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# NCJRS

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## ACQUISITIONS

CHARACTERISTICS OF CHILDREN COMMITTED TO
THE VIRGINIA DEPARTMENT OF CORRECTIONS IN 1977



COMMONWEALTH OF VIRGINIA DEPARTMENT OF CORRECTIONS

### **PREFACE**

The information in the following annual statistical report was compiled by the Department of Corrections, Research and Reporting Unit. Special assistance in the collection of the data was provided by the Evaluation and Monitoring Unit, formerly the Program Evaluation Unit of the Division of Youth Services. The data contained in this report reflect the characteristics of children committed during calendar year 1977. This report however, will in the future be published at the end of the fiscal year, June 30th. All questions, remarks or requests relating to the report should be directed to this agency.

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# REPORT OF THE CHARACTERISTICS OF CHILDREN COMMITTED TO STATE CARE IN 1977

This report represents the data recorded on the Intake Assessment Reports submitted during calendar year 1977 by the Mobile Psychiatric Clinic and the Rehabilitative School Authority at the Reception and Diagnostic Center. All of the children committed to the care of the Virginia Department of Corrections are received at this facility. There were 1,370 children committed in calendar year 1977. This represents a decrease of 10.8 percent in new commitments from the 1,536 committed in 1976.

## Summary of General Characteristics

### **COMMITTING OFFENSE**

Of the 1,370 children committed in 1977, 658 or 54.1 percent were committed for Offenses Against Property. Offenses Against Persons accounted for only 150 or 12.3 percent of all children committed. Alcohol or Drug-related offenses accounted for only 48 or 4.0 percent of all commitments. Status Offenders (Children in Need of Services) comprised 125 or 10.3 percent of the total commitments. A significant revision in the penal codes covering juvenile offenders became effective July 1, 1977. A major provision of that legislation prohibits the commitment of Children in Need of Services to the State Board of Corrections. The children committed under this category therefore only represent approximately the first six months of the calendar year.

### RACE AND SEX

The number of females committed to the Department of Corrections has continued to decline from 294 in 1976 to 232 in 1977, a 21.1 percent decrease. The number of males has increased from 1,116 in 1976 to 1,138 in 1977, a 2.0 percent increase. Black children accounted for 44.7 percent of all commitments, while white children comprised 55.1 percent of the total committed. Other categories accounted for only 0.2 percent of the total.

#### AGE AT COMMITMENT

The average age of all children committed, as in 1976, was fifteen years. The fifteen year olds accounted for the largest number committed with 401 or 29.3 percent. The sixteen year olds accounted for the second largest number with 398 or 29.1 percent.

#### AGE AT FIRST COMMUNITY CONTACT

The most frequent age of first community contact was fourteen years, comprising 19.6 percent of all commitments. Children who were thirteen years old made up the second most frequent age category with 15.3 percent. The Juvenile Court was the most prevalent type of first contact, accounting for 918 or 75.8 percent of all commitments. These statistics are similar to those in the 1975 and 1976 characteristics reports.

### **INTELLIGENCE**

As in 1976, average intelligence was the mode for all children committed in 1977, accounting for 44.6 percent of all commitments. Children with Dull Normal or below intelligence accounted for 38.3 percent of all commitments, while Bright Normal and above intelligence accounted for 17.1 percent. There were three children committed with Very Superior intelligence (I.Q. over 130) and 29 children were committed who tested Retarded intelligence (I.Q. below 70). In order to improve the usefulness of the I.Q. information being collected on children, the number of I.Q. categories was expanded beginning March, 1977. Data for children committed in January and February are excluded in the percentage computations.

### NUMBER OF COMMITMENTS

Children who were received only once at the Reception and Diagnostic Center accounted for 83.6 percent of the total commitments during the calendar year. This represents an increase of 3.3 percent over the percentage of children in this category last year. More than one commitment does not necessarily indicate recidivism. It is a common practice of the courts to send children to the Reception and Diagnostic Center for pre-dispositional evaluations. If the child is subsequently committed to state care, he will again be received at the Diagnostic Center, accounting for two commitments. There were 16.3 percent of the children who had been received two or more times at the Center.

### **COMMITTING COURT**

The cities, as in 1976, committed the greatest number of children in 1977, committing 830 or 60.6 percent, while the counties committed 540 children or 39.4 percent. The City of Richmond, as in the previous year, committed the most children with 117, while the City of Norfolk was second in commitments with 113. The City of Chesapeake was third with 88 commitments. The Counties of Fairfax, Prince William and Henrico committed the largest number of children, committing 58, 56 and 48 respectively.

### MONTH OF COMMITMENT

The month of January had the largest number of commitments in 1977 with 191. The month of September, as in 1976, had the fewest commitments with 66. The months of July through October had fewer than 100 commitments per month.

#### LIVING SITUATION OF CHILD AT TIME OF COMMITMENT

The largest number of all children committed, 546 or 45.1 percent, were living with one parent and a step-parent at the time of commitment. Children living with both natural parents accounted for 350 or 28.9 percent of all commitments. Among the total children committed, there were 74.0 percent who had homes with at least two adults in supervision.

### EARLIER LIVING SITUATION OF CHILD COMMITTED

As in 1976, the earlier living situation which was most prevalent was with both natural parents. The second most prevalent situation was living with one parent and a step-parent. As a result, 570 or 68.7 percent of all children committed resided earlier with both natural parents, while 177 or 21.4 percent resided with one natural parent and a step-parent.

## Medical Evaluation

### PREVIOUS NEUROLOGICAL EVALUATION

A large majority, 87.3 percent, of all children committed did not have previous neurological evaluations. Only 154 or 12.7 percent had previously had evaluations of this type. In comparing the above figures with the 1976 statistics, the trend is similar.

### PREVIOUS PSYCHOLOGICAL EVALUATION

A majority, 59.9 percent, of all children committed had at least one previous psychological contact, while 41.3 percent had no previous psychological evaluations. In comparing 1976 and 1977 statistics of the above, the relationship is similar.

### PREVIOUS PSYCHIATRIC EVALUATION AND HOSPITALIZATION

Over sixty percent (68.7 percent) of all commitments had no previous history of psychiatric evaluation, while only 31.3 percent had previous psychiatric evaluations. Most of the children committed had never been hospitalized for psychiatric care; only 14.4 percent of the children had a history of psychiatric hospitalization.

#### PREVIOUS RESIDENTIAL PLACEMENT FOR BEHAVIOR PROBLEMS

Twenty-five percent of all children committed had a history of previous residential placement for behavior problems (25.5 percent). Previous residential care does not include placement in locally operated community youth homes.

#### HEIGHT AND WEIGHT

Only 6.2 percent of all children committed were overweight, while only 5.2 percent were underweight. The above statistics are lower than the 1976 statistics when 7.7 percent were overweight and 6.0 percent were underweight. In comparing height, only 7.3 percent of all children committed were tall for their age, while 10.1 percent were short for their age.

#### VISION, DENTAL AND OTHER MEDICAL DISORDERS

Children with vision disorders comprised 15.0 percent of all the commitments, while children with dental disorders represented only 4.1 percent of the total commitments. There is a 3.7 percentage point decrease this year in vision disorders from 18.7 percent in 1976 and a 1.3 percentage point decrease in dental disorders from 5.4 percent in 1976. Other medical disorders decreased from 29.2 percent in 1976 to 20.7 percent in 1977.

### HEARING AND SPEECH DISORDERS

Only 6.3 percent of all children committed had any hearing disorders, while 16.4 percent had speech disorders. This represents a 57.3 percent decrease in the percentage of children with hearing disorders and a 43.2 percent decrease in those with speech disorders since calendar year 1976. These decreases, however, are probably not actually this significant since a large number of children were not tested and/or reported this year.

### **Educational Evaluation**

### **MATHEMATICS**

Numeration, addition, subtraction, multiplication, division, fractions, applications, money, time and measurement are tests taken from the Individual Mathematics System (IMS). Results from the above tests are used to place children in the appropriate mathematic levels set up in the learning centers. The results from the tests are reported in levels from lowest to highest and do not reflect grade level. The average level for each category was as follows: Numeration - 3.9; addition - 5.9; subtraction - 5.0; multiplication - 5.6; division - 4.3; fractions - 3.9; applications - 3.7; money - 5.0; time - 4.9 and measurement - 3.6.

All of the above categories, with the exception of numeration, increased or remained unchanged from average levels in 1976. Numeration decreased slightly from 4.0 in 1976 to 3.9 in 1977. The following categories showed increases over the 1976 averages: addition, from 5.8 to 5.9; subtraction, from 4.9 to 5.0; multiplication, from 5.5 to 5.6; division, from 4.2 to 4.3; money, from 4.9 to 5.0 and time, from 4.7 to 4.9. Fractions, applications and measurement remained constant at 3.9, 3.7 and 3.6 respectively.

#### SPECIAL NOTE

The percentages in the preceding narrative and in the following tables have been adjusted to exclude data not reported.

# General Characteristics of Children Committed to State Care in 1977

## RACE AND SEX

	1976		1977	
	No.	%	No.	%
Black Female	119	8.4	68	6.5
Black Male	497	35.2	524	38.2
White Female	174	12.5	141	10.3
White Male	617	43.8	614	44.8
Other Female	1	0.1	2	0.2
Other Male	2	0.2	0	0.0
Not Reported	1		0	
TOTAL	1,411	100.0	1,370	100.0

### AGE AT COMMITMENT

		1976		77
	No.	%	No.	%
9	1	0.1	0	0.0
10	5	0.4	1	0.1
11	10	0.7	18	1.3
12	32	2.3	31	2.3
<b>13</b> ,	106	7.8	73	5.3
14	222	16.3	195	14.2
15	374	27.5	401	29.3
16	394	29.0	398	29.1
17	204	15.0	238	17.4
18	11	0.8	13	1.0
19	1	0.1	0	0.0
Not Reported	51		2	
TOTAL	1,411	100.0	1,370	100.0

## COMMITTING OFFENSES

	19	77
	No.	%
Offenses Against Persons	150	12.3
Offenses Against Property	658	54.1
Offenses Against Morality, Decency, and Peace	32	2.6
Offenses Against Public Justice and Policy	8	0.7
Children in Need of Services (Status Offenses)	125	10.3
Traffic and Vehicle Law Offenses	11	0.9
Alcohol and Drug Offenses	48	4.0
Miscellaneous Offenses	184	15.1
Not Reported	154	
TOTAL	1,370	100.0

## INTELLIGENCE

	1977		
	No.	%	
Very Superior (over 130)	3	0.3	
Superior (120 $-$ 129)	23	2.7	
Bright Normal (110 — 119)	123	14.1	
Normal (90 — 109)	388	44.6	
Dull Normal (80 — 89)	218	25.0	
Borderline $(70-79)$	87	10.0	
Retarded (below 70)	29	3.3	
Reported with different I.Q. categories	107		
Not Reported	392		
TOTAL	1,370	100.0	

## AGE AT FIRST COMMUNITY CONTACT

	1976		19	77
	No.	%	No.	%
1	11	0.8	12	1.0
2	8	0.6	7	0.6
3	10	0.7	6	0.5
4	6	0.4	5	0.4
5	18	1.3	11	0.9
6	22	1.6	19	1.6
. 7	36	2.6	34	2.9
8	54	3.9	34	2.9
9	71	5.2	48	4.1
10	95	6.9	105	8.9
11	122	8.9	110	9.4
12	185	13.5	152	12.9
13	234	17.0	180	15.3
14	239	17.4	230	19.6
15	171	12.5	137	11.7
16	78	5.7	71	6.1
17	12	0.9	14	1.2
18	1	0.1	0	0.0
Not Reported	38		195	
TOTAL	1,411	100.0	1,370	100.0

## TYPE OF COMMUNITY CONTACT

	19	76	19'	77
	No.	%	No.	%
School Psychologist/ School Social Worker	116	8.4	105	8.7
Social Service Bureau	98	7.1	79	6.5
Juvenile Court	1,048	75.7	918	75.8
Mental Health Center	78	5.6	60	5.0
Other	45	3.2	49	4.0
Not Reported	26		159	
TOTAL	1,411	100.0	1,370	100.0

## NUMBER OF COMMITMENTS

	1976		1977	
	No.	%	No.	%
1	1,109	82.9	1,146	83.7
<b>2</b>	200	14.9	185	13.5
3	27	2.0	32	2.3
4 <b>4</b>	2	0.2	5	0.4
5	0	0.0	1	0.1
Not Reported	73		1	
TOTAL	1,411	100.0	1,370	100.0

<sup>\*</sup>Multiple commitments do not necessarily indicate recidivism. See explanation in narrative on p. 2.

MONTH OF COMMITMENT

	1976		1977	
	No.	%	No.	%
January	125	9.2	191	14.0
February	101	7.4	122	8.9
March	143	10.5	133	9.7
April	114	8.3	113	8.2
May	110	8.1	123	9.0
June	118	8.7	134	9.8
July	109	8.0	85	6.2
August	118	8.7	86	6.3
September	95	7.0	66	4.8
October	118	8.7	92	6.7
November	114	8.3	123	9.0
December	97	7.1	101	7.4
Not Reported	49		1	
TOTAL	1,411	100.0	1,370	100.0

## COMMITTING COURT

	19	76	1977		
Counties	No.	%	No.	%	
Accomack	10	0.7	6	0.4	
Albemarle	3	0.2	8	0.6	
Alleghany	0	0.0	1	0.1	
Amelia	2	0.2	1	0.1	
Amherst	10	0.7	4	0.3	
Appomattox	3	0.2	3	0.2	
Arlington	23	1.6	26	1.8	
Augusta	10	0.7	10	0.7	
Bath	2	0.2	0	0.0	
Bedford	9	0.6	8	0.6	
Bland	0	0.0	0	0.0	
Botetourt	2	0.2		0.1	
Brunswick	5	0.4		0.1	
Buchanan	3	0.2	0	0.0	
Buckingham	5	0.5	1	0.1	
Campbell	10	0.7	6	0.4	
Caroline	7	0.5	2	0.2	
Carroll	2	0.2	1	0.1	
Charles City	$1^{(i)} = 1^{(i)} 1^{(i)}$	0.1	3	0.2	
Charlotte	6	0.4	1	0.1	
Chesterfield	12	0.8	22	1.6	
Clarke	4	0.3	4	0.3	
Craig	2	0.2		0.1	
Culpeper	9	0.6	3	0.2	
Cumberland	1	0.1	2	0.2	
Dickenson	2	0.2	0	0.0	
Dinwiddie	<b>1</b>	0.1	0	0.0	
Essex	5	0.4	3	0.2	

## COMMITTING COURT (Continued)

	1976		19	77
Counties	No.	%	No.	%
Fairfax	30	2.1	58	4.2
Fauquier	3	0.2	2	0.2
Floyd	1	0.1	1	0.1
Fluvanna	1	0.1	5	0.4
Franklin	11	8.0	3	0.2
Frederick	2	0.2	1	0.1
Giles	6	0.4	5	0.4
Gloucester	4	0.3	1	0.1
Goochland	3	0.2	4	0.3
Grayson	1	0.1	0	0.0
Greene	0	0.0	2	0.2
Greensville	2	0.2	1	0.1
Halifax	3	0.2	4	0.3
Hanover	11	0.8	6	0.4
Henrico	54	3.8	48	3.5
Henry	12	0.8	9	0.6
Highland	6	0.4	0	0.0
Isle of Wight	8	0.5	9	0.6
James City	4	0.3	3	0.2
King George	3	0.2	3	0.2
King and Queen	0	0.0	0	0.0
King William	2	0.2	0	0.0
Lancaster	1	0.1	3	0.2
Lee	5	0.4	6	0.4
Loudoun	7	0.5	15	1.0
Louisa	8	0.5	3	0.2
Lunenburg	0	0.0	1	0.1
Madison	7	0.5	2	0.2
Mathews	1	0.1	1	0.1

## COMMITTING COURT (Continued)

	1976		197	17
Counties	No.	%	No.	%
Mecklenburg	3	0.2	4	0.3
Middlesex	1	0.1	0	0.0
Montgomery	3	0.2	3	0.2
Nelson	1	0.1	0	0.0
New Kent	0	0.0	0	0.0
Northampton	10	0.7	5	0.4
Northumberland	1	0.1	6	0.4
Nottoway	1	0.1	3	0.2
Orange	2	0.2	12	0.9
Page	1	0.1	1	0.1
Patrick	0	0.0	0	0.0
Pittsylvania	7	0.5	4	0.3
Powhatan	6	0.4	1	0.1
Prince Edward	5	0.4	1	0.1
Prince George	4	0.3	5	0.4
Prince William	49	3.5	56	4.0
Pulaski	11	0.8	4	0.3
Rappahannock	0	0.0	0	0.0
Richmond	4	0.3	10	0.7
Roanoke	10	0.7	8	0.6
Rockbridge	1	0.1	0	0.0
Rockingham	3	0.2	6	0.4
Russell	1	0.1	1	0.1
Scott	4	0.3	4	0,3
Shenandoah	3	0.2	0	0.0
Smyth	6	0.4	10	0.7
Southampton	1	0.1	1	0.1
Spotsylvania	14	1.0	7	0.5

## COMMITTING COURT (Continued)

	19	)76	19	77
Counties	No.	%	No.	%
Stafford	15	1.1	13	0.9
Surry	0	0.0	0	0.0
Sussex	1	0.1	2	0.2
Tazewell	8	0.5	4	0.3
Warren	3	0.2	6	0.4
Washington	12	0.8	12	0.9
Westmoreland	8	0.5	9	0.6
Wise	16	1.1	18	1.3
Wythe	2	0.2	0	0.0
York	8	0.5	10	0.7
Not Reported	2		0	
TOTAL	572	41.1	540	39.4

Cities				
Alexandria	29	2.0	31	2.2
Bedford	1	0.1	1	0.1
Bristol	12	0.8	19	1.4
Buena Vista	0	0.0	ī	0.1
Charlottesville	15	1.0	23	1.7
Chesapeake	59	4.2	88	6.4
Clifton Forge	2	0.2	3	0.2
Colonial Heights	0	0.0	4	0.3
Covington	0	0.0	0 1	0.0
Danville	18	1.2	12	0.9
Emporia	9	0.6	9	0.6
Fairfax	8	0.5	3	0.2
Falls Church	2	0.2	1	0.1
Franklin	6	0.4	3	0.2

## COMMITTING COURT (Concluded)

	19	76	1977	
Cities	No.	%	No.	%
Fredericksburg	11	0.8	4	0.3
Galax	0	0.0	2	0.2
Hampton	46	3.2	36	2.6
Harrisonburg	0	0.0	3	0.2
Hopewell	21	1.4	15	1.1
Lexington	1	0.1	1	0.1
Lynchburg	21	1.4	22	1.6
Manassas	0	0.0	5	0.4
Manassas Park	0	0.0	0	0.0
Martinsville	12	0.8	21	1.5
Newport News	104	7.4	77	5.6
Norfolk	99	7.0	113	8.3
Norton	1	0.1	0	0.0
Petersburg	18	1.2	27	2.0
Poquoson	0	0.0	0	0.0
Portsmouth	54	3.8	32	2.3
Radford	5	0.4	2	0.2
Richmond	150	10.6	117	8.5
Roanoke	45	3.2	<b>52</b>	3.8
Salem	2	0.2	3	0.2
Staunton	11	0.8	9	0.6
Suffolk	23	1.6	35	2.6
Virginia Beach	29	2.0	31	2.3
Waynesboro	9	0.6	17	1.2
Williamsburg	6	0.4	4	0.3
Winchester	10	0.7	4	0.3
TOTAL	839	58.9	830	60.6
GRAND TOTAL	1,411	100.0	1,370	100.0

LIVING SITUATION OF CHILD AT TIME OF COMMITMENT

	1976		197	77
	No.	%	No.	%
Both Natural Parents	425	30.4	350	28.9
1 Parent, 1 Step-Parent	188	13.5	546	45.1
Mother Only	384	27.5	52	4.3
Father Only	87	6.2	6	0.5
Step-Parent Only	2	0.2	30	2.5
Not in Parental Home	58	4.1	21	1.7
Adoptive Home	13	0.9	65	5.4
Foster Home	121	8.7	31 · ; · · ·	2.5
Residential Treatment	15	1.1	105	8.7
Other	104	7.4	5	0.4
Not Reported	14		159	
TOTAL	1,411	100.0	1,370	100.0

### EARLIER LIVING SITUATION OF CHILD COMMITTED

	19′	76	197	7
	No.	%	No.	%
Both Natural Parents	678	48.4	570	68.7
1 Parent, 1 Step-Parent	86	6.1	177	21.4
Mother Only	124	8.8	2	0.3
Father Only	25	1.8	0	0.0
Step-Parent Only	0	0.0	12	1.4
Not in Parental Home	19	1.4	17	2.1
Adoptive Home	15	1.1	9	1.1
Foster Home	18	1.3	1	0.1
Residential Treatment	2	0.1	31	3.7
Other	35	2.5	3	0.4
Multiple	400	28.5	7	0.8
Not Reported	9		541	
TOTAL	1,411	100.0	1,370	100.0

## **Medical Evaluation**

## PREVIOUS NEUROLOGICAL EVALUATION

	19	976	19'	77
	No.	%	No.	%
No	1,254	89.5	1,062	87.3
Yes	116	8.3	125	10.3
Multiple	31	2.2	29	2.4
Not Reported	10		154	
TOTAL	1,411	100.0	1,370	100.0

### PREVIOUS PSYCHOLOGICAL EVALUATION

	19	76	1977	
	No.	%	No.	%
No	587	41.7	485	41.3
Yes	534	38.0	471	40.1
Multiple	286	20.3	219	18.6
Not Reported	4		195	ntija por arche a salimonto rene na sili tarolina.
TOTAL	1,411	100.0	1,370	100.0

## PREVIOUS PSYCHIATRIC EVALUATION

	19	1976 197		77
	No.	%	No.	%
No	962	68.3	807	68.7
Yes	290	20.6	244	20.8
Multiple	156	11.1	124	10.5
Not Reported	3		195	
TOTAL	1,411	100.0	1,370	100.0

## PREVIOUS RESIDENTIAL PLACEMENT FOR BEHAVIOR PROBLEMS

	19	76	19	77
	No.	%	No.	%
No	1,109	78.6	906	74.5
Yes	255	18.1	265	21.8
Multiple	47	3.3	45	3.7
Not Reported	0		154	
TOTAL	1,411	100.0	1,370	100.0

## PREVIOUS PSYCHIATRIC HOSPITALIZATION

	19	976	197	77
	No.	%	No.	%
No	1,231	87.9	1,041	85.6
Yes	130	9.3	137	11.3
Multiple	39	2.8	38	3.1
Not Reported	11		154	
TOTAL	1,411	100.0	1,370	100.0

## OVERWEIGHT

	19	976	19'	77
	No.	%	No.	%
No	1,297	92.3	924	93.8
Yes	108	7.7	61	6.2
Not Reported	6		385	
TOTAL	1,411	100.0	1,370	100.0

## UNDERWEIGHT

	19	1976		77
	No.	%	No.	%
No	1,317	94.0	932	94.8
Yes	84	6.0	51	5.2
Not Reported	10		387	
TOTAL	1,411	100.0	1,370	100.0

## TALL FOR AGE

	1976		19	77
	No.	%	No.	%
No	1,327	94.5	911	92.7
Yes	77	5.5	72	7.3
Not Reported	7		387	
TOTAL	1,411	100.0	1,370	100.0

## SHORT FOR AGE

	1976		1977	
	No.	%	No.	%
No	1,253	89.3	883	89.9
Yes	150	10.7	99	10.1
Not Reported	8		388	
TOTAL	1,411	100.0	1,370	100.0

## VISION DISORDER

	1976		1977	
	No.	%	No.	%
No	1,138	81.3	836	85.0
Yes	261	18.7	147	15.0
Not Reported	12		387	
TOTAL	1,411	100.0	1,370	100.0

## DENTAL DISORDER

	19	1976		77
	No.	%	No.	%
No	1,326	94.6	943	95.9
Yes	76	5.4	40	4.1
Not Reported	9		387	
TOTAL	1,411	100.0	1,370	100.0

### OTHER MEDICAL DISORDERS

	197	1976		77
	No.	%	No.	%
No	975	70.8	773	79.3
Yes	403	29.2	202	20.7
Not Reported	33		395	
TOTAL	1,411	100.0	1,370	100.0

## HEARING DISORDER

	1976		1977	
	No.	%	No.	%
Not Significant	1,168	90.4	791	93.7
Mild	117	9.0	51	6.1
Moderate	6	0.5	1	0.1
Severe	1	0.1	1	0.1
Not Reported	119		526	
TOTAL	1,411	100.0	1,370	100.0

## SPEECH DISORDER

	19′	1976		1977	
	No.	%	No.	%	
Not Significant	1,018	80.7	703	83.6	
Mild	211	16.8	101	12.0	
Moderate	28	2.2	34	4.0	
Severe	4	0.3	3	0.4	
Not Reported	150		529		
TOTAL	1,411	100.0	1,370	100.0	

## Educational Evaluation

### NUMERATION

	1976		197	17
Level	No.	%	No.	%
1	138	10.2	78	8.0
2	281	20.7	191	19.5
3	246	18.2	202	20.6
4	219	16.2	184	18.8
5	127	9.4	84	8.6
6	108	8.0	63	6.4
7	111	8.2	84	8.6
8	105	7.8	75	7.7
9	18	1.3	18	1.8
Not Reported	58		391	
TOTAL	1,411	100.0	1,370	100.0

## ADDITION

	19	1976		77
Level	No.	%	No.	%
1	8	0.6	4	0.4
2	27	1.9	11	1.1
3	34	2.5	12	1.2
4	175	12.7	130	13.3
5	396	28.7	313	31.9
6	306	22.2	210	21.4
7	194	14.1	127	13.0
8	172	12.5	106	10.8
9	67	4.8	68	6.9
Not Reported	32		389	
TOTAL	1,411	100.0	1,370	100.0

## SUBTRACTION

	1	1976		77
Level	No.	%	No.	%
1	18	1.3	15	1.5
2	87	6.4	49	5.0
3	140	10.2	81	8.3
4	396	29.0	287	29.3
5	268	19.6	222	22.6
. 6	171	12.5	135	13.8
7	139	10.2	93	9.5
8	132	9.6	80	8.2
9	17	1.2	18	1.8
Not Reported	43		390	
TOTAL	1,411	100.0	1,370	100.0

## MULTIPLICATION

	1	976	19	377
Level	No.	%	No.	%
1	51	3.8	26	2.7
2	51	3.8	27	2.8
3	109	8.1	86	8.8
4	282	21.0	201	20.6
5	219	16.3	195	20.0
6	151	11.3	88	9.0
7	189	14.1	114	11.7
8	178	13.3	128	13.2
9	111	8.3	109	11.2
Not Reported	70		396	
TOTAL	1,411	100.0	1,370	100.0

## DIVISION



	19'	76	197	17
Level	No.	%	No.	%
1	210	17.3	154	16.4
2	109	9.0	80	8.5
3	181	14.9	115	12.2
4	199	16.4	164	17.4
5	175	14.4	168	17.9
6	98	8.1	74	7.9
7	81	6.7	70	7.4
8	117	9.6	83	8.8
9	44	3.6	33	3.5
Not Reported	197		429	
TOTAL	1,411	100.0	1,370	100.0

## FRACTIONS

S S S MAN THE STATE OF THE STAT	1976		1977	
Level	No.	%	No.	%
1	179	14.3	167	17.7
2	177	14.1	134	14.2
3	228	18.2	127	13.5
4	173	13.8	137	14.6
<b>5</b>	249	19.8	189	20.1
6	96	7.6	82	8.7
7	58	4.6	32	3.4
8	68	5.4	53	5.6
9	28	2.2	21	2.2
Not Reported	155		428	
TOTAL	1,411	100.0	1,370	100,0

## APPLICATIONS

	19'	76	1977	
Level	No.	%	No.	%
1	153	11.7	75	7.8
2	271	20.6	200	20.8
3	289	22.0	240	24.9
4	198	15.1	139	14.4
5	163	12.4	143	14.9
6	114	8.7	73	7.6
7	68	5.2	55	5.7
8	39	3.0	25	2.6
9	17	1.3	13	1.3
Not Reported	99		407	
TOTAL	1,411	100.0	1,370	100.0

## MONEY

	1976		1977	
Level	No.	%	No.	%
1	20	1.5	12	1.2
2	71	5.2	39	4.0
3	122	9.0	67	6.8
4	240	17.7	166	17.0
5	413	30.5	330	33.7
6	367	27.1	282	28.8
7	119	8.8	63	6.4
8	2	0.1	3	0.3
9	2	0.1	18	1.8
Not Reported	55		390	
TOTAL	1,411	100.0	1,370	100.0

TIME

TERRITORIA	1976		1977	
Level	No.	%	No.	%
1	89	6.7	43	4.5
2	108	8.2	52	5.4
3	202	15.3	134	14.0
4	224	17.0	164	17.1
5	232	17.6	247	25.7
6	167	12.7	115	12.0
7	192	14.6	126	13.1
8	99	7.5	52	5.4
9	<b>5</b>	0.4	27	2.8
Not Reported	93		410	
TOTAL	1,411	100.0	1,370	100.0

# MEASUREMENT

	1976		1977	
Level	No.	%	No.	%
	174	13.4	109	11.5
2	232	17.9	178	18.8
3	253	19.5	212	22.4
4	248	19.2	183	19.3
<b>5</b>	190	14.7	117	12.4
6	90	6.9	68	7.2
7	58	4.5	43	4.5
8	46	3.6	32	3.4
9	4	0.3	5	0.5
Not Reported	116		423	
TOTAL	1,411	100.0	1,370	100.0