

Mass Gathering surveillance system - a new approach

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Mass Gatherings

- Pubmed
 - Mass Gatherings 327 (182 last 5 years)
 - Influenza 86.917 (25.376 last 5 years)
- Epidemic Surveillance
 - Need for tools (multiple sources and users)
 - Fast analysis and reporting
 - Team

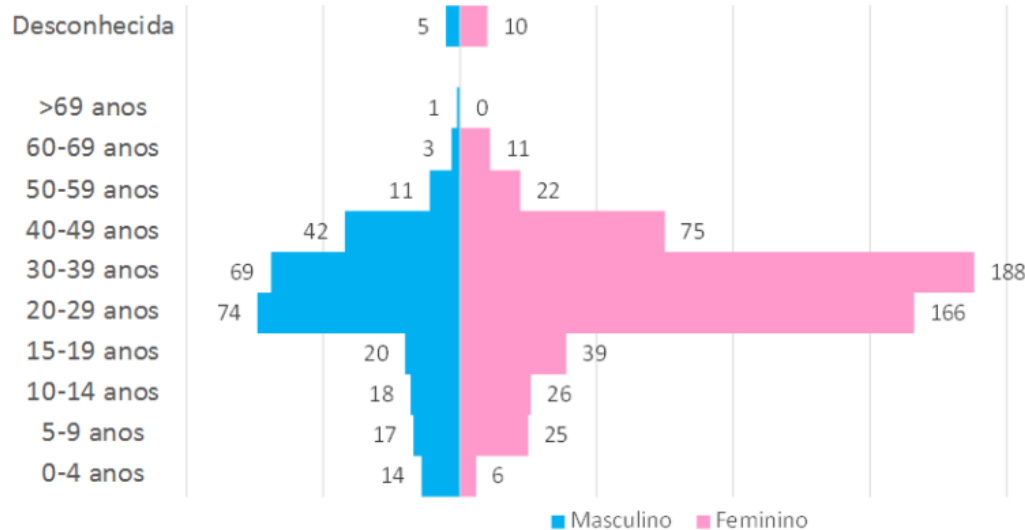


Data collection and reporting tool

The screenshot shows the REDCap interface for a project named 'SVIG Andanças'. It displays a data entry form for a questionnaire with fields for Participant ID, Local, Data, Nome, Data de nascimento, Sexo, Nacionalidade, Cidade de Residência, Telemóvel, and Chegada ao Andanças. A bar chart on the right shows the number of participants from various countries: Portugal (444), Espanha (233), Europa (46), América (12), Ásia (60), África (17), and Oceania (12).

	Dom 2	Seg 3	Ter 4	Qua 5	Qui 6	Sex 7	Sab 8	Dom 9	Seg 10
00/01h	0	2	5	6	3	4	5	8	0
01/02h	0	0	3	0	4	4	5	11	2
02/03h	0	0	3	13	1	2	2	3	0
03/04h	0	0	1	2	1	2	3	2	1
04/05h	1	0	2	0	0	1	1	0	0
05/06h	0	0	0	0	0	0	1	1	0
				1	0	1	0	0	0
				0	0	0	0	1	0
				0	0	0	2	0	0
				0	4	3	5	5	0
				7	14	6	10	7	0
				8	15	11	8	7	0
				21	16	12	17	7	0
				15	11	6	13	7	0
				10	10	17	11	9	0

Diagnosis	n	%
Wounds	474	46.3
Osteoarticular	144	14.1
Gastrointestinal	62	6.0
Respiratory	61	6.0
Neurology	51	5.0
Dermatology	48	4.7
Oftalmology	30	2.9
Insect bites	27	2.7
Genitourinary	19	1.9
Cardiovascular	10	1.0
ORL	4	0.4
Chronic disease	4	0.4
Fever	2	0.2
Unknown	7	0.7
Others	81	7.9
Total	1024	100%



Opportunities

- EPR
- New sources of data
- Web / App
 - Participatory
 - Dissemination of info
- Partner engagement
- Early detection

Challenges

- Certification
 - Data protection
- Interoperability
- Offline
- GIS
- Content analysis
 - Social media
- Toolkit

Epidemiological Surveillance Systems

- At mass gatherings
 - Adequate tool to monitor health status
 - Enables early detection of outbreaks.
- epidemiological surveillance system tool
 - Ready to deploy
 - Implementation in different settings.