

## Appendix 1. Intention-to-treat and per-protocol populations results

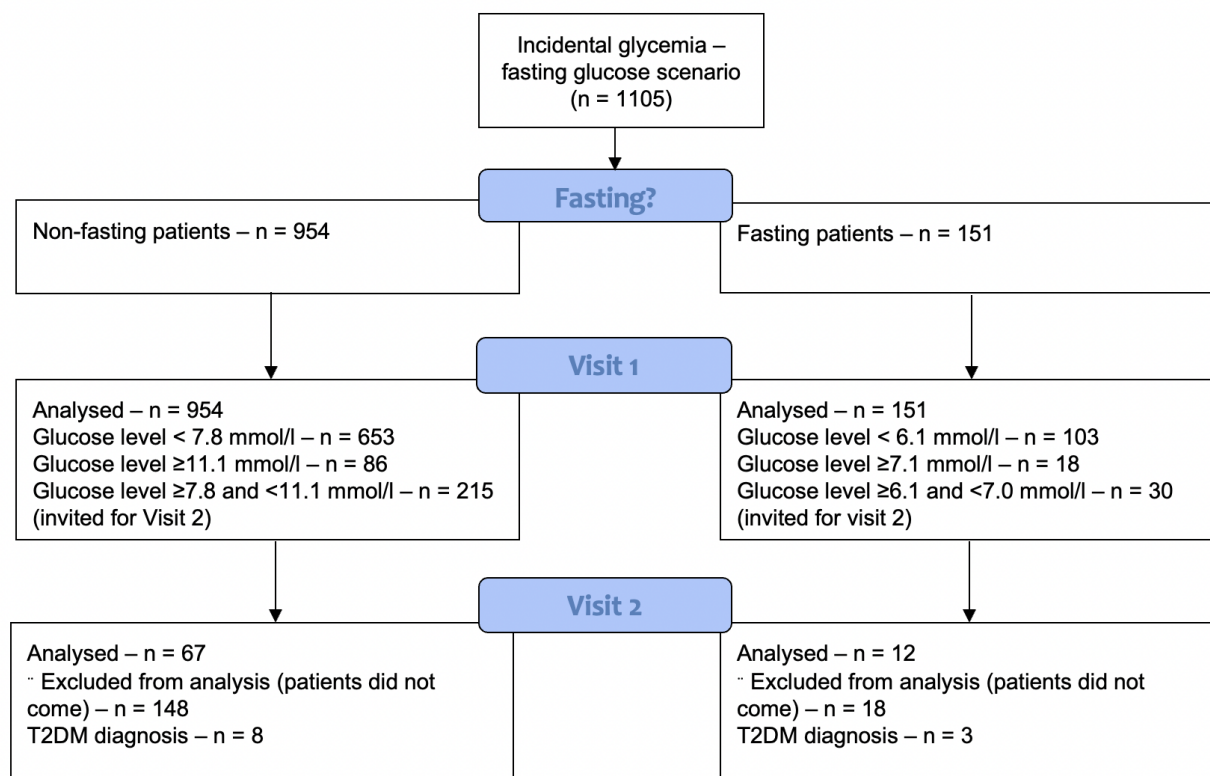
		Intention-to-treat				Per Protocol			
		Criteria				Criteria			
		1		3		1		3	
		N	%	N	%	N	%	N	%
Endpoint GP	Healthy	947	79,0%	768	65,1%	905	79,2%	325	62,0%
	Prediabetes	139	11,6%	226	19,2%	129	11,3%	106	20,2%
	Diabetes	113	<b>9,4%</b>	186	<b>15,8%</b>	109	<b>9,5%</b>	93	<b>17,7%</b>
	Total	1199	100,0%	1180	100,0%	1143	100,0%	524	100,0%
Endpoint Endocrinologist	Healthy	919	76,3%	781	64,3%	877	76,3%	328	60,7%
	Prediabetes	174	14,4%	241	19,8%	166	14,4%	116	21,5%
	Diabetes	112	<b>9,3%</b>	193	<b>15,9%</b>	106	<b>9,2%</b>	96	<b>17,8%</b>
	Total	1205	100,0%	1215	100,0%	1149	100,0%	540	100,0%

## Appendix 2. Cost of identifying one patient with T2DM

	Method of screening		Number of eligibility criteria	
	HbA1c	Glucose	3 factors	1 factor
Screened (N)	1,195	1,225	1,215	1,205
Diagnosed T2DM (N)	140	165	193	112
Cost of 1 procedure (UZS)	37,500	5,000	5,000	5,000
Cost of all procedures (UZS)	11,620,000	3,547,500	8,515,000	6,652,500
Cost of identifying 1 patient with T2DM (UZS)	83,000	21,500	44,119	59,397
* Cost of 1 procedure (USD)	4.46	0.59	0.59	0.59
* Cost of all procedures (USD)	1,381	422	1,012	791
* Cost of identifying 1 patient with T2DM (USD)	9.86	2.55	5.24	7.06

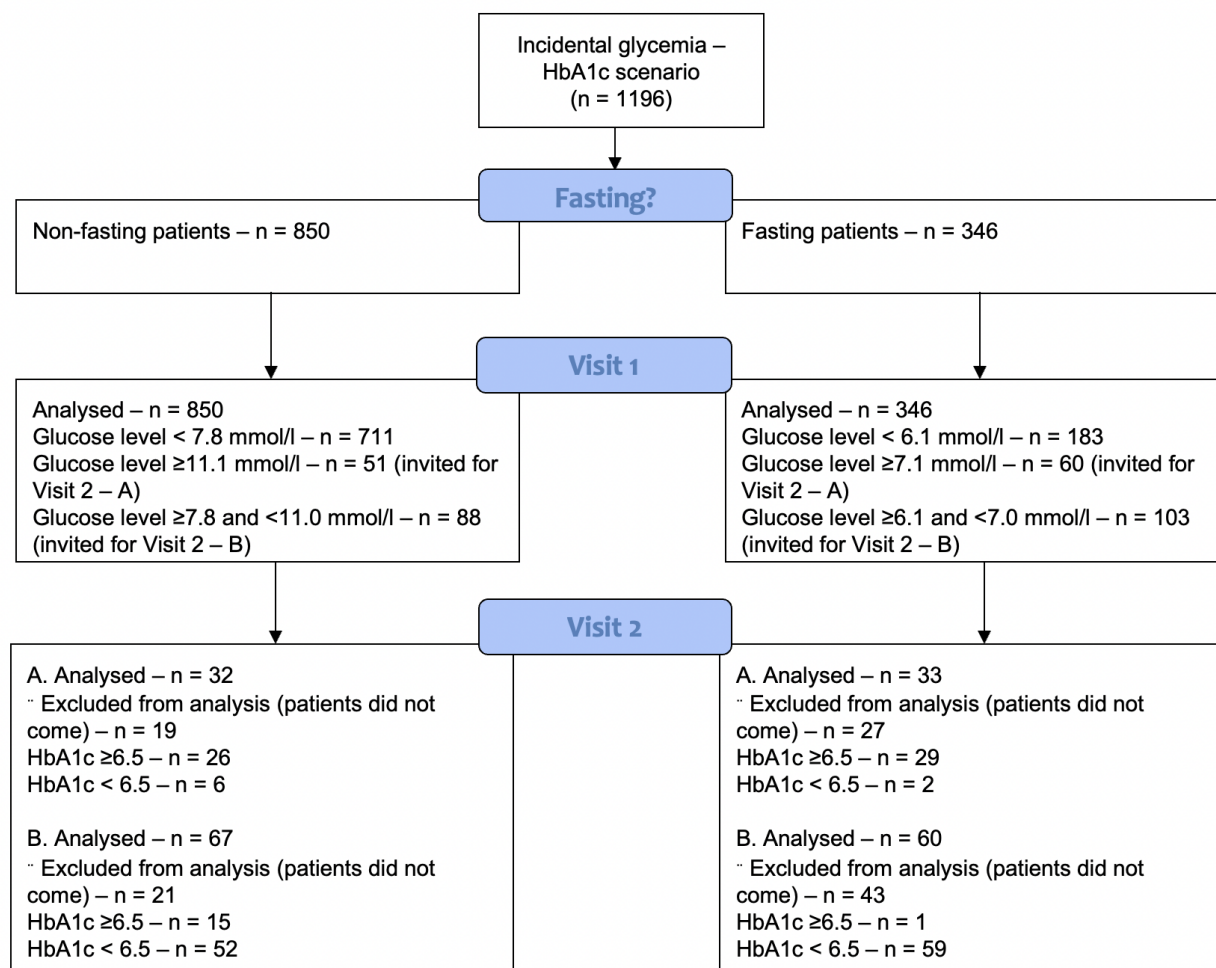
\* conversion rate as of May 10, 2019: 8415 soms per 1 US Dollar

Appendix 3. “Patient funnel” from the first to the second visit in the “incidental glycemia–fasting glucose” scenario



Note: among 1105 patients, 954 patients did not come in a fasting state and were tested for an incidental glycemia on Visit 1. Among them, 68.4% had a glucose level < 7.8 mmol/L, 9% had a glucose level  $\geq$  11.1 mmol/L and were referred to an endocrinologist, 23% had a glucose level between 7.8 and 11.1 mmol/L and were asked to come for Visit 2 for fasting glucose testing. 68.8% of these patients did not come for Visit 2

Appendix 4. “Patient funnel” from the first to the second visit in the “incidental glucose–HbA1c” scenario



Note: among 1196 patients, 346 came in a fasting state. Among them, 53% had a glucose level < 6.1 mmol/L. 17% had a glucose level ≥ 7.1 mmol/L. 31 out of these 60 patients had an additional HbA1c determination; among them 94% had HbA1c ≥ 6.5%. 30% out of the patients who came in a fasting state had a glucose level between 6.1 and 7.0 mmol/L. 60 out of these 103 patients had and additional HbA1c determination; among them only 2% had HbA1c ≥ 6.5%.

Among 1196 patients, 850 did not come in a fasting state. Among them, 84% had a glucose level < 7.8 mmol/L. 6% had a glucose level ≥ 11.1 mmol/L. 32 out of these 51 patients had an additional HbA1c determination; among them 81% had HbA1c ≥ 6.5%. 10% out of the patients who did not come in a fasting state had a glucose level between 7.8 and 11.0 mmol/L. 67 out of these 88 patients had and additional HbA1c determination; among them 22% had HbA1c ≥ 6.5%