



Data analytics And visualization

PRESENTER

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CSIR

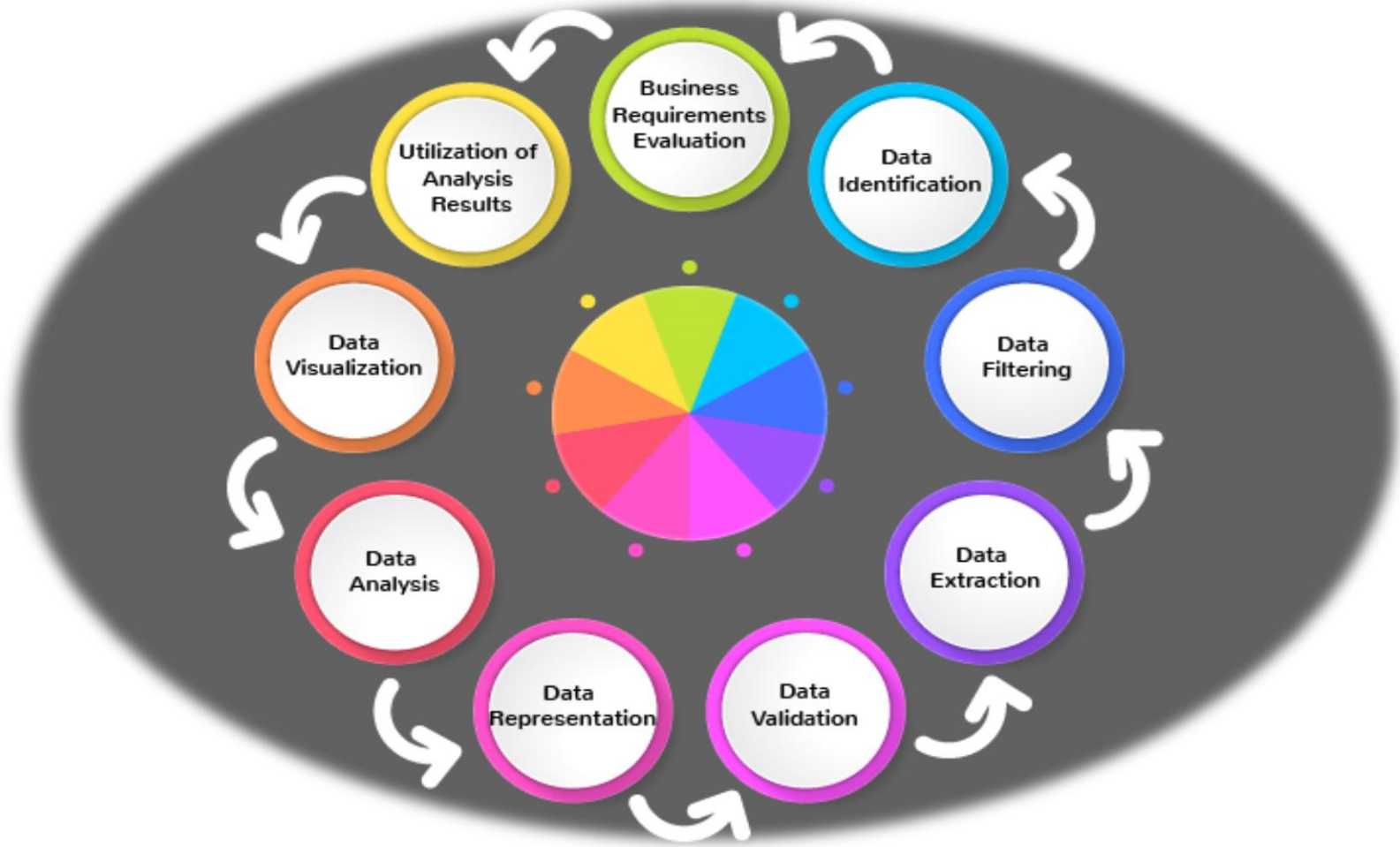
Date: 2021/02/11



**NATIONAL INSTITUTE FOR
COMMUNICABLE DISEASES**

Division of the National Health Laboratory Service

Data Analytics Process



Business Registration Analysis



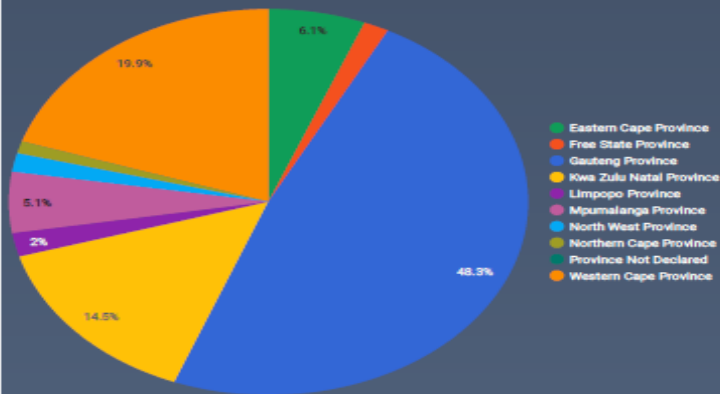
Business Registrations- Province

Registered Businesses	Sectors	Total Employees	Female Employees	Male Employees	Managers	Professionals	Skilled	Elementary	Technicians	Clerical	Service	Plant Machine
2,747	152	1,681,645	829,829	851,816	121,820	198,981	128,706	337,373	174,940	273,006	289,068	157,751
			% Female Employees	% Male Employees	% Manager	% Professionals	% Skilled	% Elementary	% Technicians	% Clerical	% Service	% Plant Machine
			49.35%	50.65%	7.24%	11.83%	7.65%	20.06%	10.40%	16.23%	17.19%	9.38%

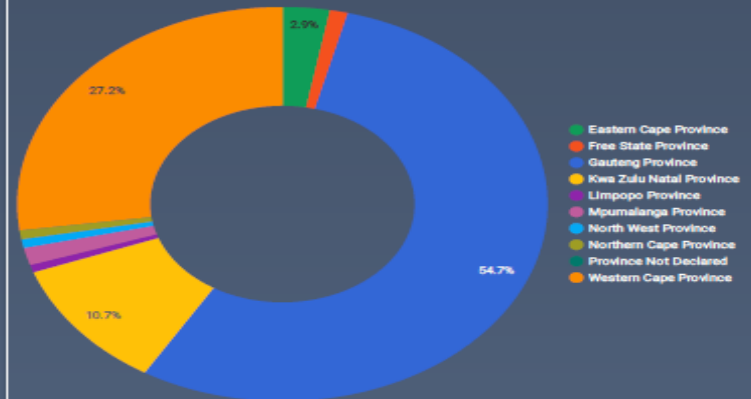
Business Registration Statistics Per Province

Province	Number of Businesses	Business ID	Employees	Female Employees	% Female	Male Employees	% Male
1. Eastern Cape Province	161	165	48,549	19,093	40.56%	28,855	59.44%
2. Free State Province	64	64	18,442	8,988	32.45%	12,487	67.55%
3. Gauteng Province	1,210	1,247	919,333	441,511	48.03%	477,822	51.97%
4. Kwa Zulu Natal Province	365	368	179,822	77,182	42.92%	102,640	57.08%
5. Limpopo Province	64	66	10,483	4,129	39.39%	6,354	60.61%
6. Mpumalanga Province	122	127	23,881	8,076	33.82%	15,805	66.18%
7. North West Province	53	53	12,134	5,492	45.26%	6,642	54.74%
8. Northern Cape Province	43	44	12,416	4,377	35.25%	8,039	64.75%
9. Province Not Declared	106	0	null	null	null	null	null
- Western Cape Province	609	613	456,585	240,384	52.64%	193,201	47.36%

Number of Businesses Per Province

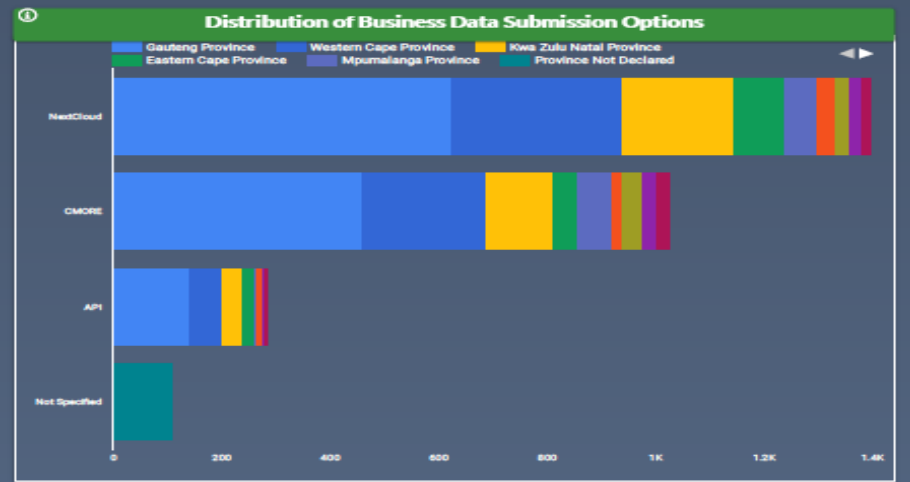
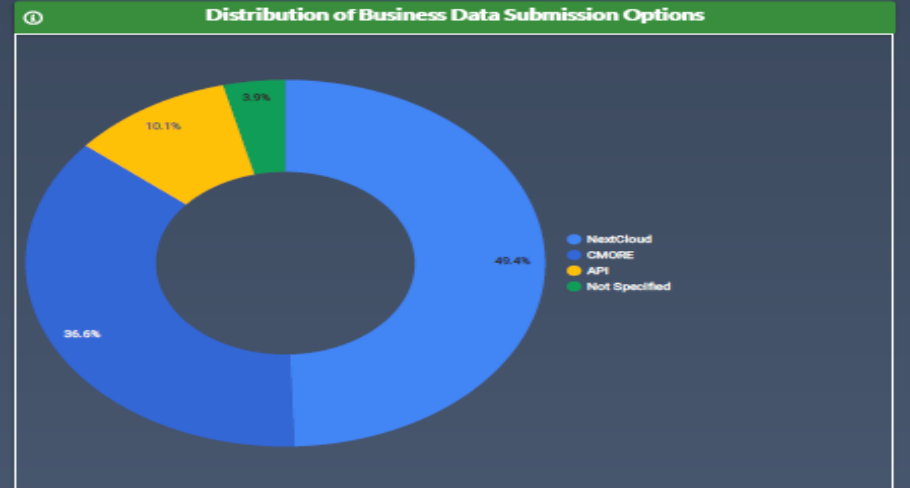
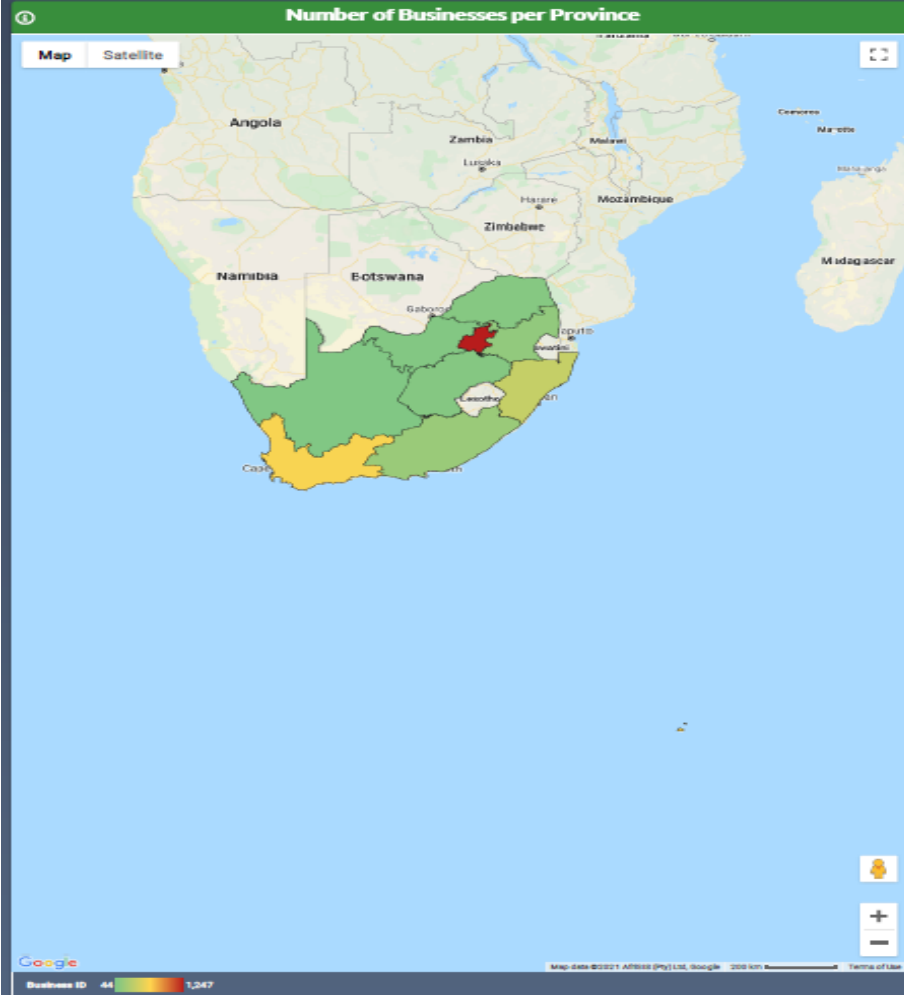


Number of Employees Per Province

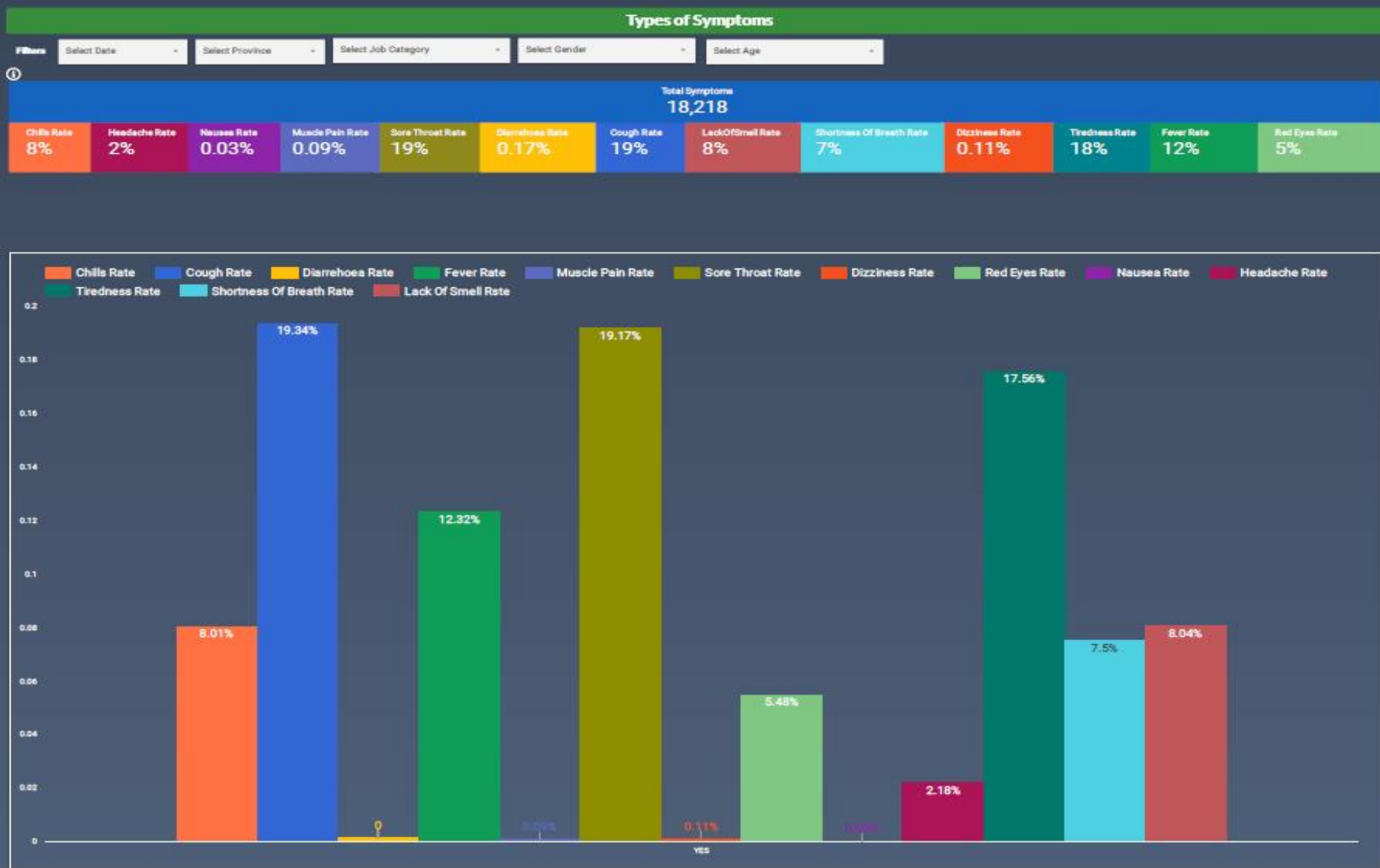


Data Submission Options

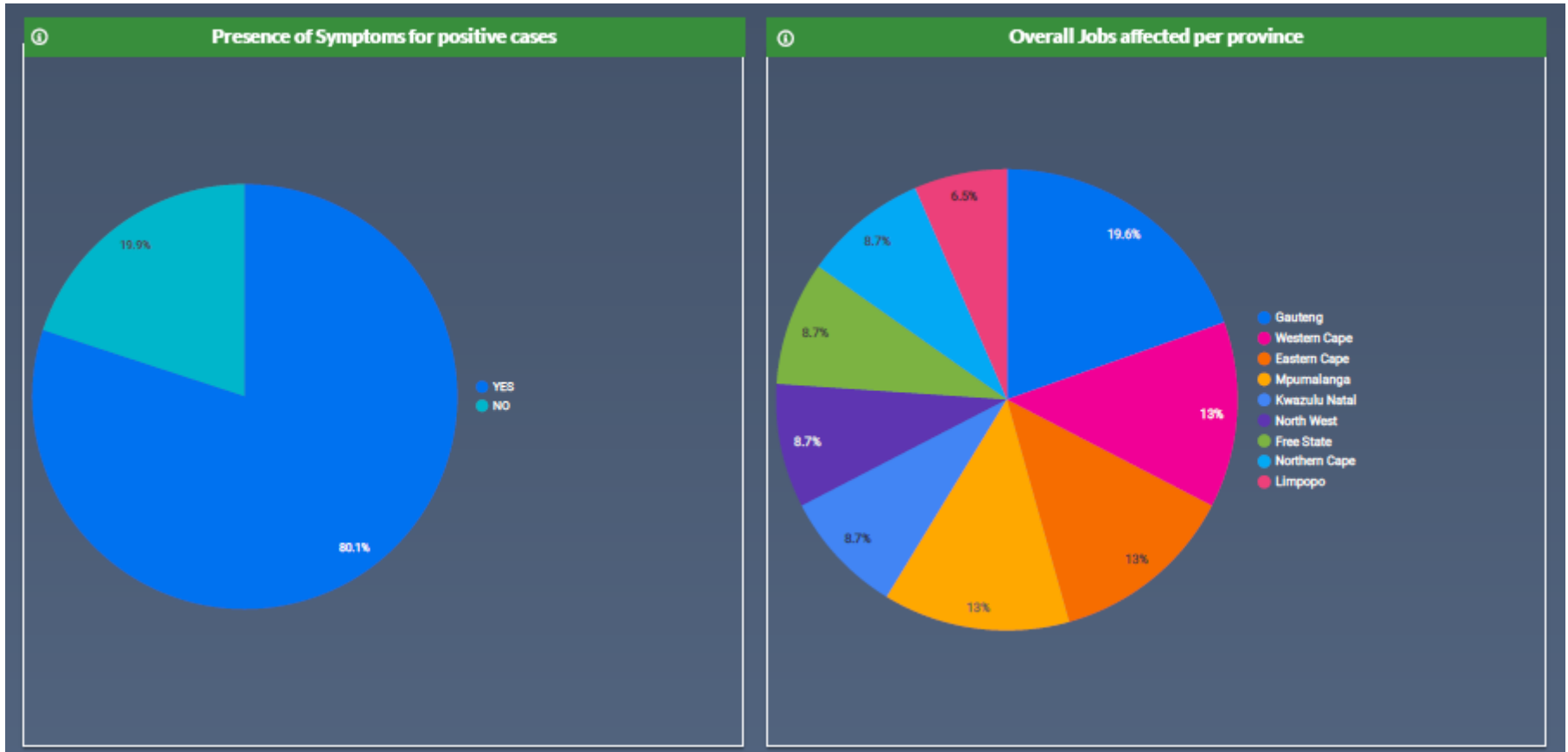
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Symptom Screening Profile (*disclaimer: not all data received could be used)



Positive Cases Profile (*disclaimer: not all data received could be used)

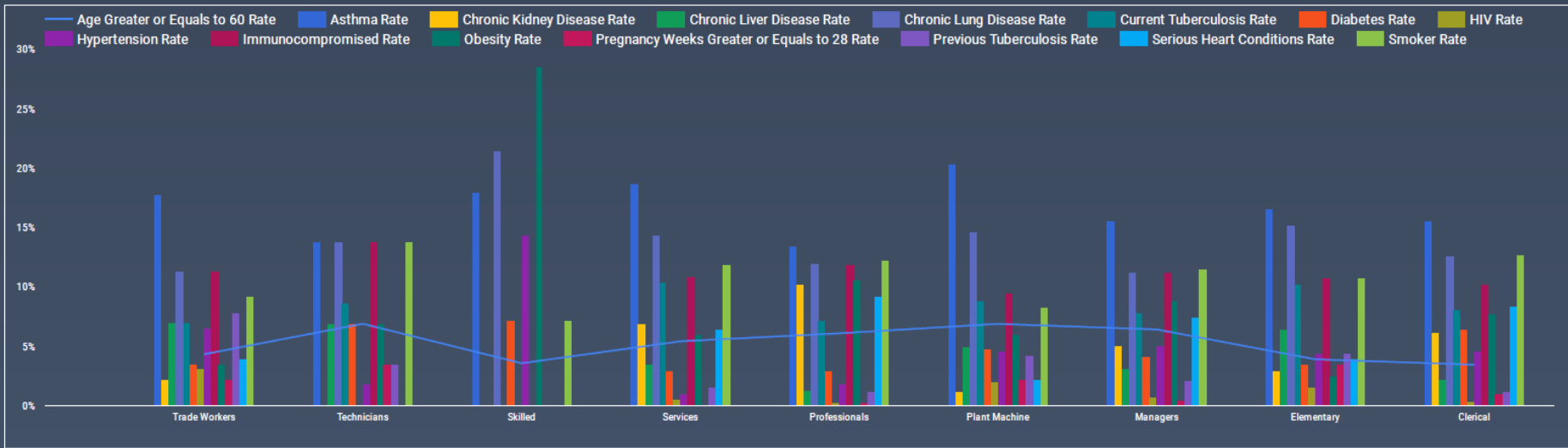


Risk Factors Per Job Category (*disclaimer: not all data received could be used)

Vulnerabilities- Comorbidities and risk

Vulnerable Employees 522	Registered Businesses 2,747	Submitted Businesses 7	Submitted % 0.25%	Male 260	Female 262	Covid Positive Employees 1,867	Positive Employees with Vulnerabilities 27.96%
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Comorbidities/Risk Factors per Job Category



Return to Work (after Hospitalization)

Return to Work-Hospitalised



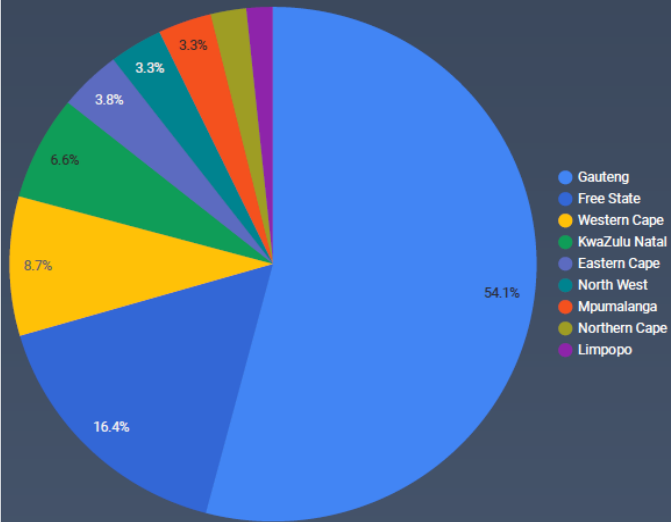
All Employees
991

Hospitalized Employees
183

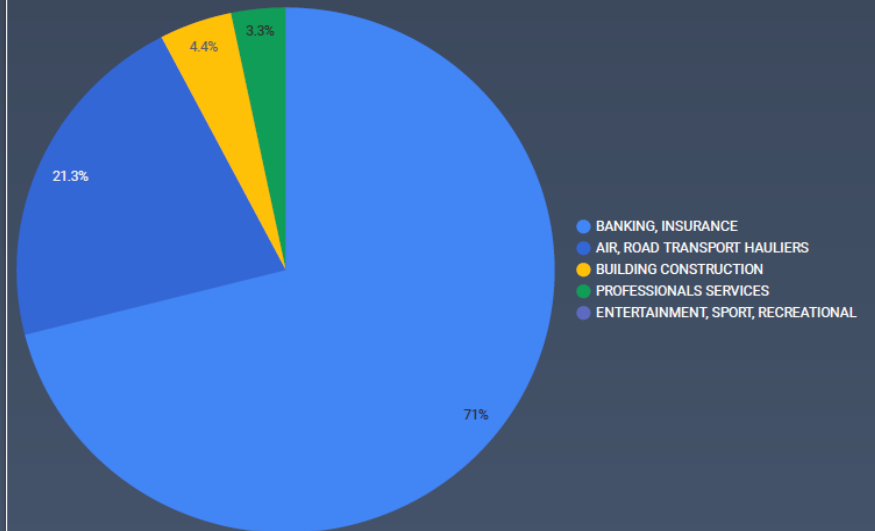
Not Hospitalized
813

Hospitalized Rate
18.47%

Hospitalized Per Province



Hospitalized Per Sector



(*disclaimer: not all companies have submitted this data)



Improving the Data analytics and visualization process



- Submit data in provided templates



- Use Unique BusinessID




- Use relevant submission option



- Do not submit duplicates



- Update risks when they are available



- Submit as per the generalized job profiles



Thank you