



Background:

In this report, I explore four different datasets on various aspects of life in a village of Peru called Lurin (a municipality in Lima city). All of the data comes from Open Data government initiative and the purpose of this report is to analyze multifaceted life conditions to derive actionable insights that can improve the life of the residents.

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Computing Equipment
Inventory & Capacity

Educational Institution and
Growth Opportunities

Eldery population and their
health concerns

Population with disability and
their challenges

Overview of Computing Equipment Inventory of the District Municipality of Lurin, Peru (Date: June 06 2023)

Total Number of Computer

209

CPU Processing Power

Median Core Count

4

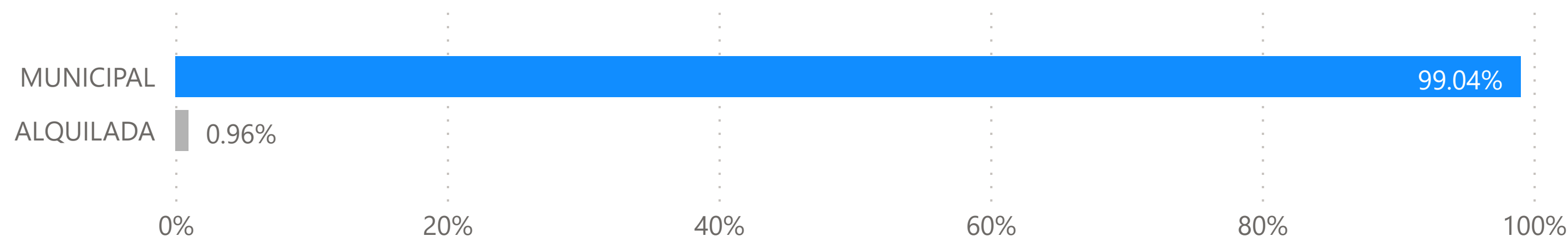
Average of Base_Clock_Speed (GHz)

3.21

Average of Turbo_Boost_Frequency...

3.51

Municipality owns almost all of its resources



Memory Capacity

Total RAM (GB)

1K

Median RAM (GB)

8

Total Disk (GB)

173K

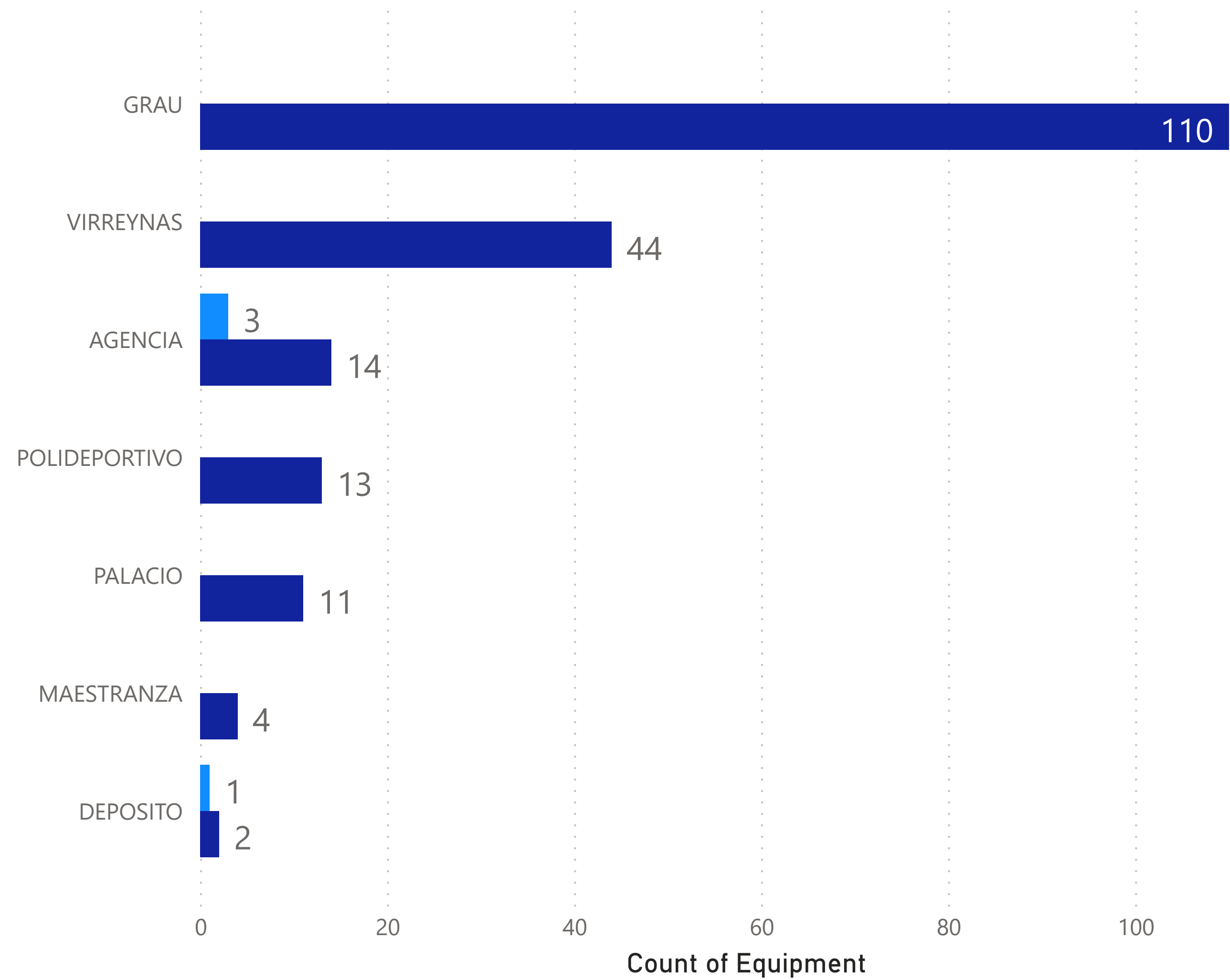
Median Disk (GB)

1K

Distribution of Inventory within Lurin Municipality

Most of the computing equipment are located in GRAU & VIRREYNAS
20% and 50% of the equipment in AGENCIA and DEPOSITO are unoperational

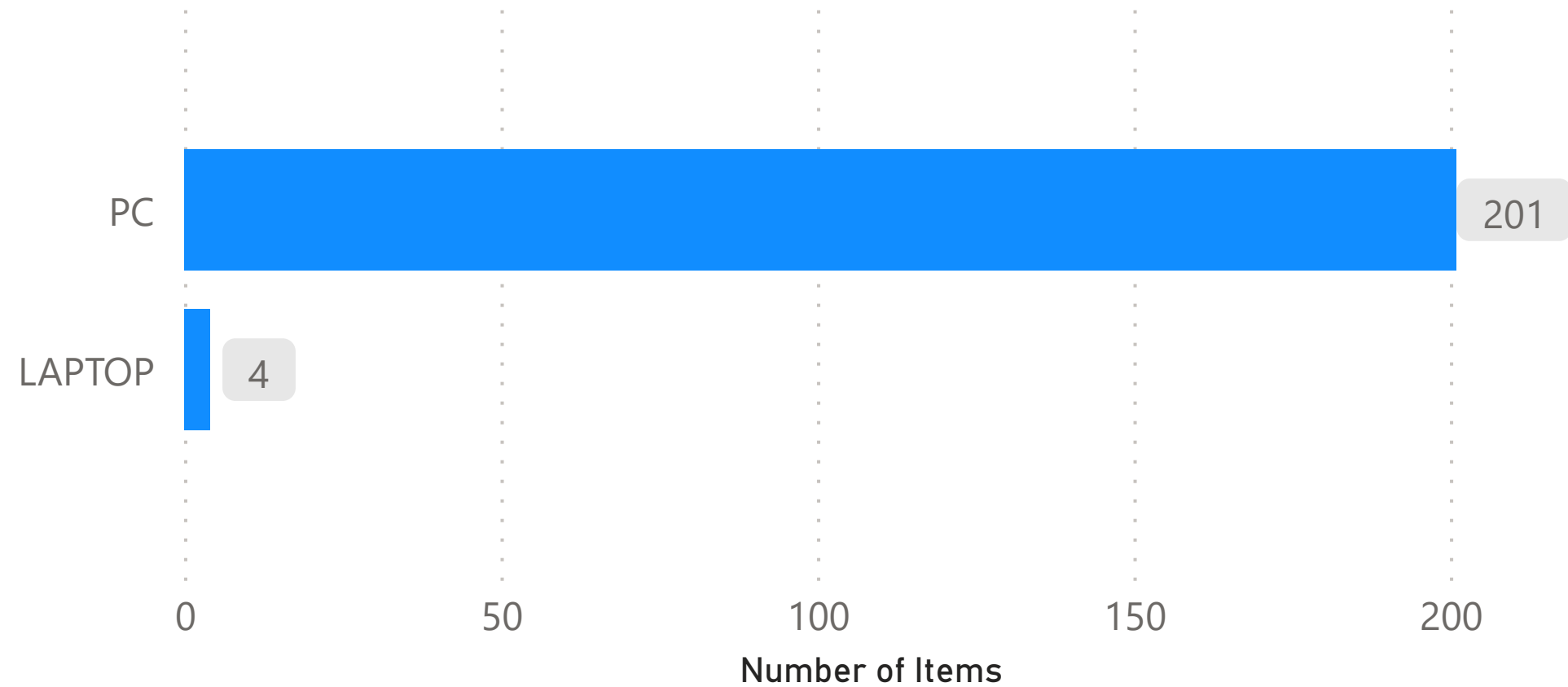
Equipment_State ● INOPERATIVO ● OPERATIVO



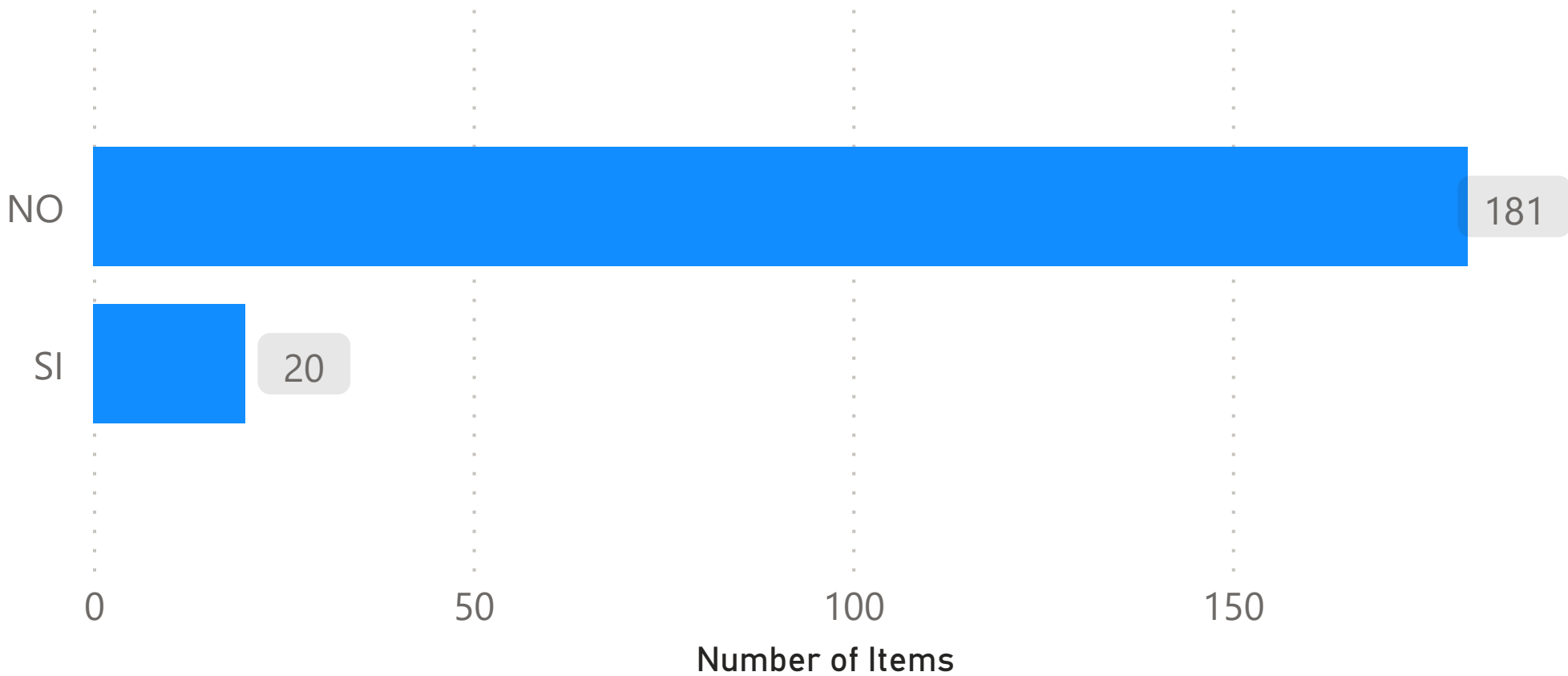
LOCAL	No of Machines
<div><div></div> GRAU</div>	114
<div><div></div> VIRREYNAS</div>	45
SUBGERENCIA DE FISCALIZACION TRIBUTARIA	8
ORGANO DE CONTROL INTSTITUCIONAL	7
SUBGERENCIA DE FISCALIZACION ADMINISTRATIVA	7
GERENCIA DE DESARROLLO ECONOMICO	6
SUBGERENCIA DE TRANSITO, TRANSPORTE Y SEGURIDAD VIAL	5
SUBGERENCIA DE FISCALIZACION	3
SUBGERENCIA DE GESTION DEL RIESGO DE DESASTRE	3
SUBGERENCIA DE CONTABILIDAD	2
SUBGERENCIA DE GESTION DOCUMENTARIA, ARCHIVO Y ATENCION AL CIUDADANO	2
SUBGERENCIA DE OBRAS PRIVADAS, CATASTRO Y HABILITACIONES URBANAS	1
UNIDAD FUNCIONAL DE REGISTRO CIVIL	1
<div><div></div> AGENCIA</div>	17
GERENCIA DE PARTICIPACION CIUDADANA	3
UNIDAD FUNCIONAL PROGRAMA VASO DE LECHE (PVL)	3
Total	207

System Features of Computing Inventory within Lurin Municipality

Type of Equipment

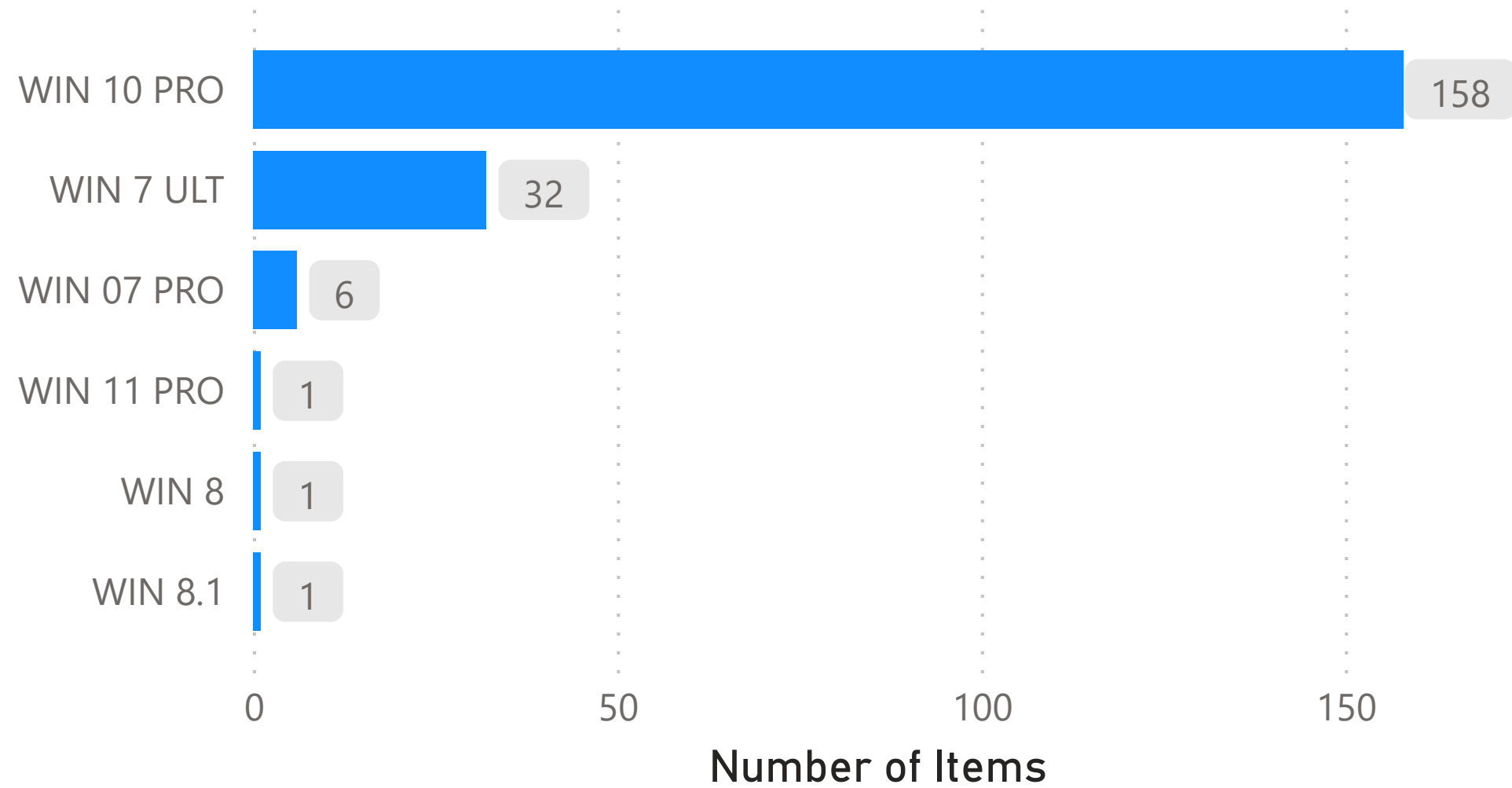


Presence of Video Card



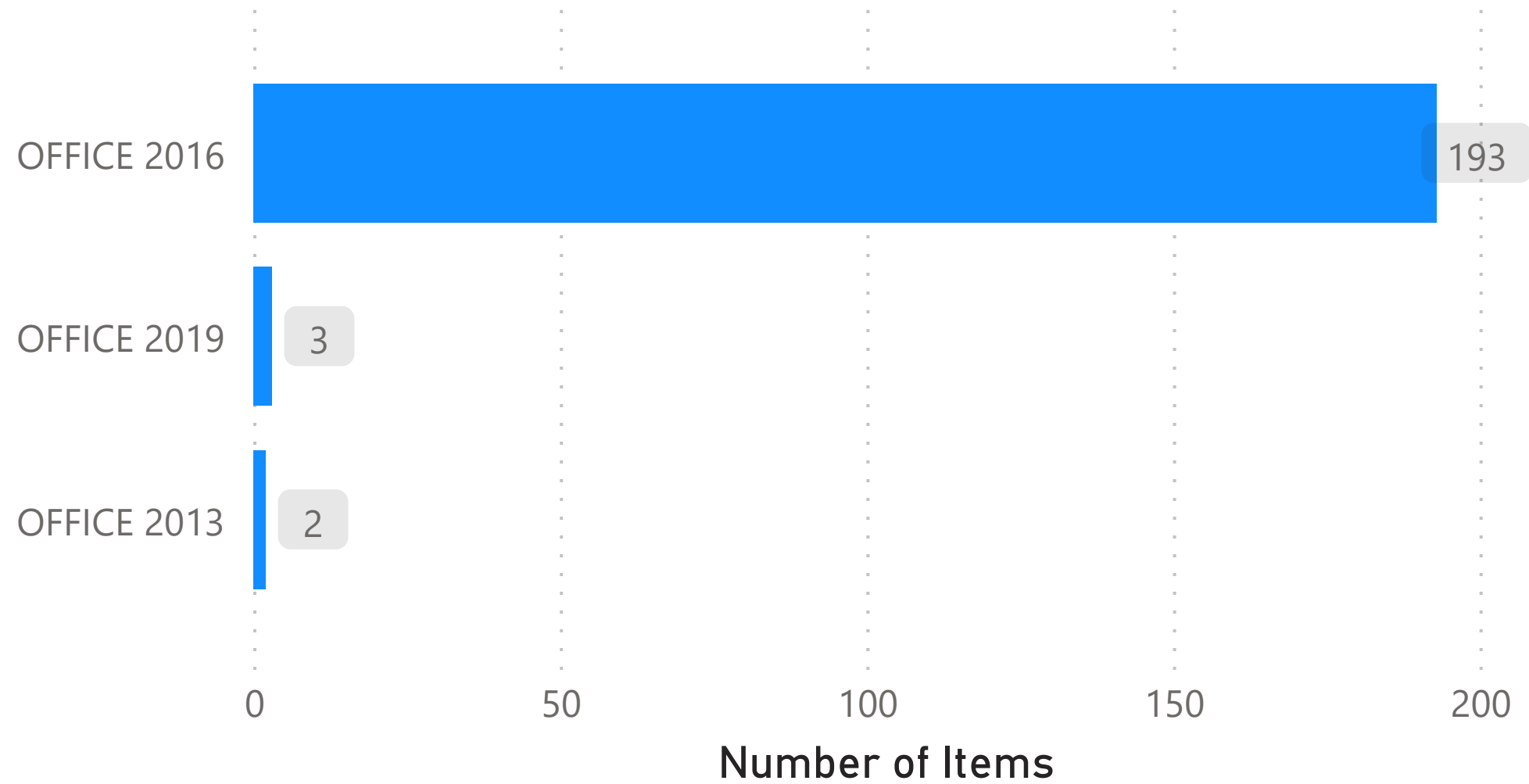
Operating System

Around 17.5% of the computers are still running on Windows 7 version, which might require updating.



Microsoft Office Application

The latest version of Office is Office 2019 and most of the computers are using very old version



System Features of Computing Inventory within Lurin Municipality

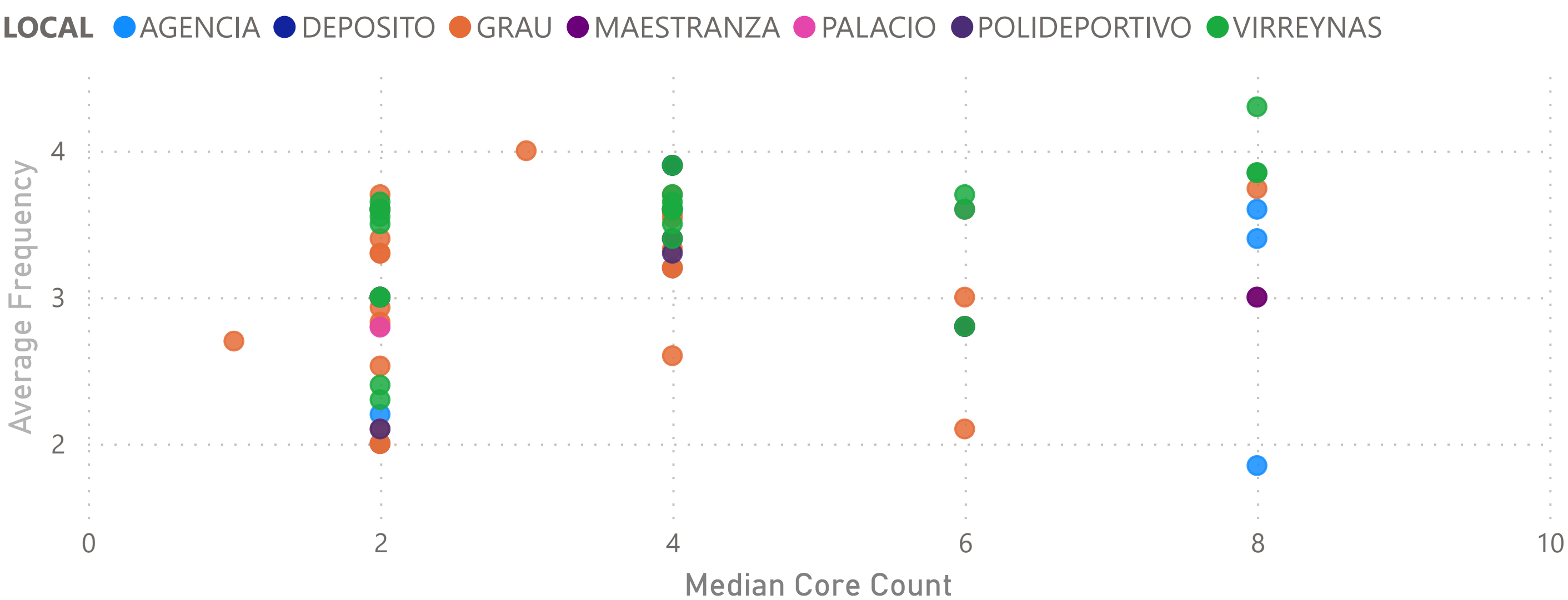
CPU, Motherboard, Monitor, and Keyboard Brands & Model

CPU_Model	Item_Count	Motherboard	Item_Count	MONITOR_BRAND	Item_Count
INTEL I7-7700	23	LENOVO	35	LENOVO	32
INTEL I3-4160	21	ECS	34	THINKVISION	18
INTEL I5-8400	19	FUJITSU	23	A18215FS1	9
INTEL I5-4690	14	GIGABYTE	21	A16215FTO	5
INTEL I5-3470	11	INTEL	20	LG	20
INTEL I7-4770	11	HP	14	DELL	17
INTEL I7-9700	11	GIGABYTE TECHNOLOGY	7	Total	89
INTEL CORE I7-7700	7	ASUS	3		
INTEL I5-7500	7	ALL SERIES	2	Keyboard_Brand	Item_Count
PENTIUM DUAL CORE E5700	7	ALL	1	MICROSOFT	49
INTEL I5-6600	6	DELL	3	FUJITSU	37
INTEL I5-10400	4	GIGABYTE TECHNOLOGY C.O	3	LENOVO	31
INTEL I5-8600	4	HEWLETT-PACKARD	3	DELL	17
INTEL CORE 2 DUO E4500	3	FIJITSU	2	GENIUS	10
		MSI	2	HP	8
Total	195	Total	192	Total	185

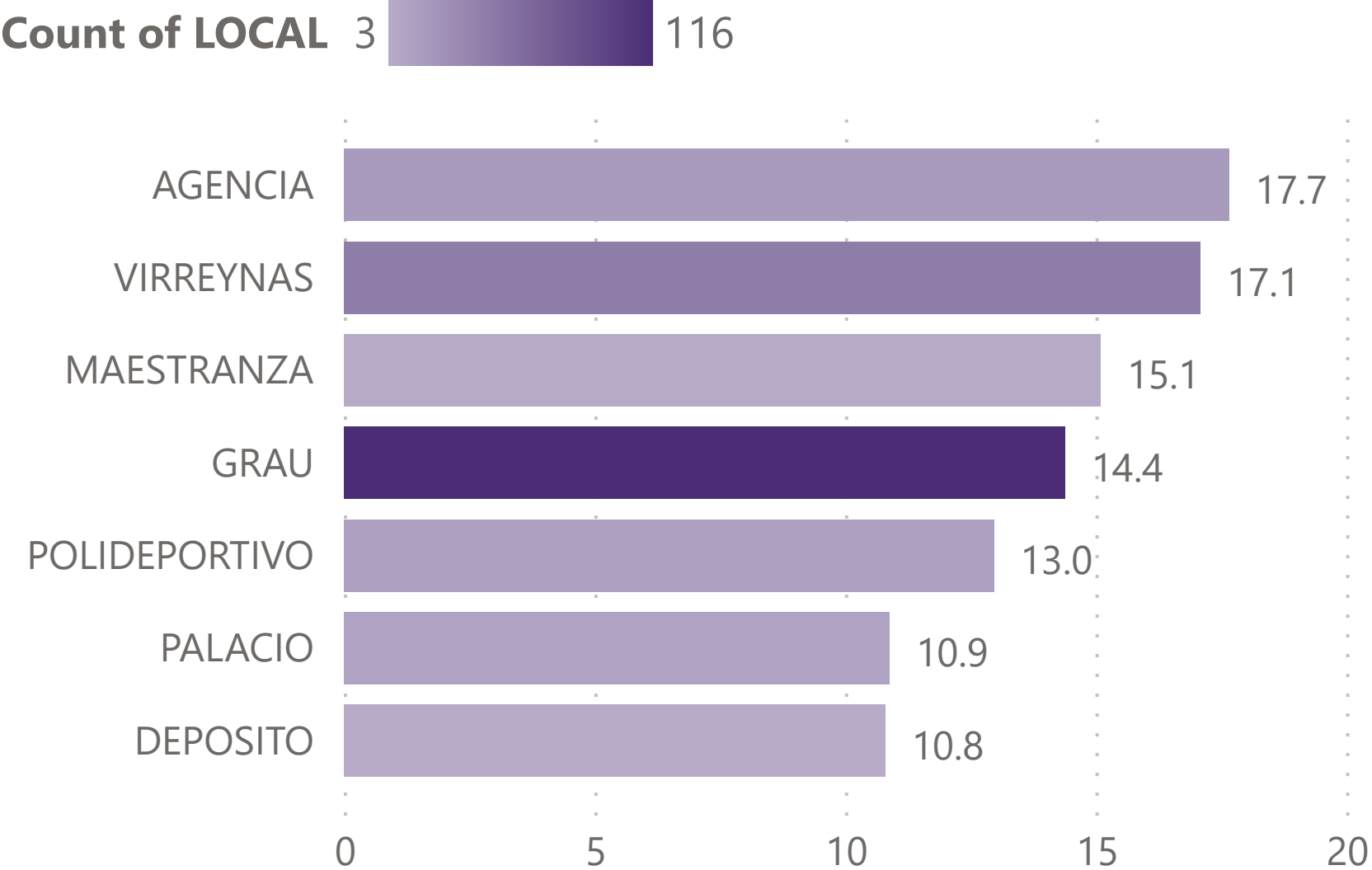
CPU Breakdown of Computing Inventory within Lurin Municipality

Computing Power Index Defined as: $\text{Core Count} * (\text{Base Clock Speed} + \text{Max Turbo Frequency}) / 2$

Core Count vs. Average Frequency of CPU



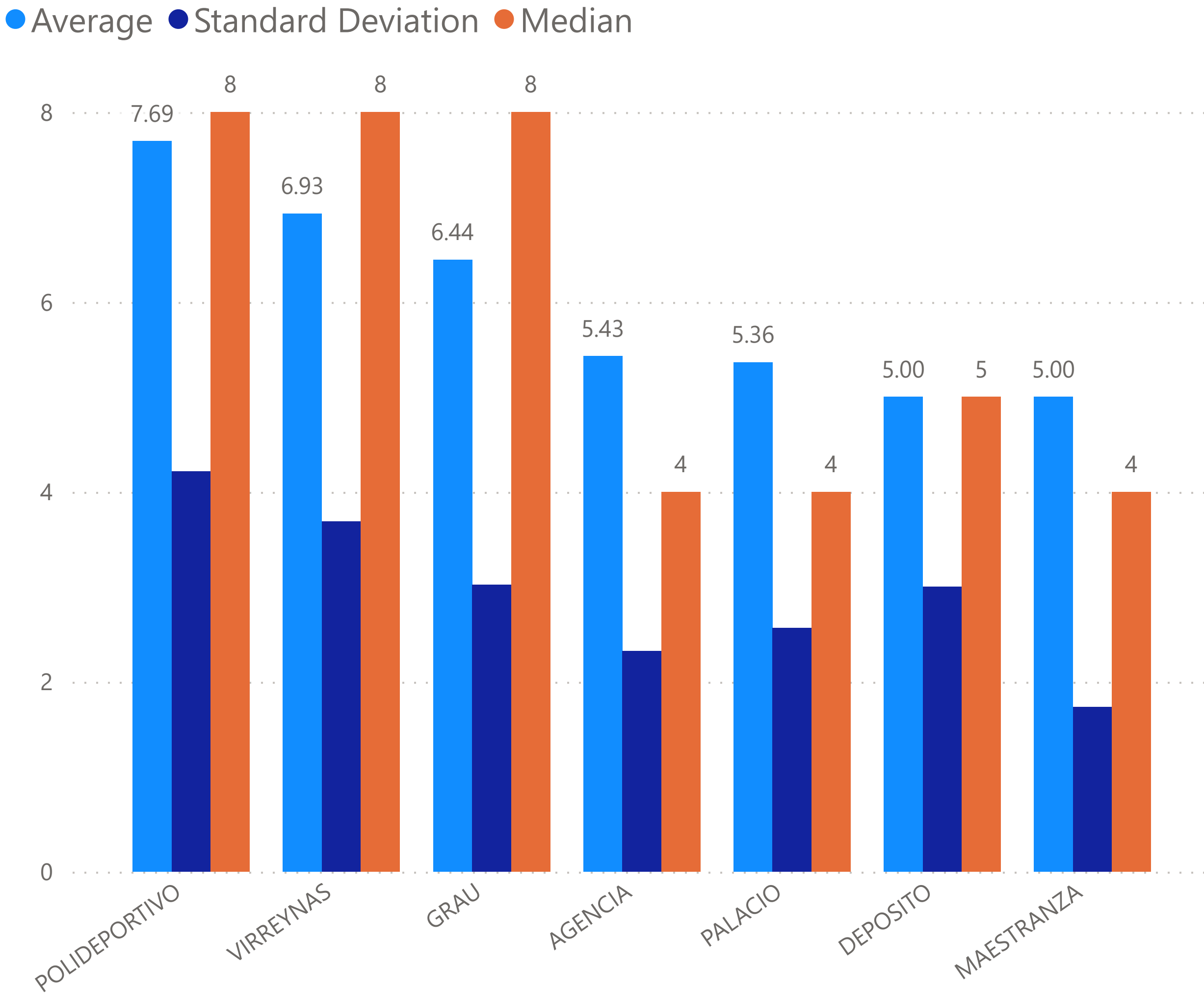
Computing Power Index Breakdown by Local



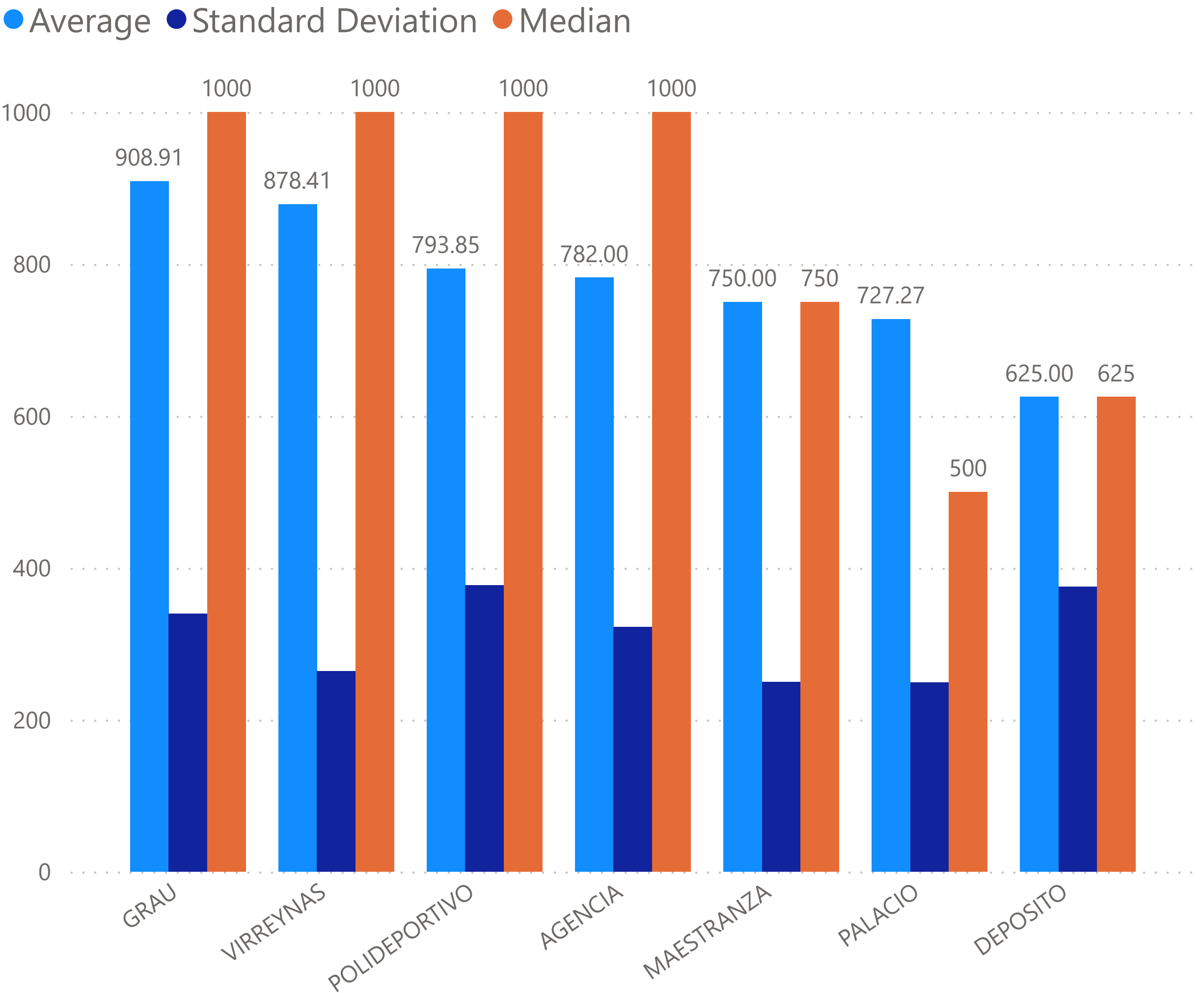
CPU_Model	Computing Power Index	Median Core Count	Base Clock Speed (GHz)	Max Turbo Frequency (GHz)	Item Count
INTEL I7-9700K	34.40	8	3.60	5.00	1
INTEL I7 - 9700	30.80	8	3.00	4.70	2
INTEL I7-9700	28.33	8	3.00	4.08	11
INTEL I5-8600	22.20	6	3.10	4.30	4
INTEL I5-10400	21.60	6	2.90	4.30	4
Total	14.95	4	3.21	3.51	195

Memory Breakdown of Computing Inventory within Lurin Municipality

RAM Memory Breakdown by Local (GB)



Available Secondary Storage Breakdown by Local (GB)



Overview of 199 Educational Institutions of the District Municipality of Lurin, Peru

(Date: June 06 2023)

Total No. of Classrooms

1246

Total No. of Teachers

1387

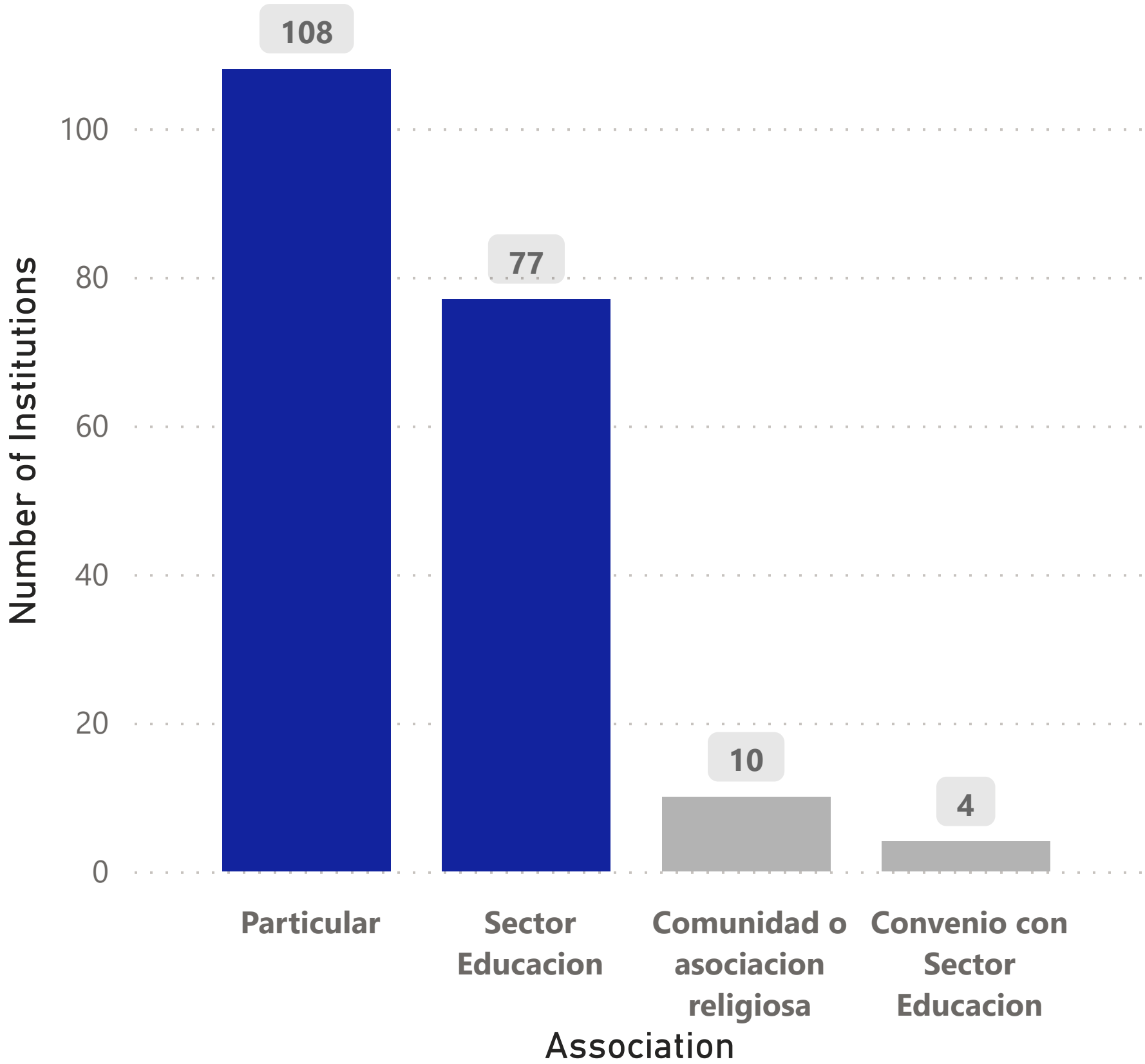
Total No. of Students

26386

Student Teacher Ratio

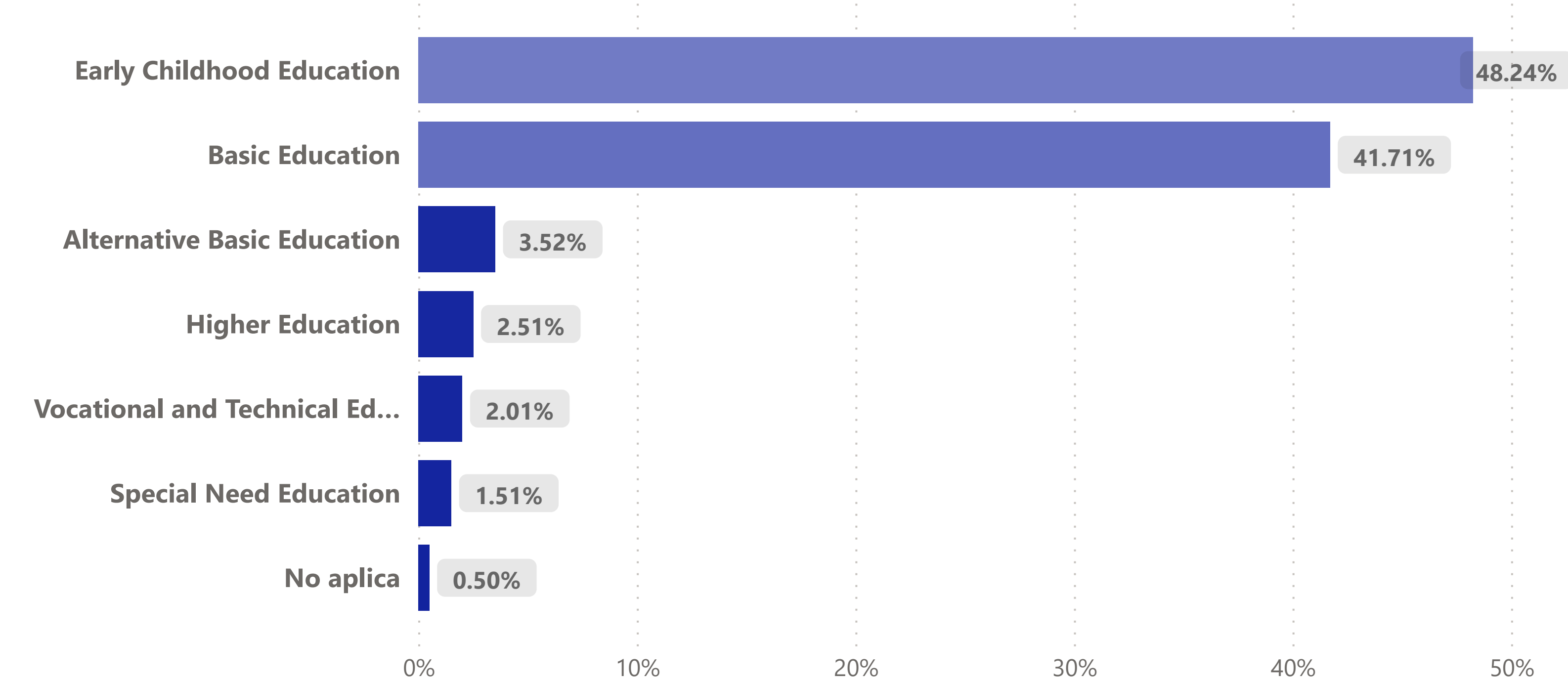
19.02

Most educational institutions in Lurin are private



There is an opportunity to improve access to higher level education for Lurin residents

Higher Education, Vocational Training, and Special Need Combined Constitute Approximately 6% of all educational institutes

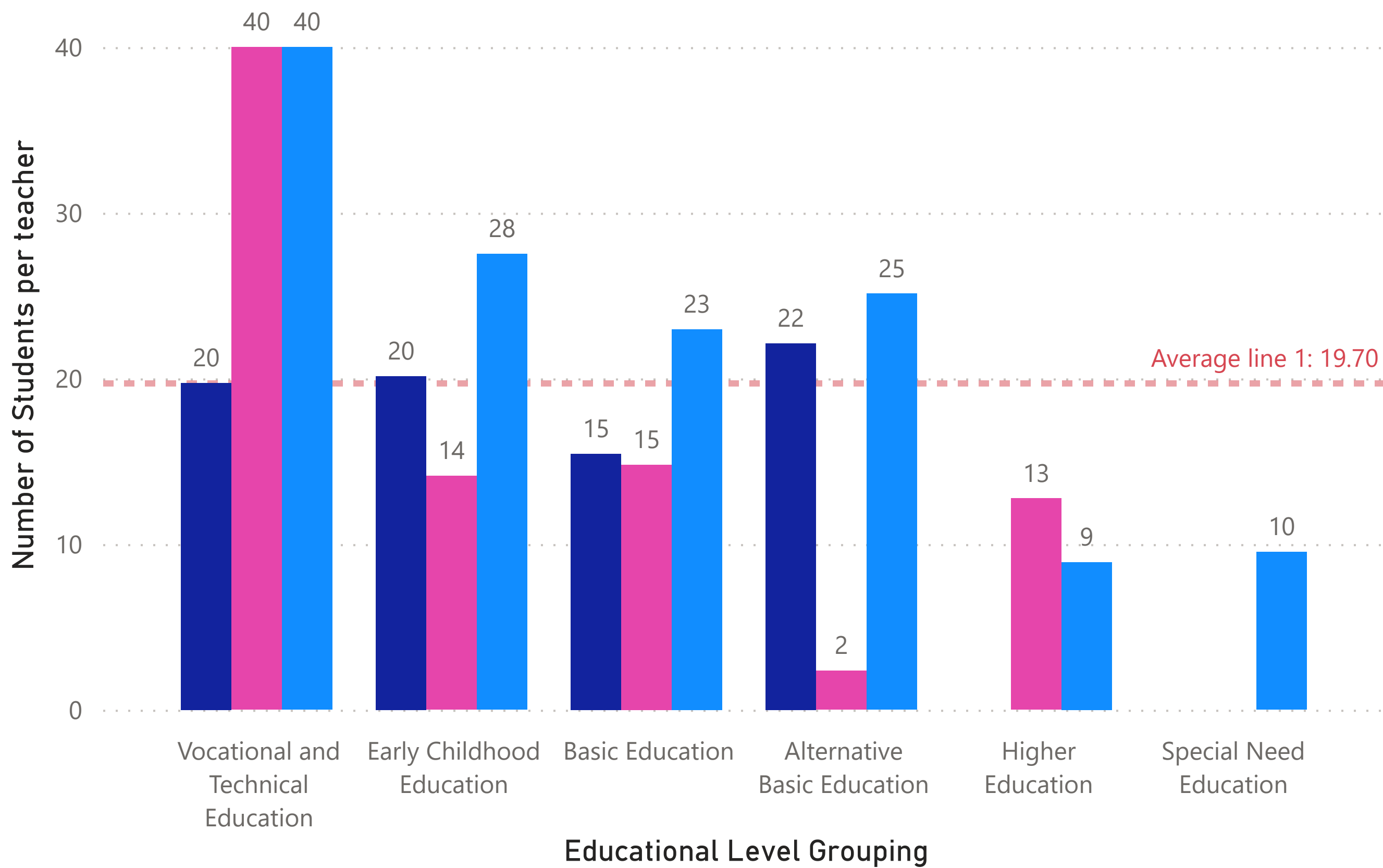


Student Teacher Analytics on 199 Educational Institutions of the District Municipality of Lurin, Peru (Date: June 06 2023)

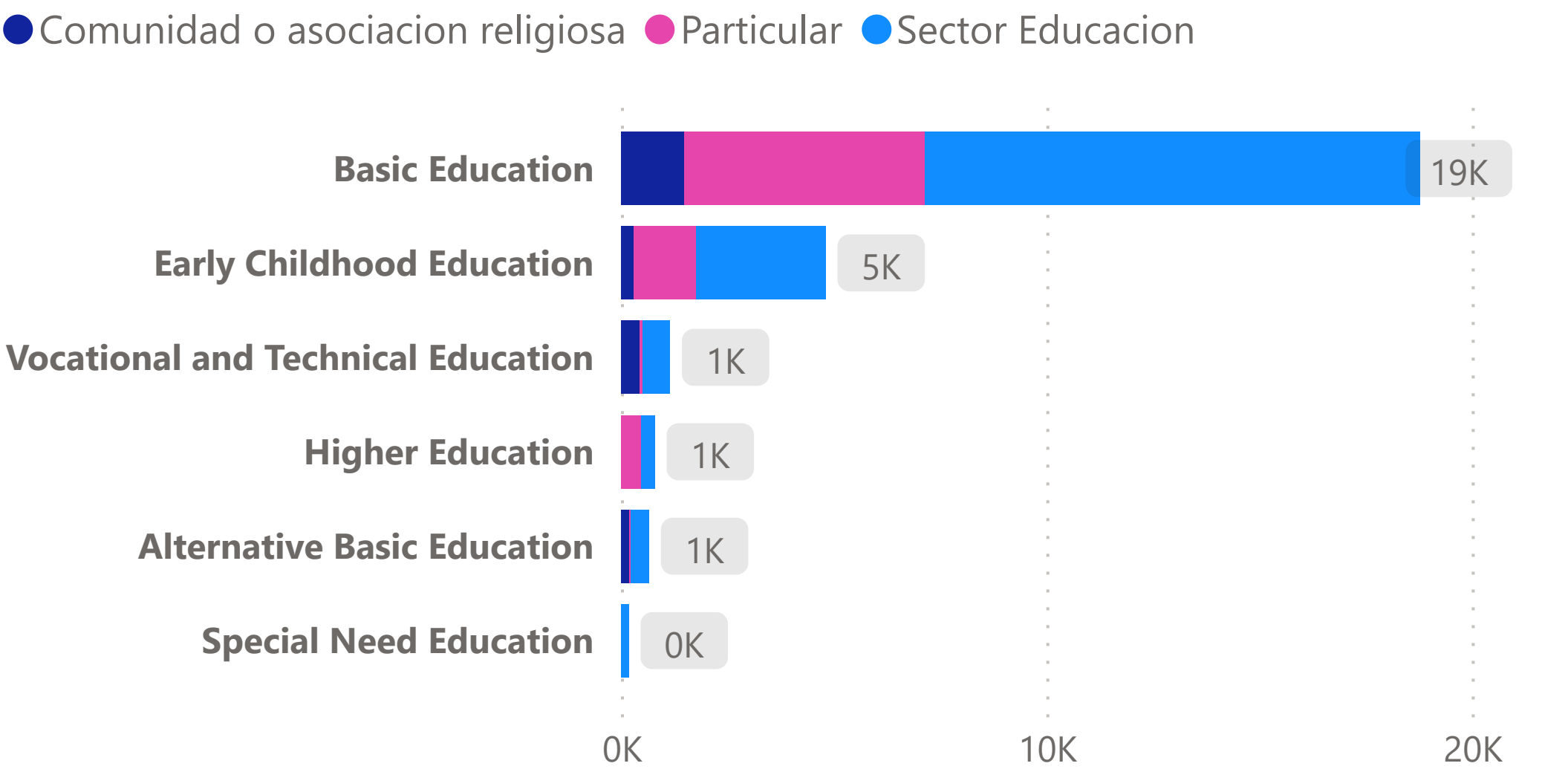
Vocational School Challenge: Student to Teacher Ratio Doubled the Average in both Public & Private Schools

Number of students per teacher in public system is almost always the highest across all education levels and only public schools offer special need education

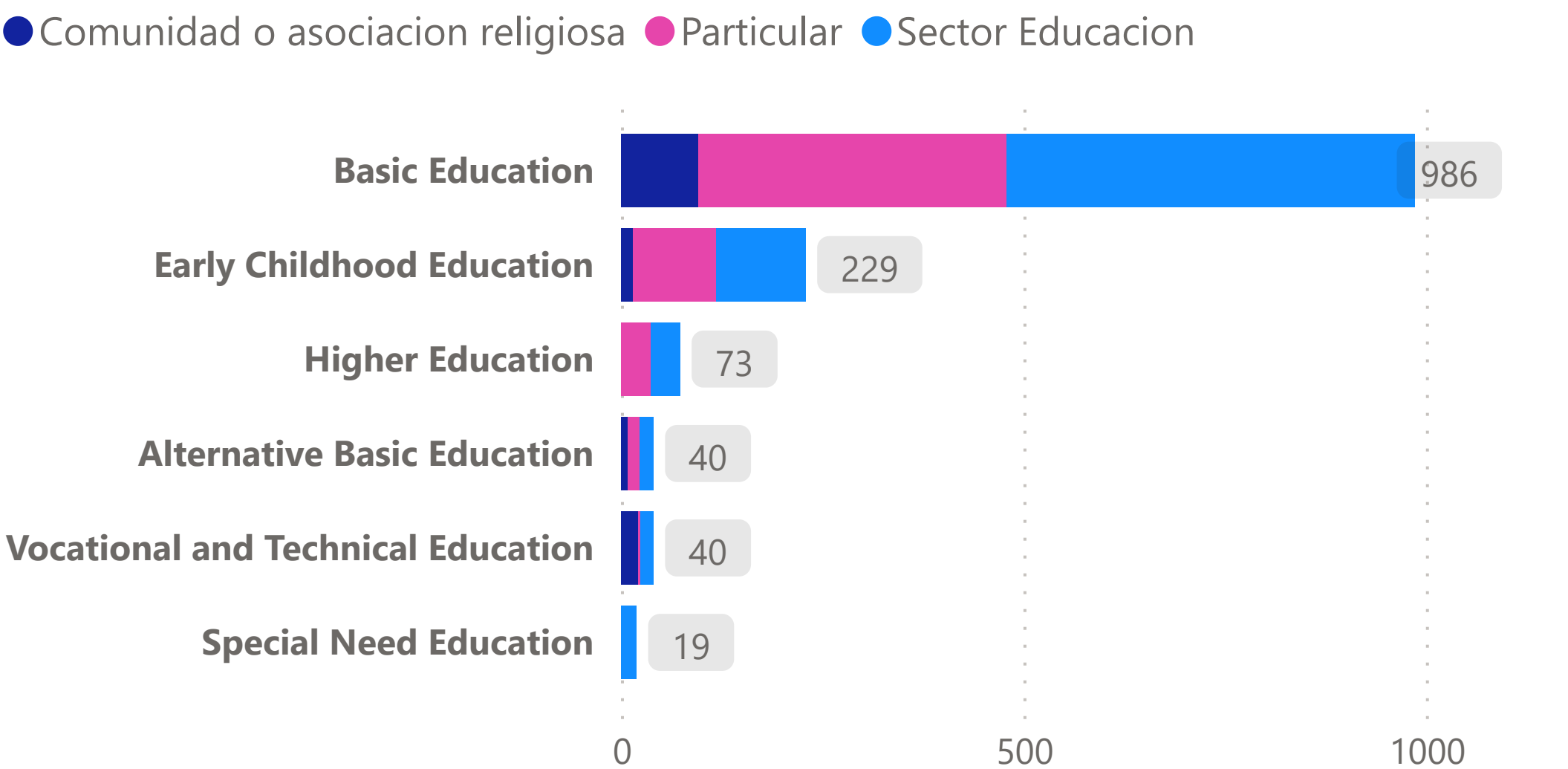
Association ● Comunidad o asociacion religiosa ● Particular ● Sector Educacion



No of Students Across All Educational Levels By School Type



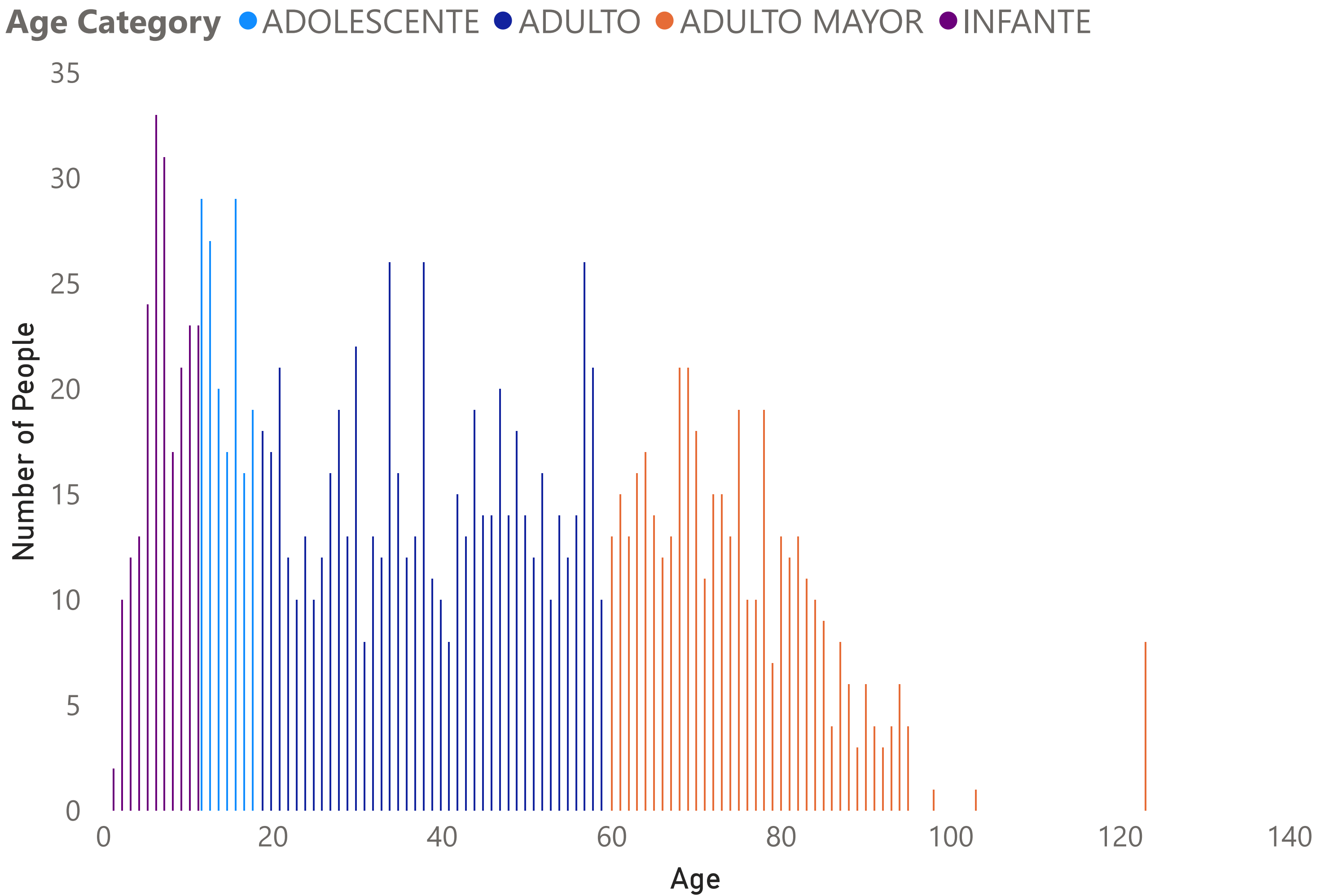
Number of Teachers Across All Education Levels By School Type



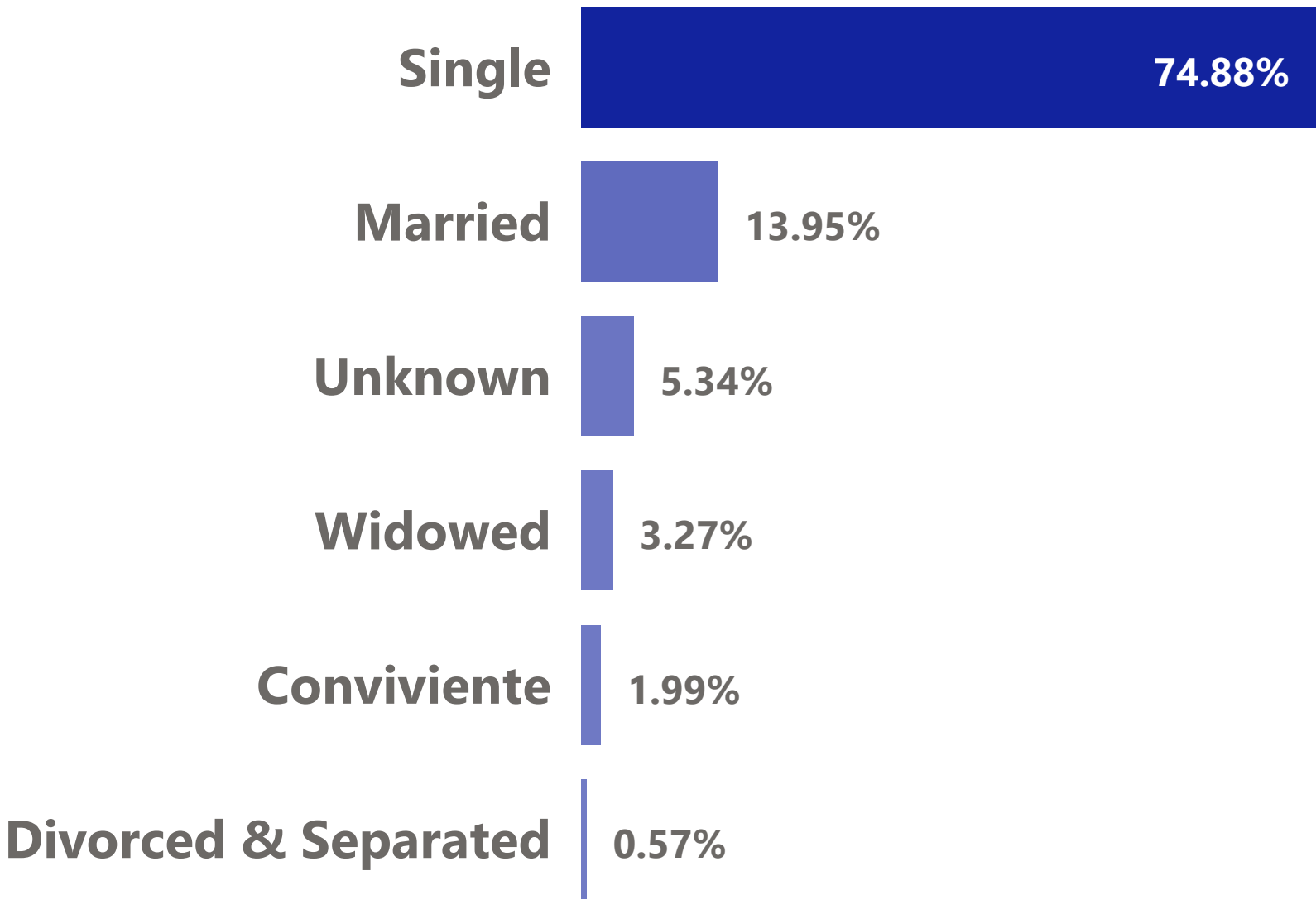
Demographics of 1405 disable people living in the District Municipality of Lurin, Peru (Date: June 07 2023)

43.7% and 29.82% of disabled people are adults and seniors respectively

Mostly notably children at age six alone makes up 2.35% of the total



Marital Status

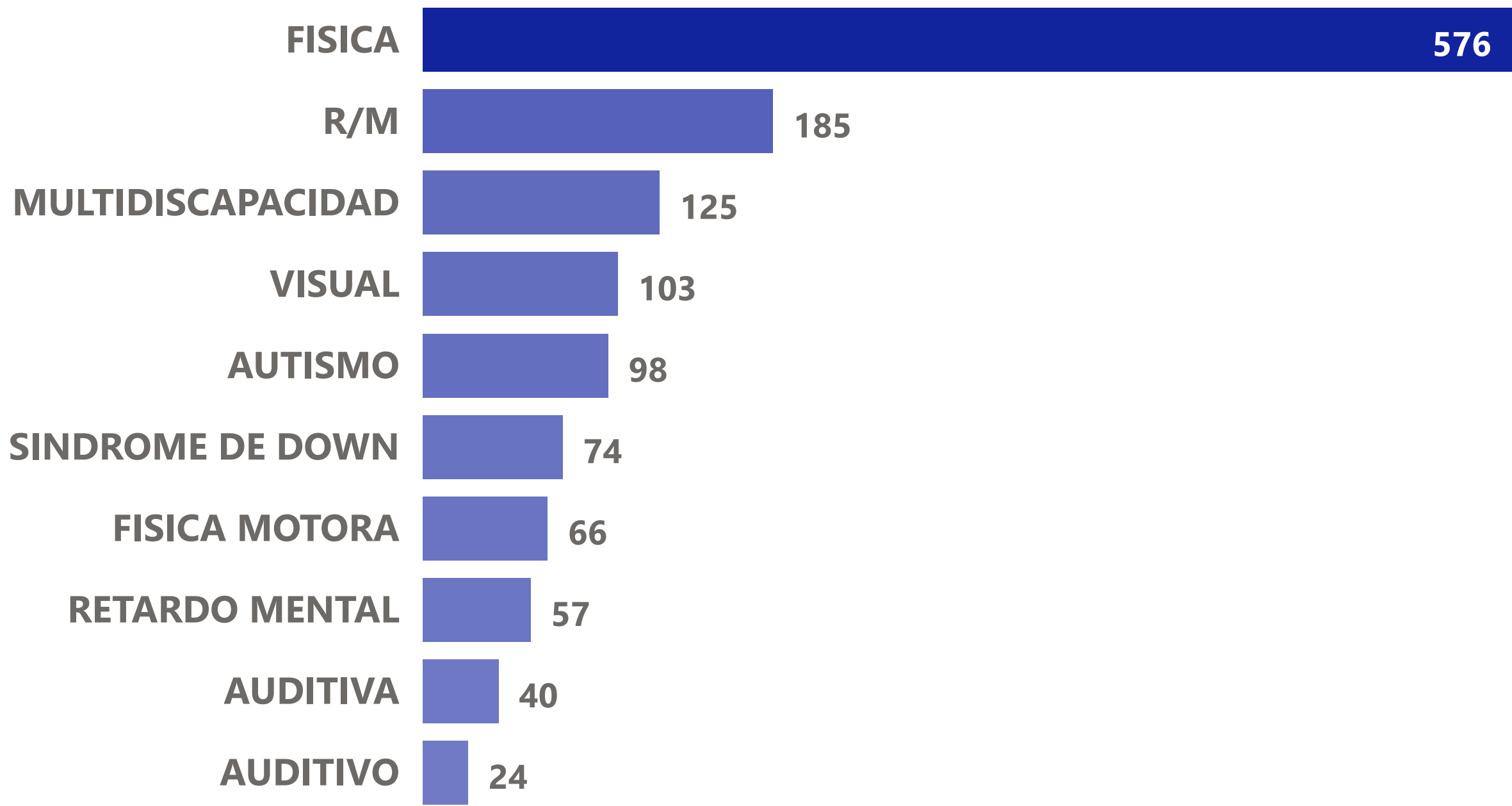


SEXO



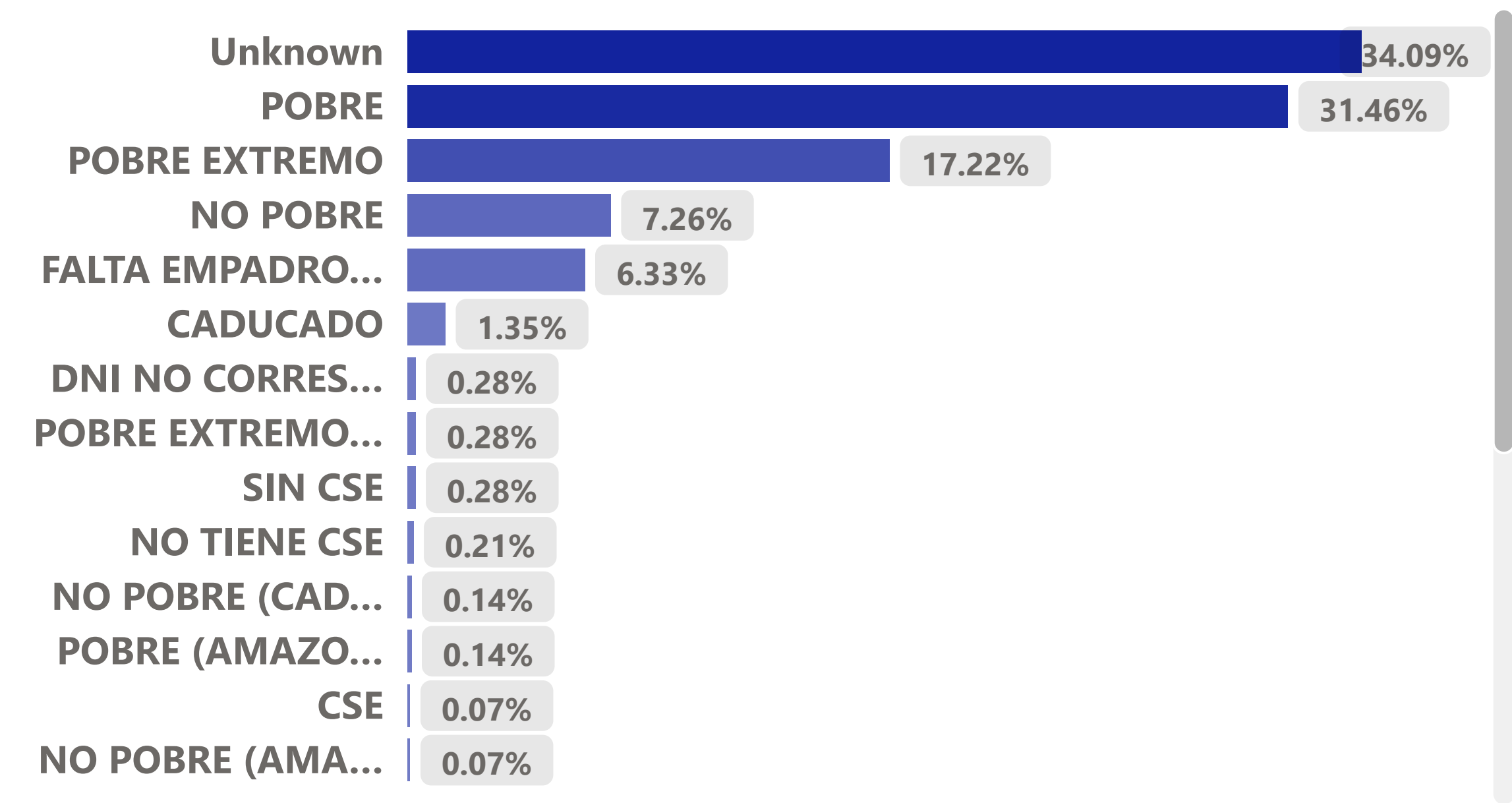
Analysis of Disabled Population in the District Municipality of Lurin, Peru (Date: June 07 2023)

Top 10 types of disability accounting for more than 96% of all disabilities



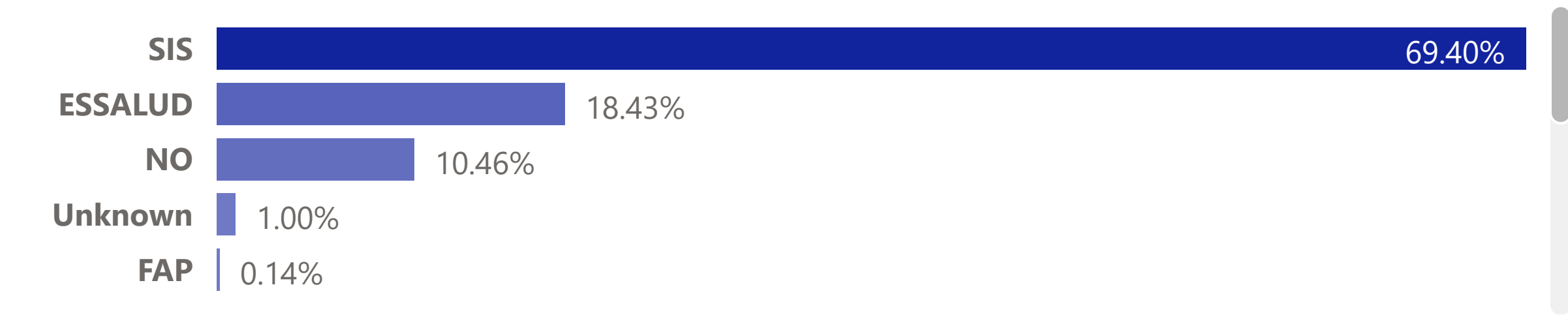
Socioeconomic Classification

50% of the disabled people are poor or extremely poor

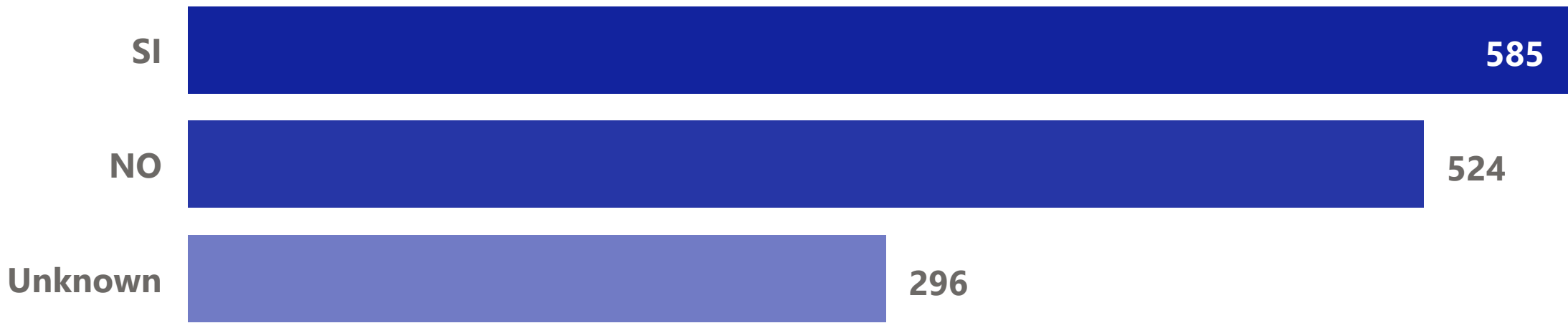


Insurance

10% do not have any insurance



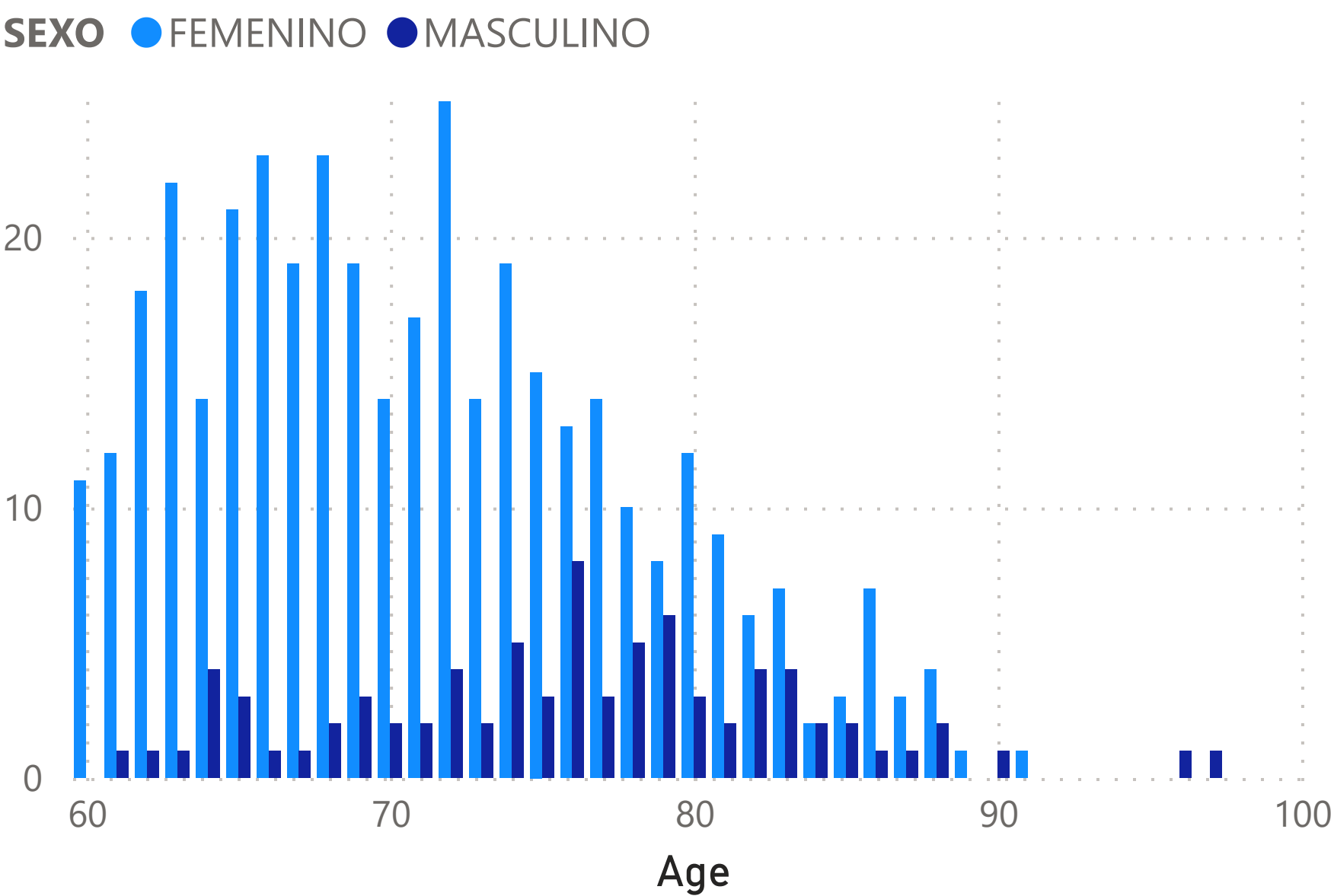
Certification



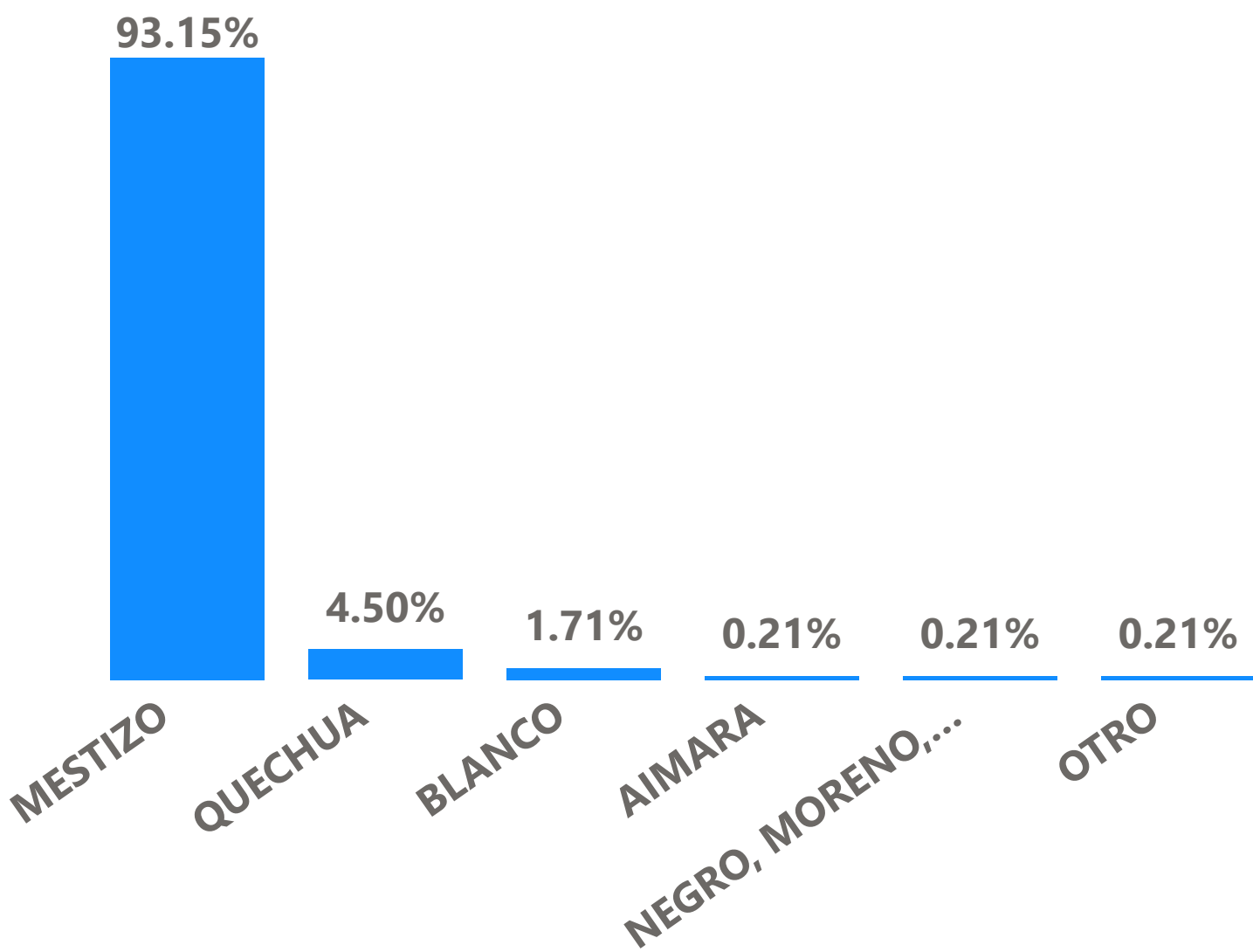
Demographic & Facts about 467 elderly people living in the District Municipality of Lurin, Peru

(Date: June 07 2023)

Age Distribution



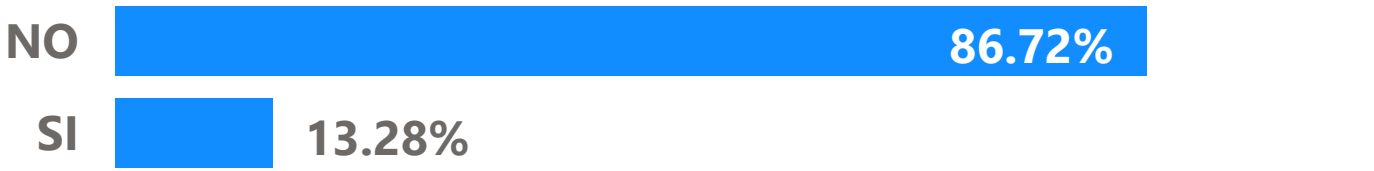
Ethnicity



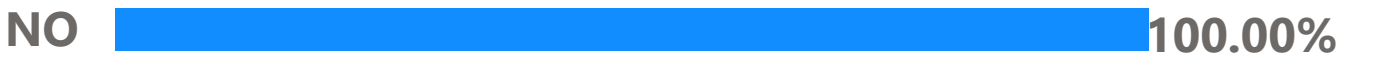
Average Number_of_Children

4.44

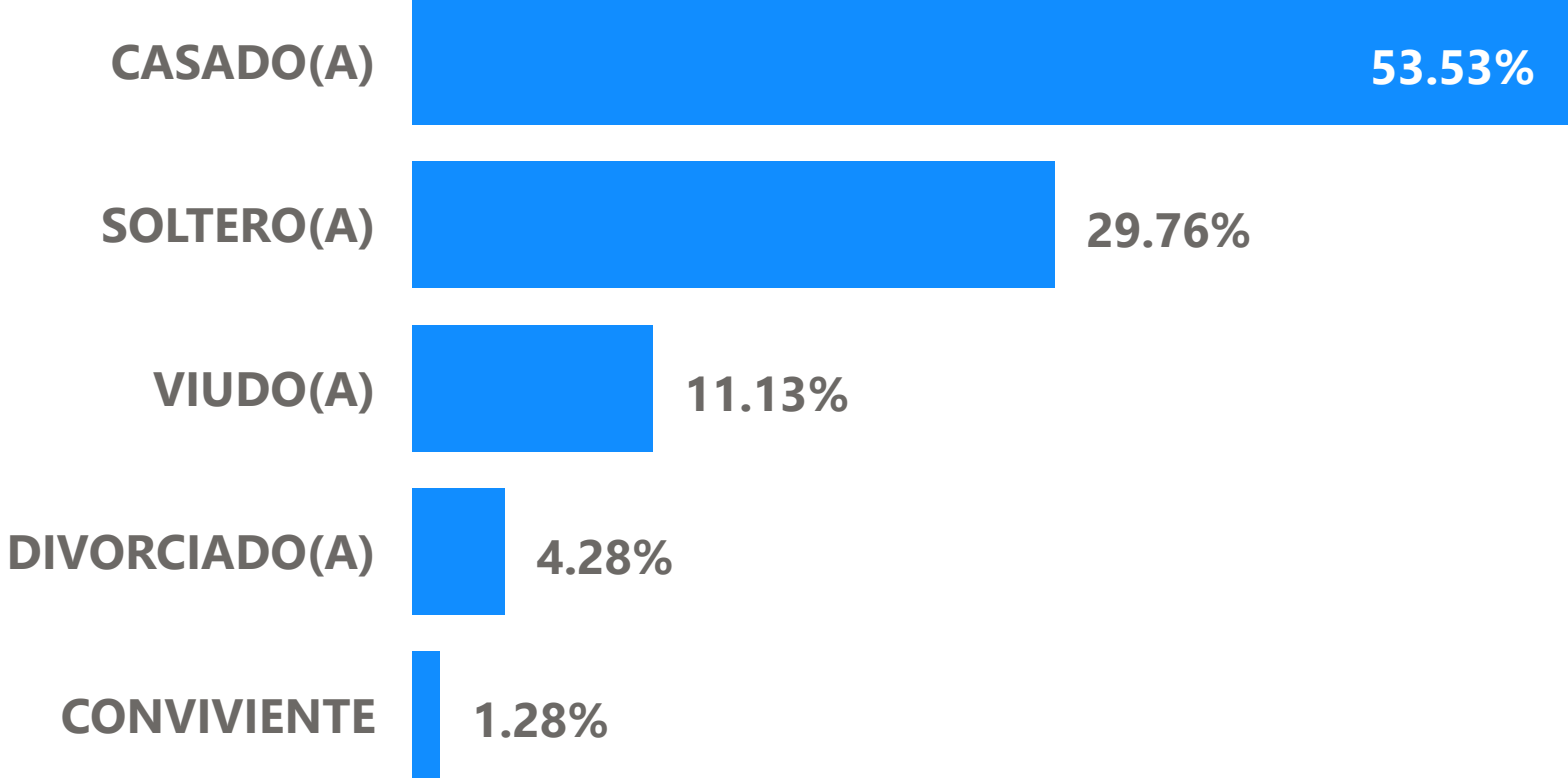
Employment Status



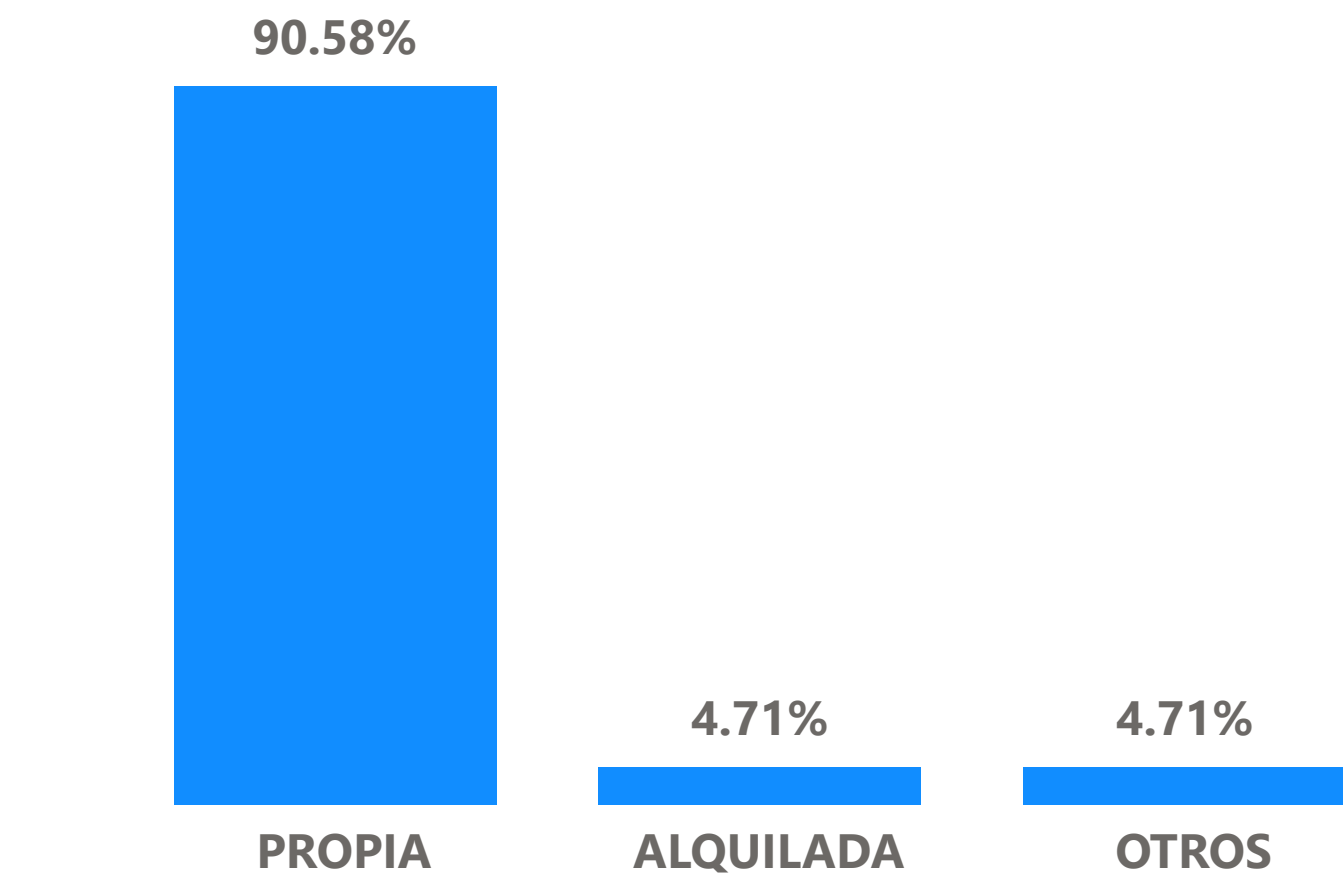
Conadis Card



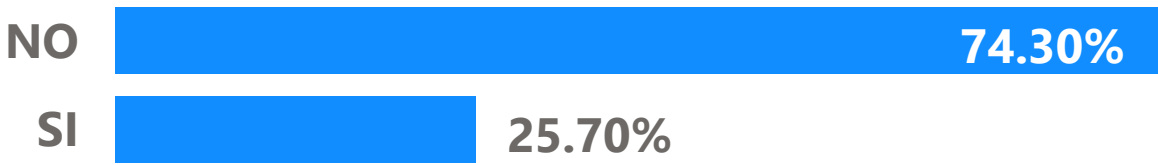
Marital Status



Original Dwelling



SISFOH Beneficiary



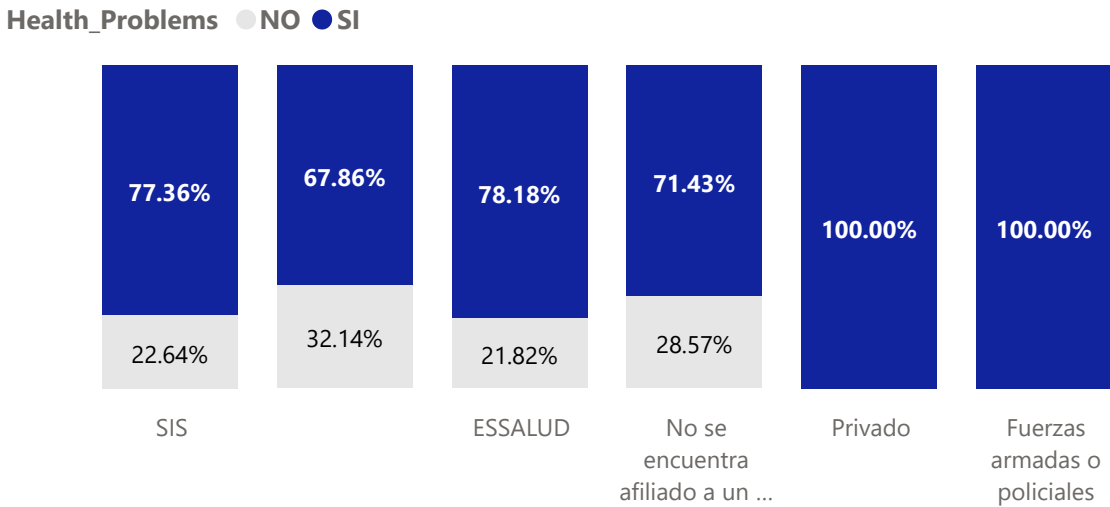
Service Affiliation



Health Analysis of 467 elderly people living in the District Municipality of Lurin, Peru (Date: June 07 2023)

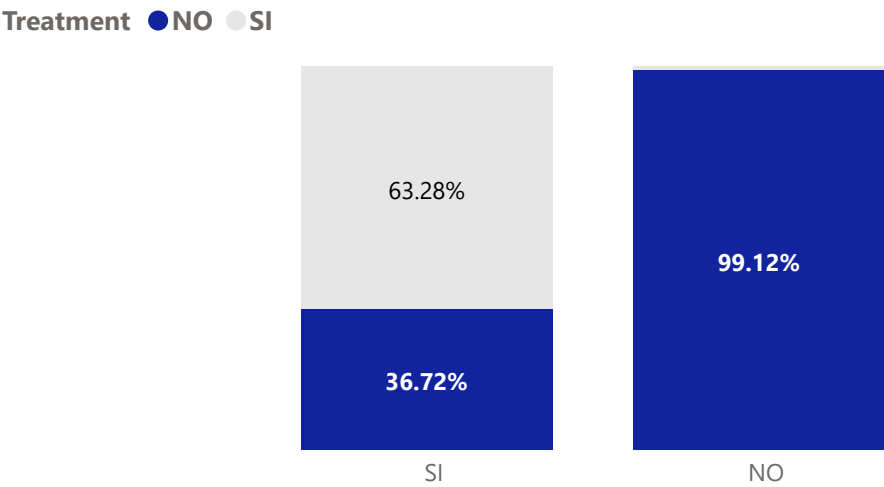
Health Insurance Status

Elderly without health insurance and have health issues need attention

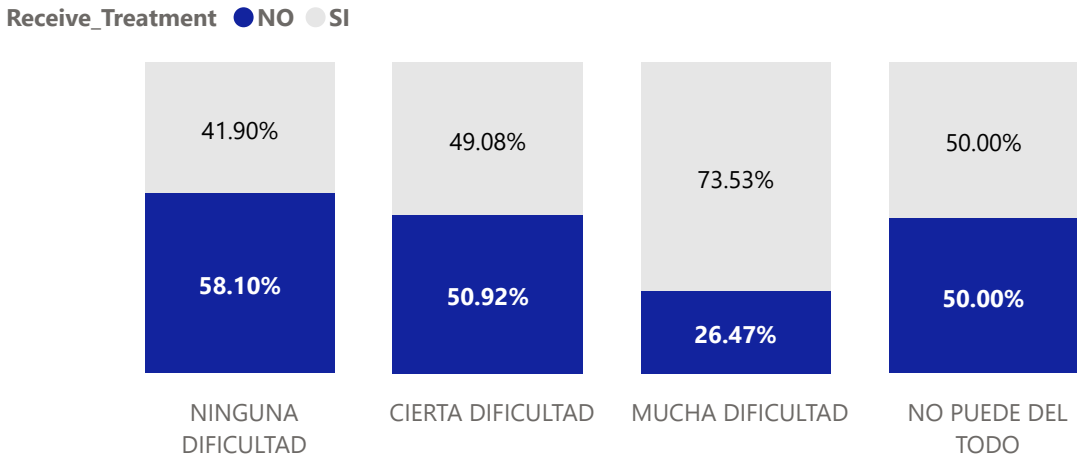


Health Problem Status

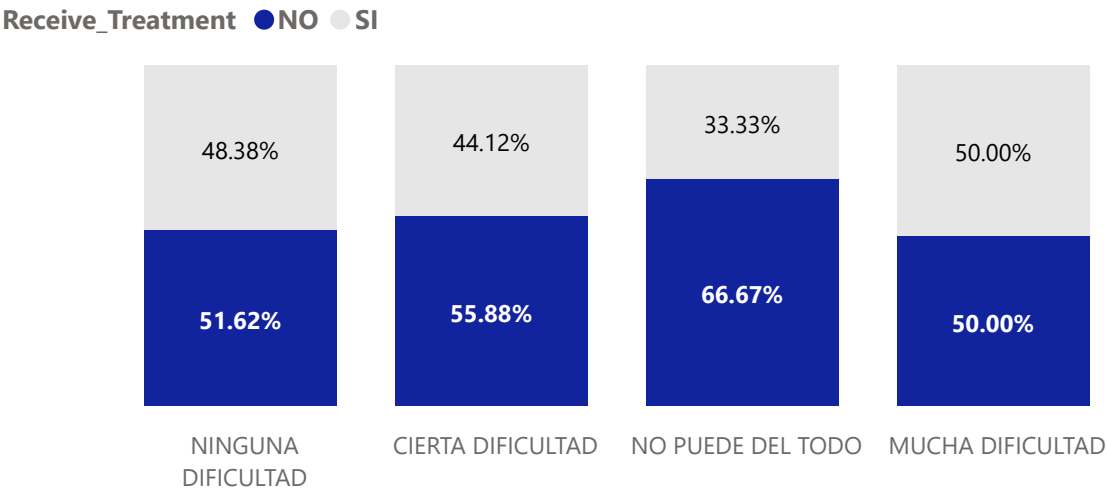
Almost 37% of elderly with health problems aren't receiving treatment



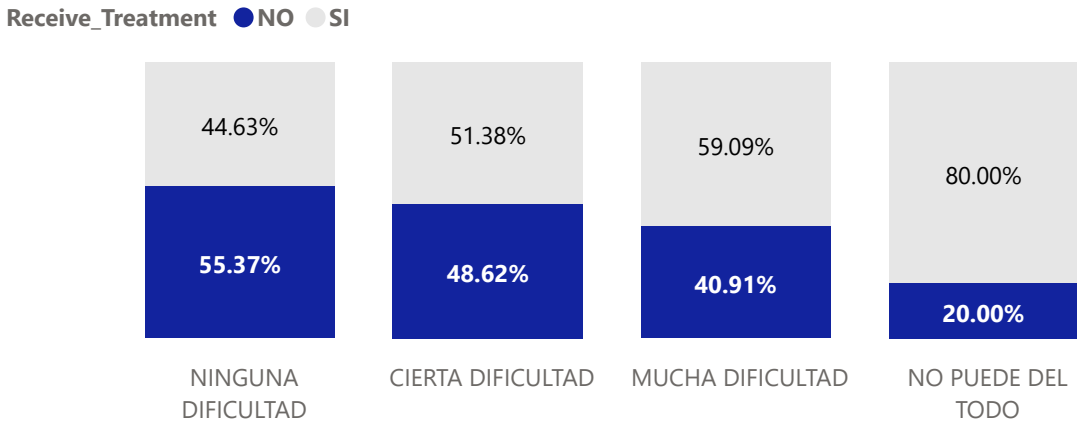
Mobility Disability



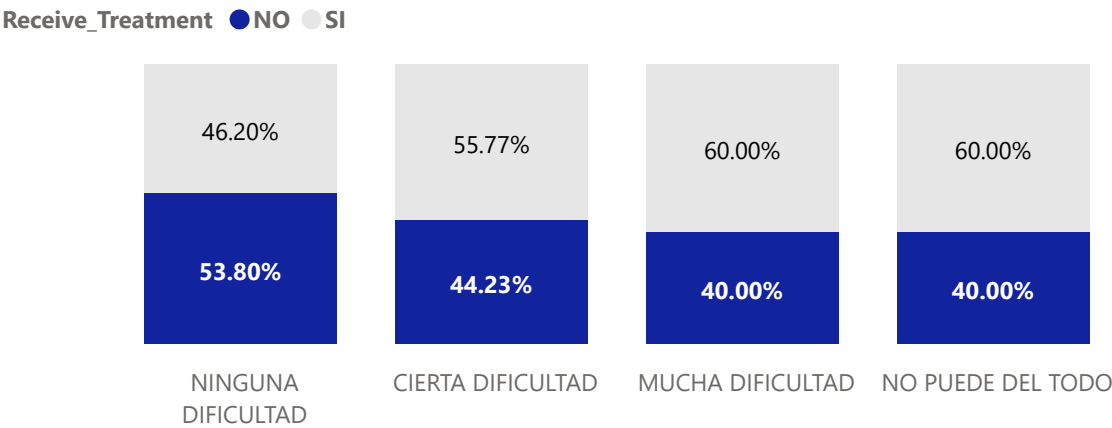
Speech Disability



Hearing Difficulty



Memory Disability



Self-Care Disability

