DESCRIPTION	NET NUMBER OF DOSES SOLD OR DISTRIBUTED THIS MONTH	GROSS NUMBER OF DOSES SOLD OR DISTRIBUTED THIS MONTH	NUMBER OF DOSES RETURNED DURING MONTH	NUMBER OF FINISHED DOSES READY FOR IMMEDIATE SHIPMENT AT MONTH END	NUMBER OF FINISHED DOSES NOT READY FOR IMMEDIATE SHIPMENT
Influenza Virus Vaccine, Bivalent*** , Monovalent	5,836,860 -27,550	6,047,500 0	210,640 27,550	337,590 0	19,850 0
Diphtheria Toxoid with Tetanus Toxoid (pediatric)	109,279	119,695	10,416	364,585	234,113
Diphtheria and Tetanus Toxoids with Pertussis Vaccine	2,401,789	2,422,405	20,616	2,391,320	115,847
Tetanus Toxoid with Diphtheria Toxoid (adult)	848,788	863,263	14,475	941,444	259,267
Diphtheria Toxoid	0	0	0	1,810	1,810
Tetanus Toxoid	991,677	1,013,003	21,326	2,827,261	1,044,755
↳ Pertussis Vaccine	10	10	0	5,930	16,010
Poliomyelitis Vaccine, Live, Oral, Trivalent	2,796,420	2,796,420	0	4,025,820	0
Measles Virus Vaccine, Live, Attenuated*	1,003,423	1,031,355	27,932	348,708	0
Rubella Virus Vaccine, Live*	845,709	875,403	29,694	291,936	0
Mumps Virus Vaccine, Live*	505,624	505,624	0	0	0
Smallpox Vaccine	135,793	145,318	9,525	346,620	19,668,575
Rabies Vaccine	**	**	**	**	**
Immune Serum Globulin, Human (reported in cc's)	440,601	457,086	16,485	716,844	900,132
Tetanus Immune Globulin, Human (reported in cc's)	175,243	178,320	3,077	76,116	425,483

*all products containing this antigen

**not shown since fewer than three distributors reported

***includes polyvalent and bivalent vaccines

NET DISTRIBUTION OF BIOLOGICS**UNITED STATES**

1978

Product Description	Net Doses Distributed	
	Jul- Sep	Jan- Sep
Influenza Virus Vaccine, Bivalent*** , Monovalent	10,090,390 190,110	7,931,320 603,090
Diphtheria Toxoid with Tetanus Toxoid (pediatric)	339,195	682,780
Diphtheria and Tetanus Toxoids with Pertussis Vaccine	5,146,870	13,084,020
Tetanus Toxoid with Diphtheria Toxoid (adult)	3,810,724	7,390,324
Diphtheria Toxoid	70	880
Tetanus Toxoid	3,374,538	8,272,207
Pertussis Vaccine	90	45,120
Poliomyelitis Vaccine, Live, Oral, Trivalent	8,198,950	19,741,985
Measles Virus Vaccine, Live, Attenuated*	2,682,998	6,818,692
Rubella Virus Vaccine, Live*	2,382,915	5,899,643
Mumps Virus Vaccine, Live*	1,392,532	3,487,622
Smallpox Vaccine	1,284,008	3,901,286
Rabies Vaccine	**	**
Immune Serum Globulin, Human (reported in cc's)	1,042,351	2,956,885
Tetanus Immune Globulin, Human (reported in cc's)	404,624	1,030,002

all products containing this antigen**not shown since fewer than three distributors reported*****includes polyvalent and bivalent vaccines*

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

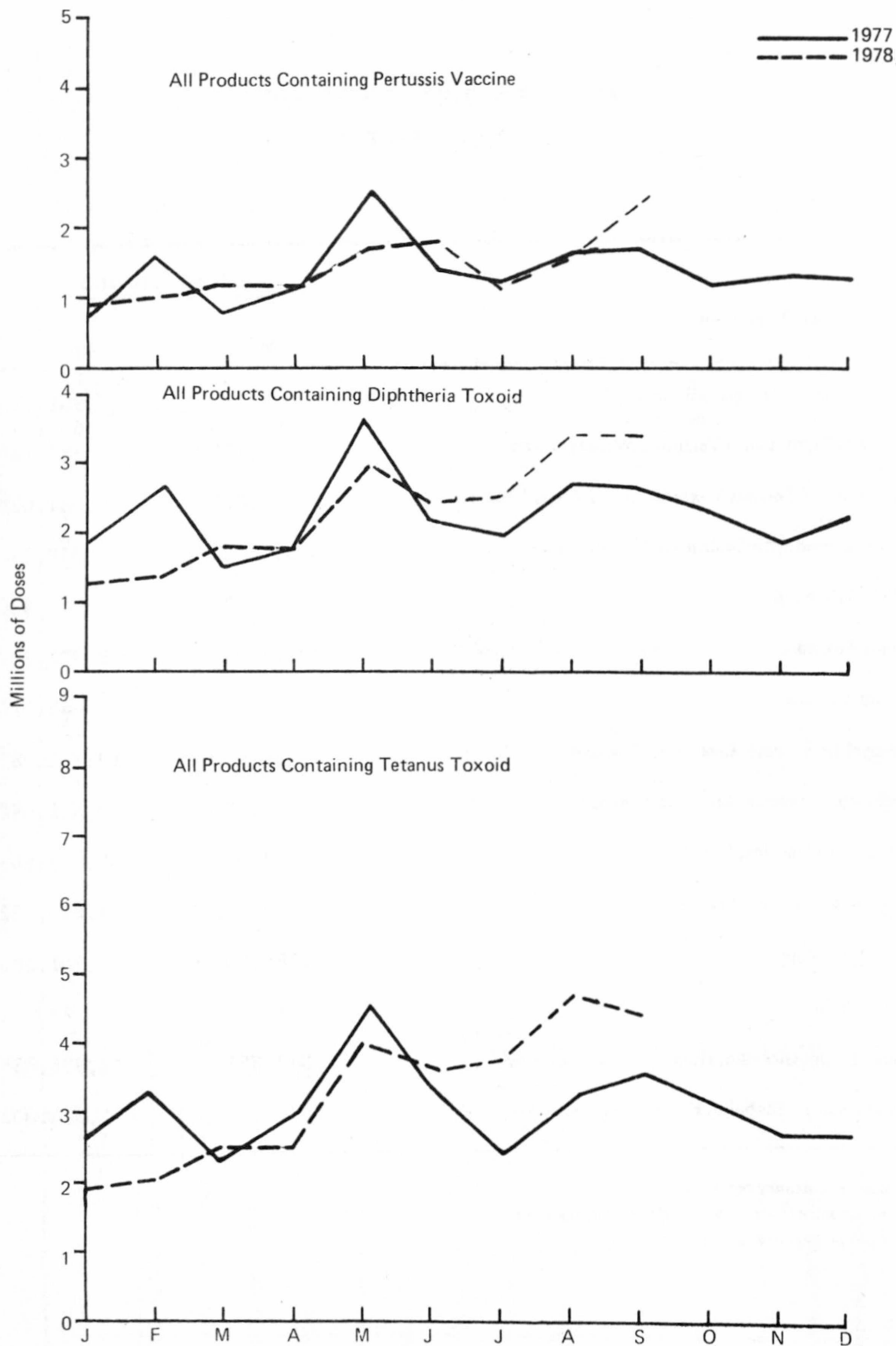


Figure 2
POLIOVIRUS VACCINE, LIVE, ORAL, TRIVALENT
NET DISTRIBUTION BY MONTH – UNITED STATES

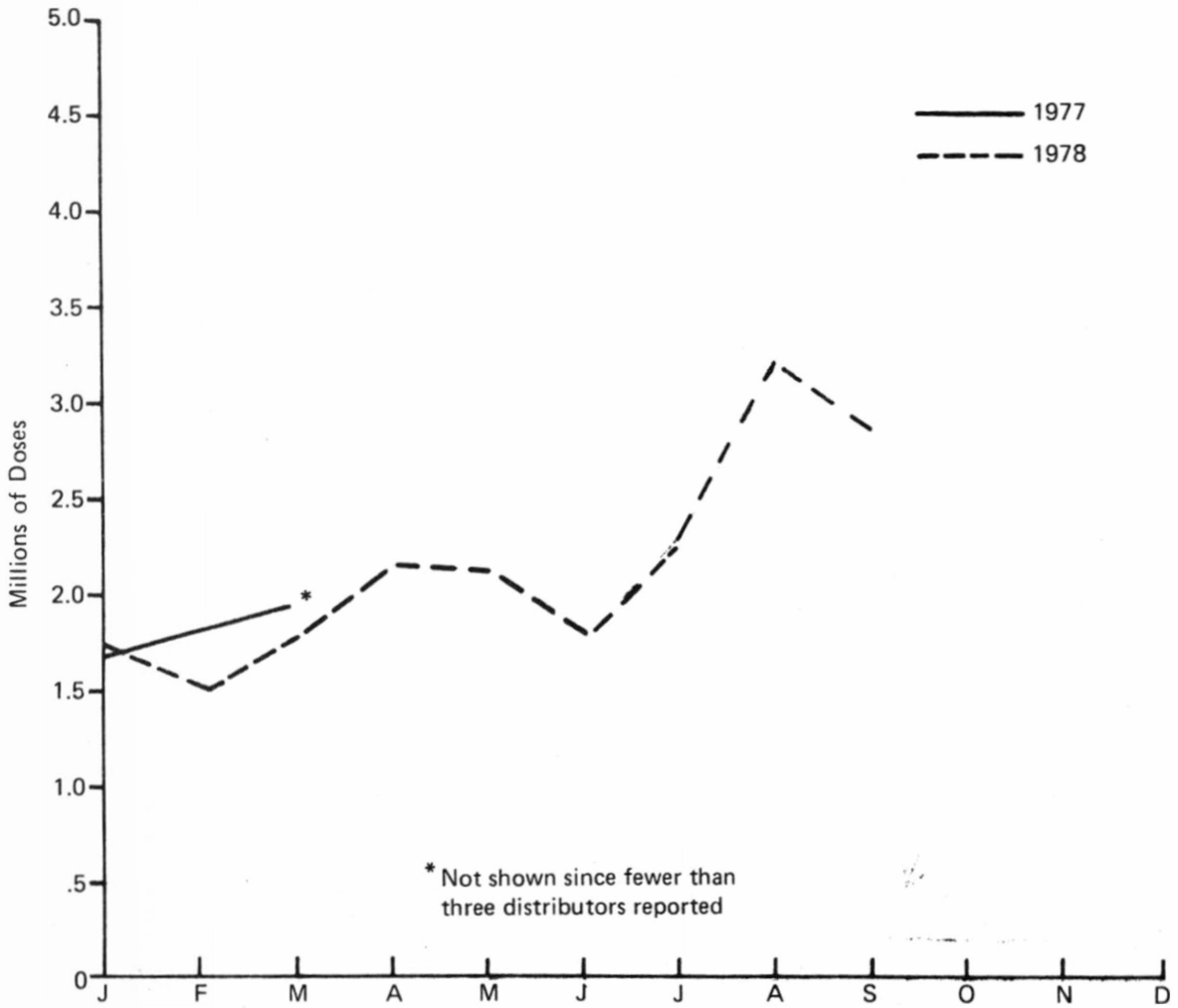


Figure 3
LIVE ATTENUATED MEASLES VACCINE*
NET DISTRIBUTION BY MONTH – UNITED STATES

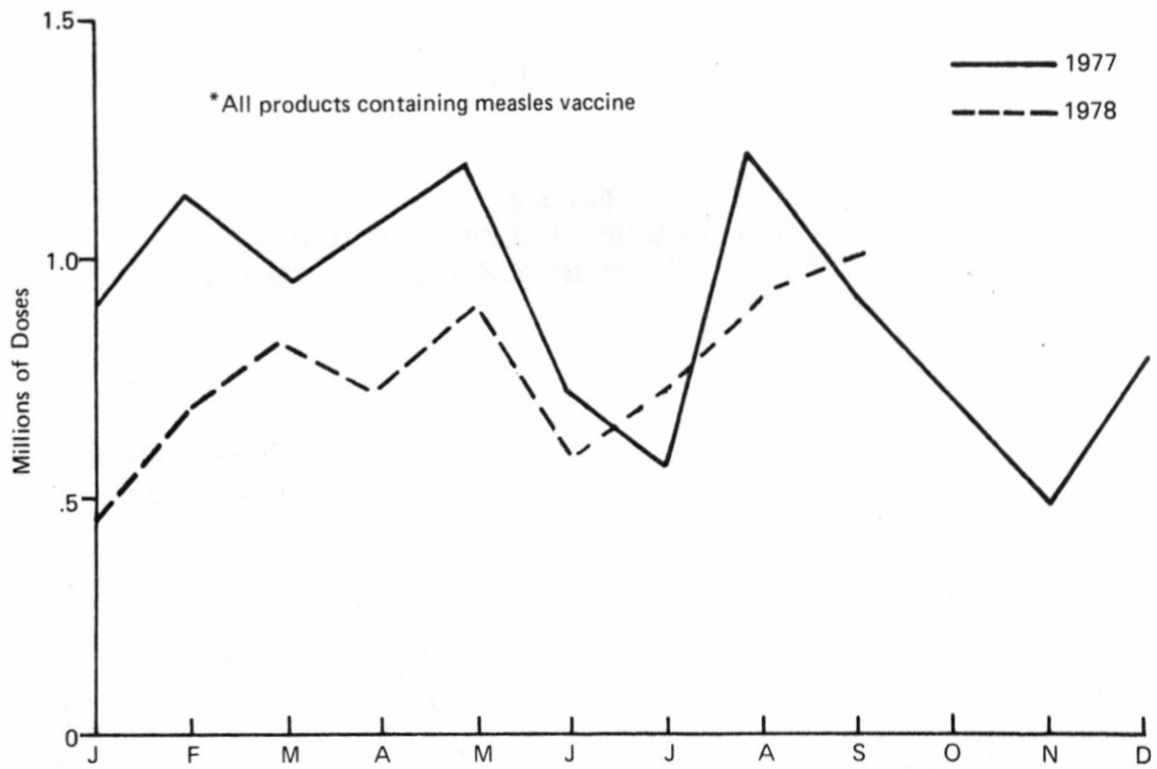


Figure 4
LIVE RUBELLA VACCINE*
NET DISTRIBUTION BY MONTH – UNITED STATES

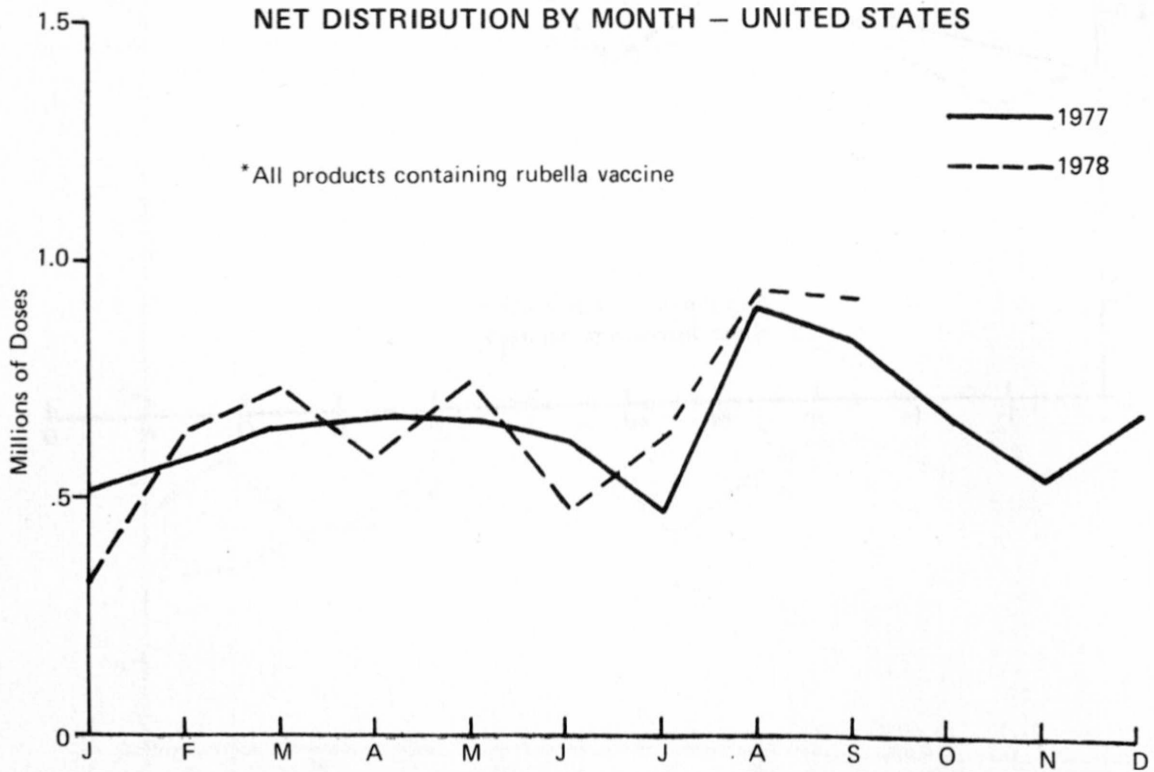


Figure 5
SMALLPOX VACCINE
NET DISTRIBUTION BY MONTH – UNITED STATES

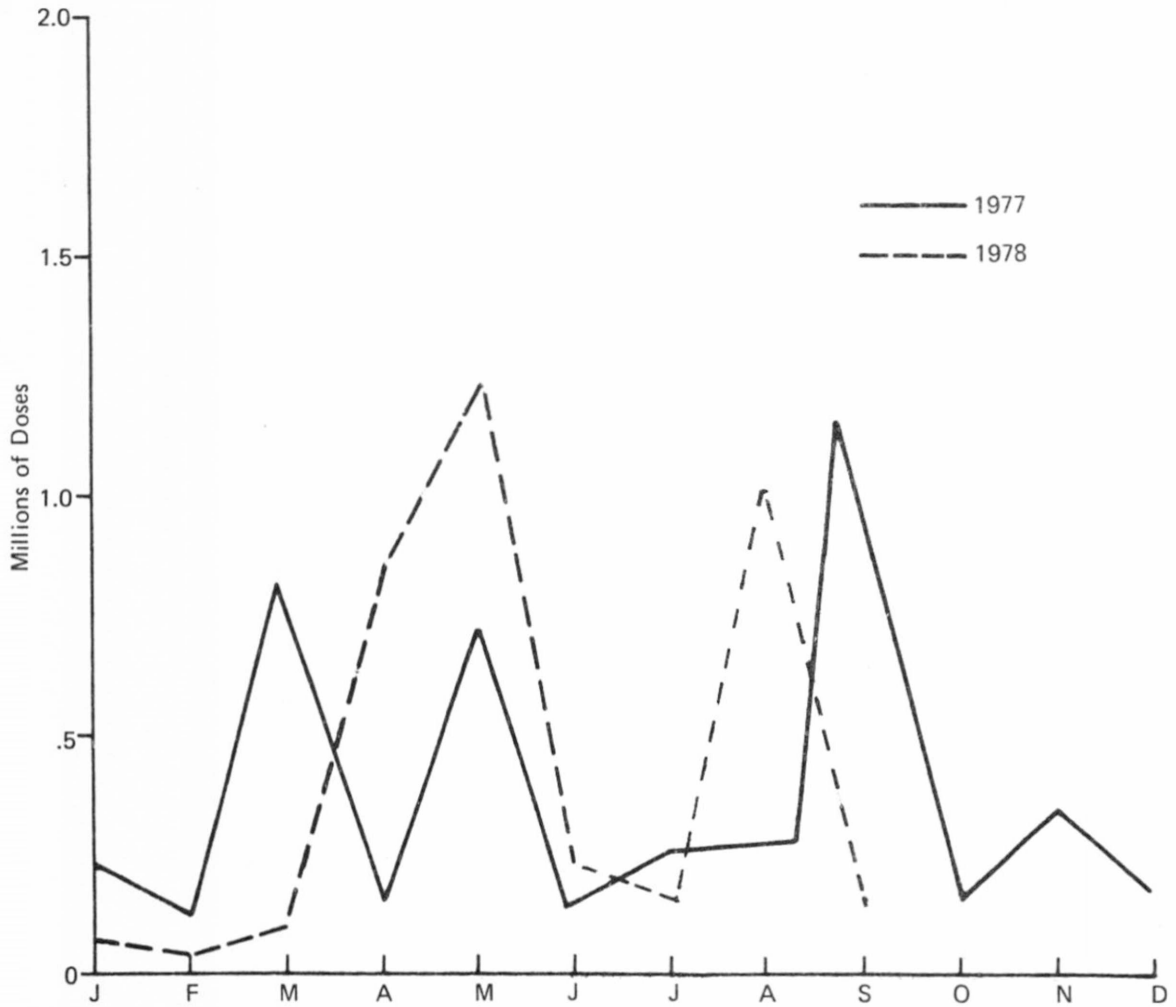


Figure 6
BIVALENT INFLUENZA VIRUS VACCINE
NET DISTRIBUTION BY MONTH – UNITED STATES

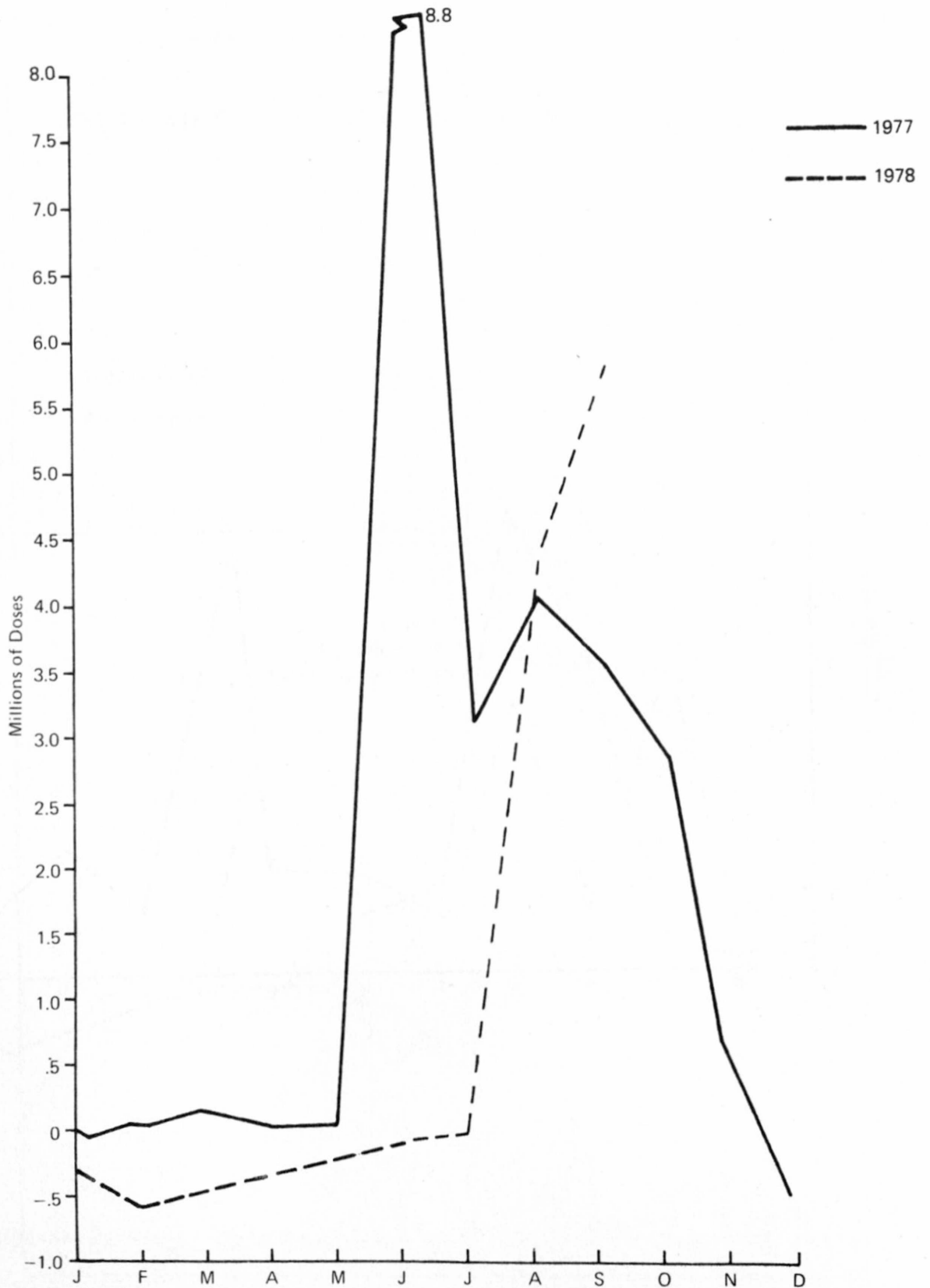


Figure 7
IMMUNE SERUM GLOBULIN (HUMAN)
NET DISTRIBUTION BY MONTH - UNITED STATES

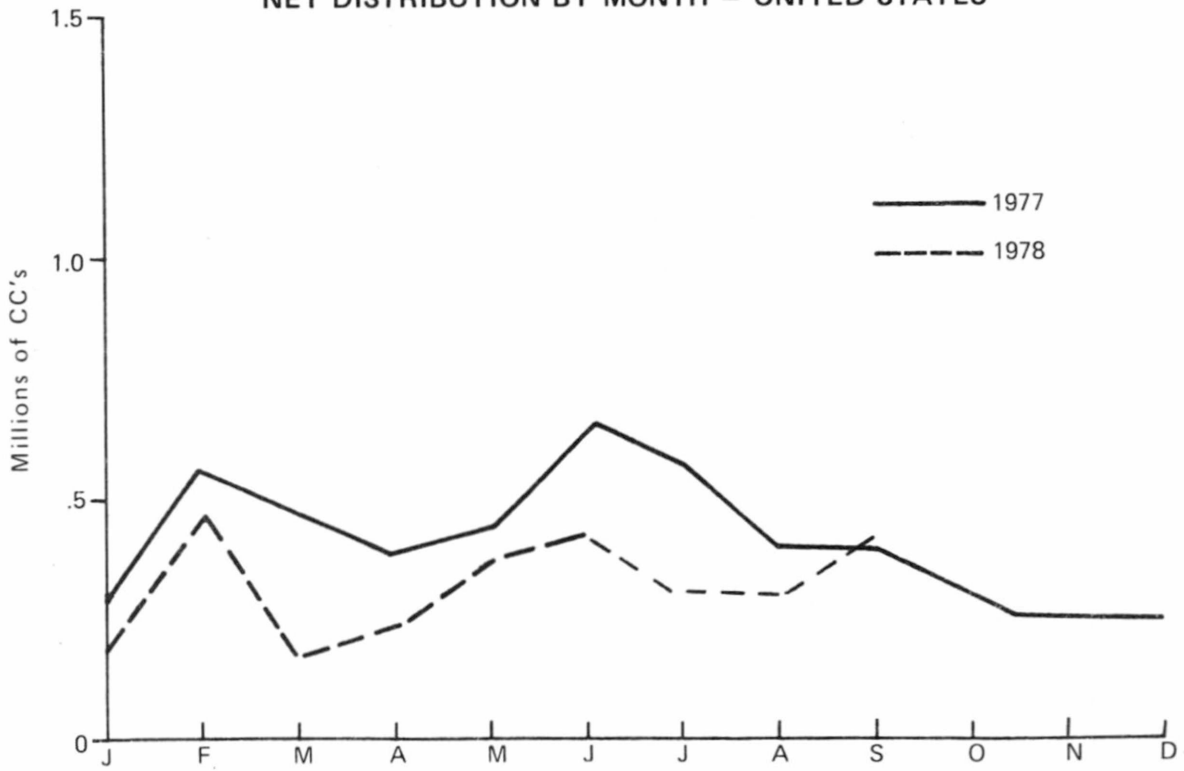


Figure 8
TETANUS IMMUNE GLOBULIN
NET DISTRIBUTION BY MONTH - UNITED STATES

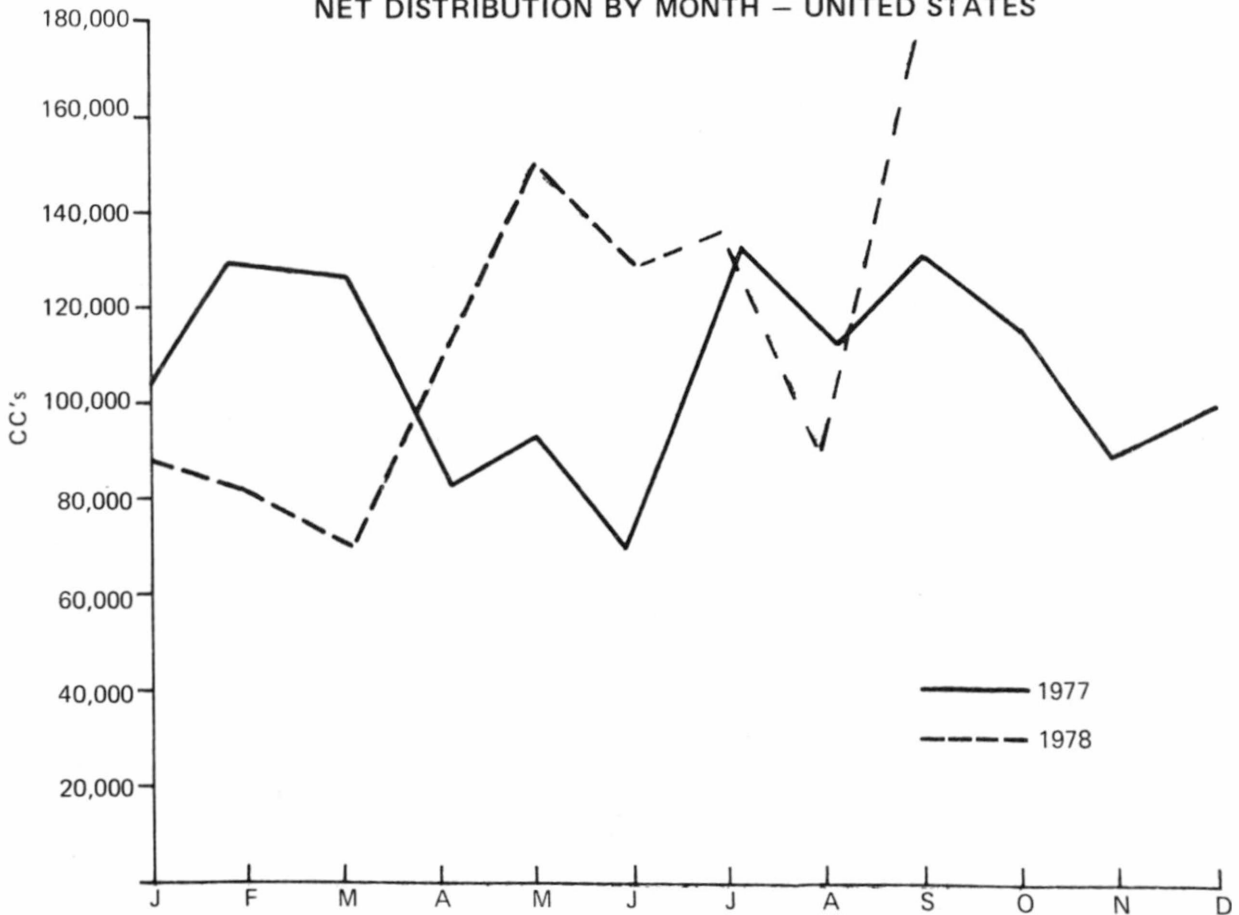


Figure 9
Mumps Vaccine*
Net Distribution By Month - United States

