

Gestational Diabetes Mellitus Screening: Current Knowledge, Attitudes and Practice



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KAP Survey Design

- Sample comprised of 225 physicians
 - 170 PCP's
 - 55 OBGYN
- Survey instrument
 - De novo questionnaire
 - Online survey
 - Email

Results

- 28% response rate (64)
- Average age was 38.5 yrs, 60.9% female
- 57.8% of them were PCP's, 34.4% specialists
- 78.2% of the sample saw 5-20 antenatal cases weekly

Do you ROUTINELY screen for GDM?

YES!* - 82.8%

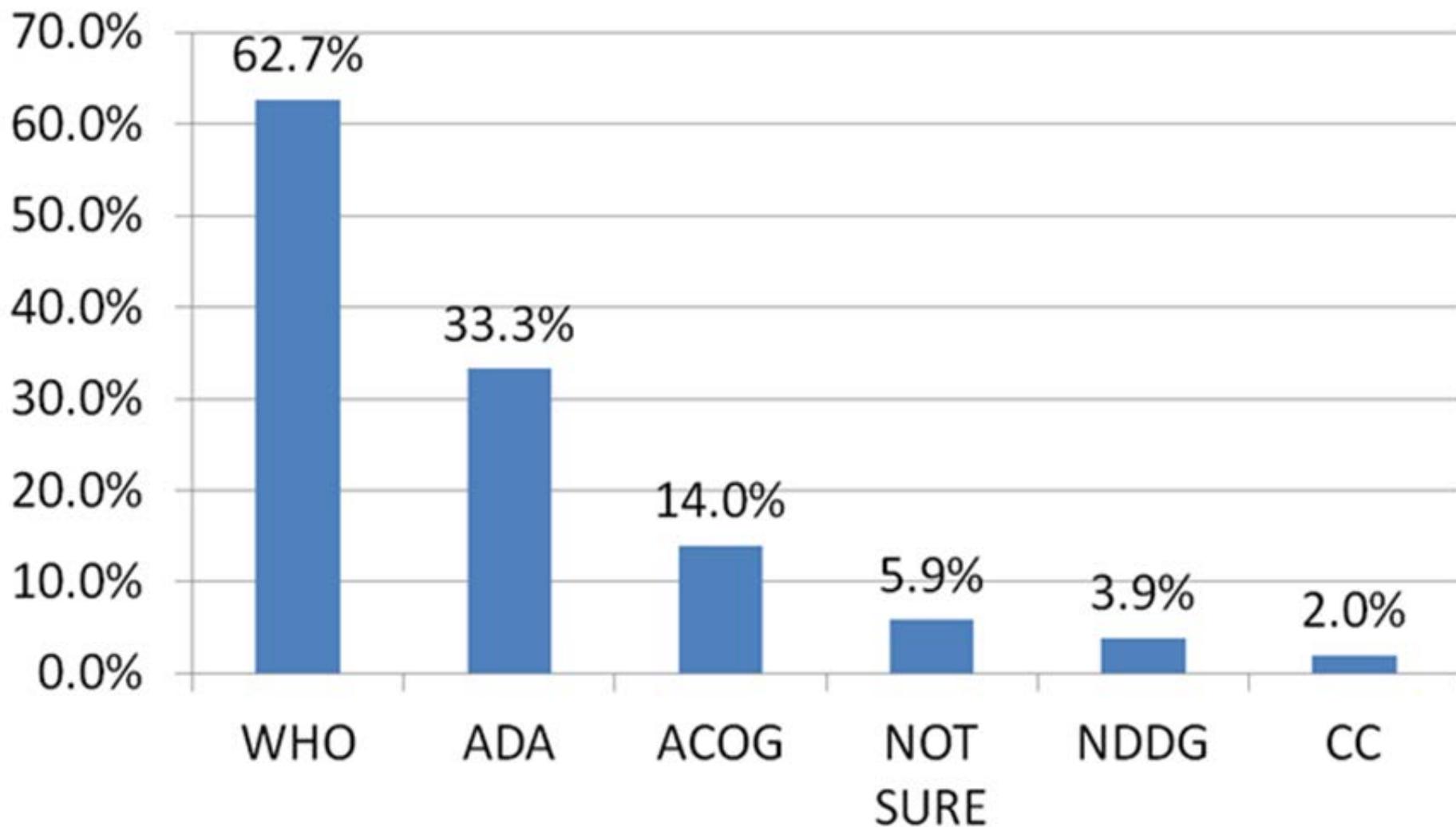
- Method used?
 - Urine Testing - 1.9%
 - Blood Testing - 26.4%
 - Both - 71.7%
- When?
 - **Booking - 69.8%**
 - 1st Trimester - 32.1%
 - **2nd Trimester - 79.2%**
 - 3rd Trimester - 43.4%

*Neither age, gender, specialty, duration of practice or number of cases seen were predictive of the decision to screen

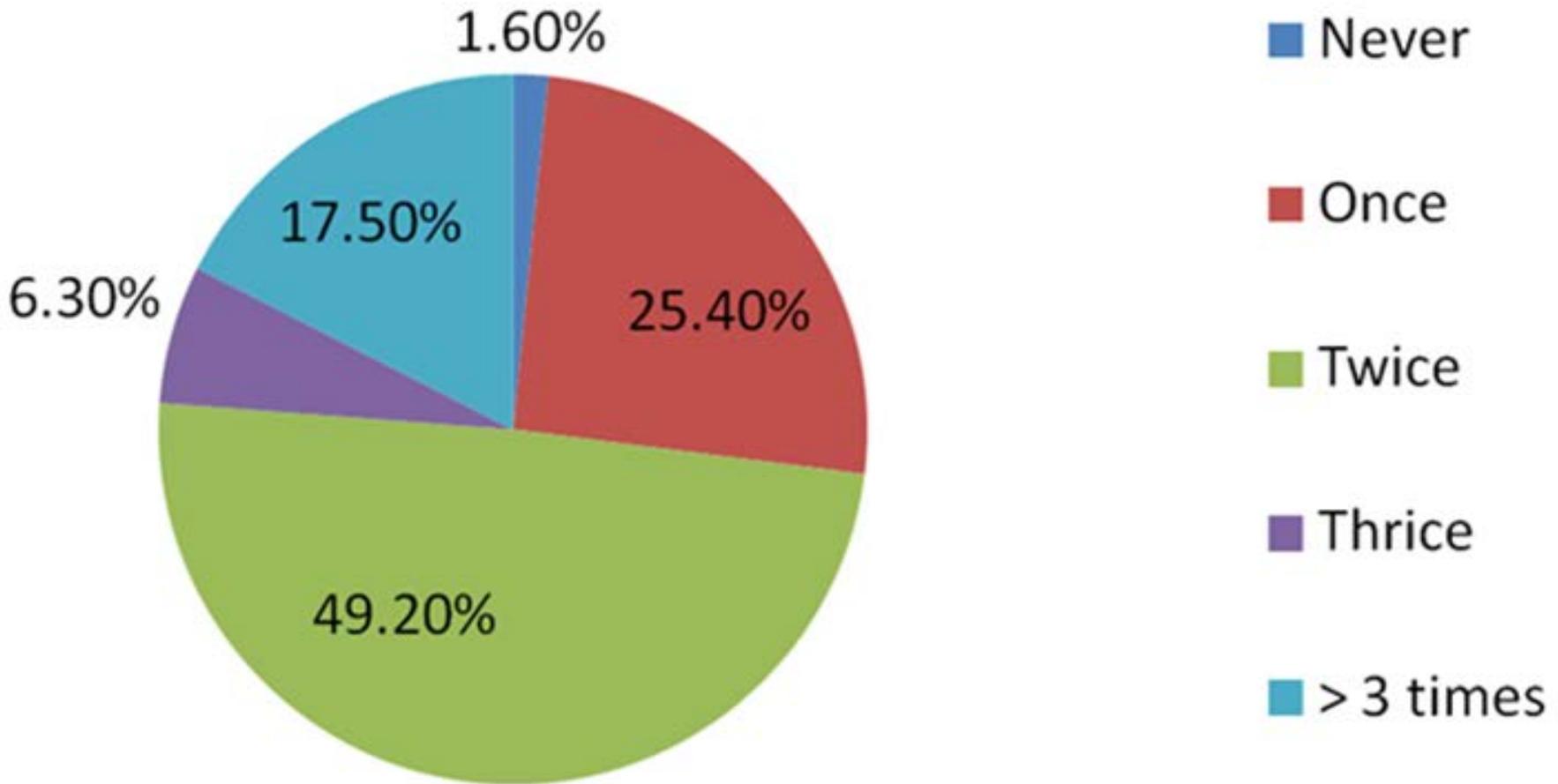
Which method of blood testing would you use?

- O'Sullivan's 50g - 44.2%
- Fasting blood glucose - 48.1%
- Glucose Tolerance Testing - 59.6%
- HbA1c - 7.7%

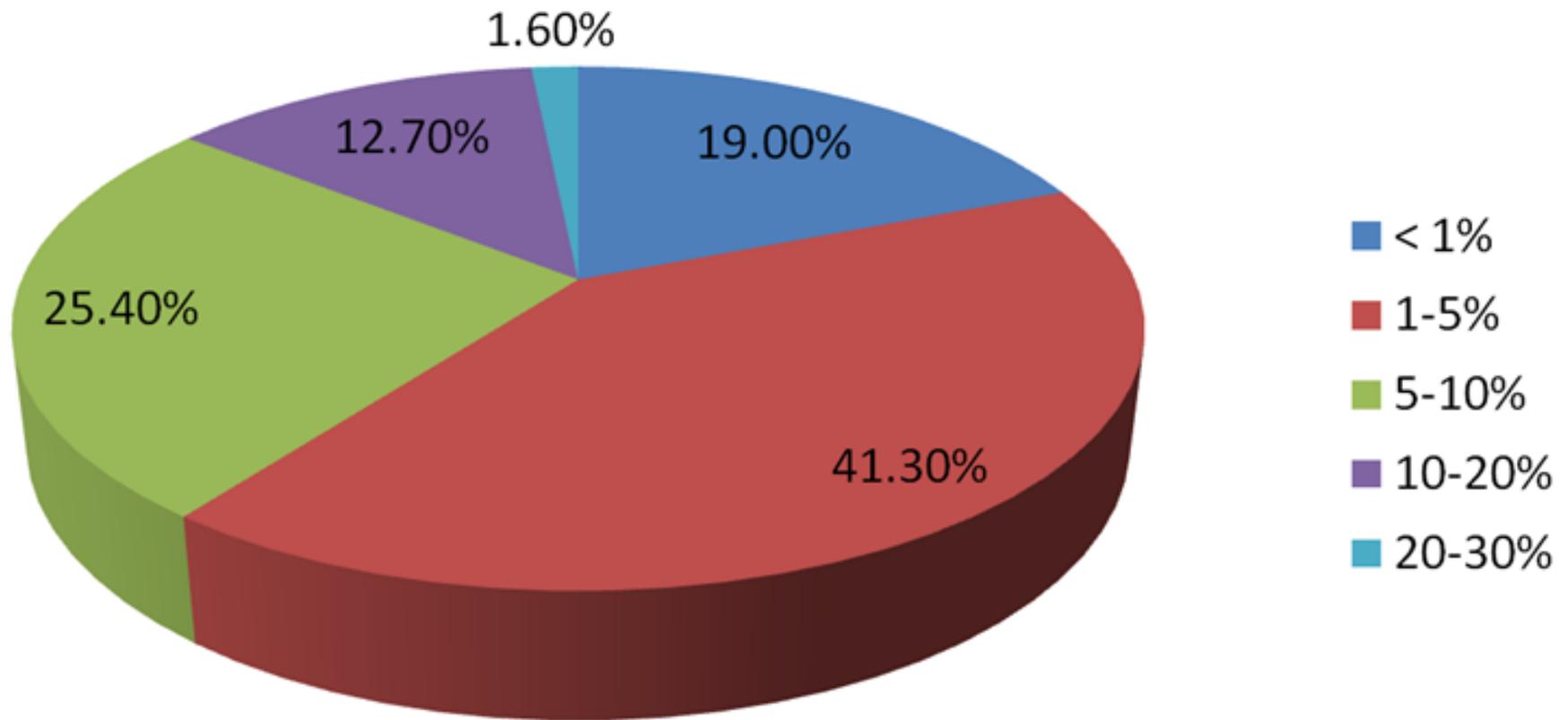
Diagnostic Criteria used by physicians who would do OGTT.



How often should screening be done?



In your practice, how frequent a problem is gestational diabetes?



If you recognized GDM, how would you manage the patient?

- Refer - 76.2%
- Manage on my own - 23.8%
- More specialists (52.4%) vs. PCP's (8.1%) would manage GD on their own ($P < 0.001$).

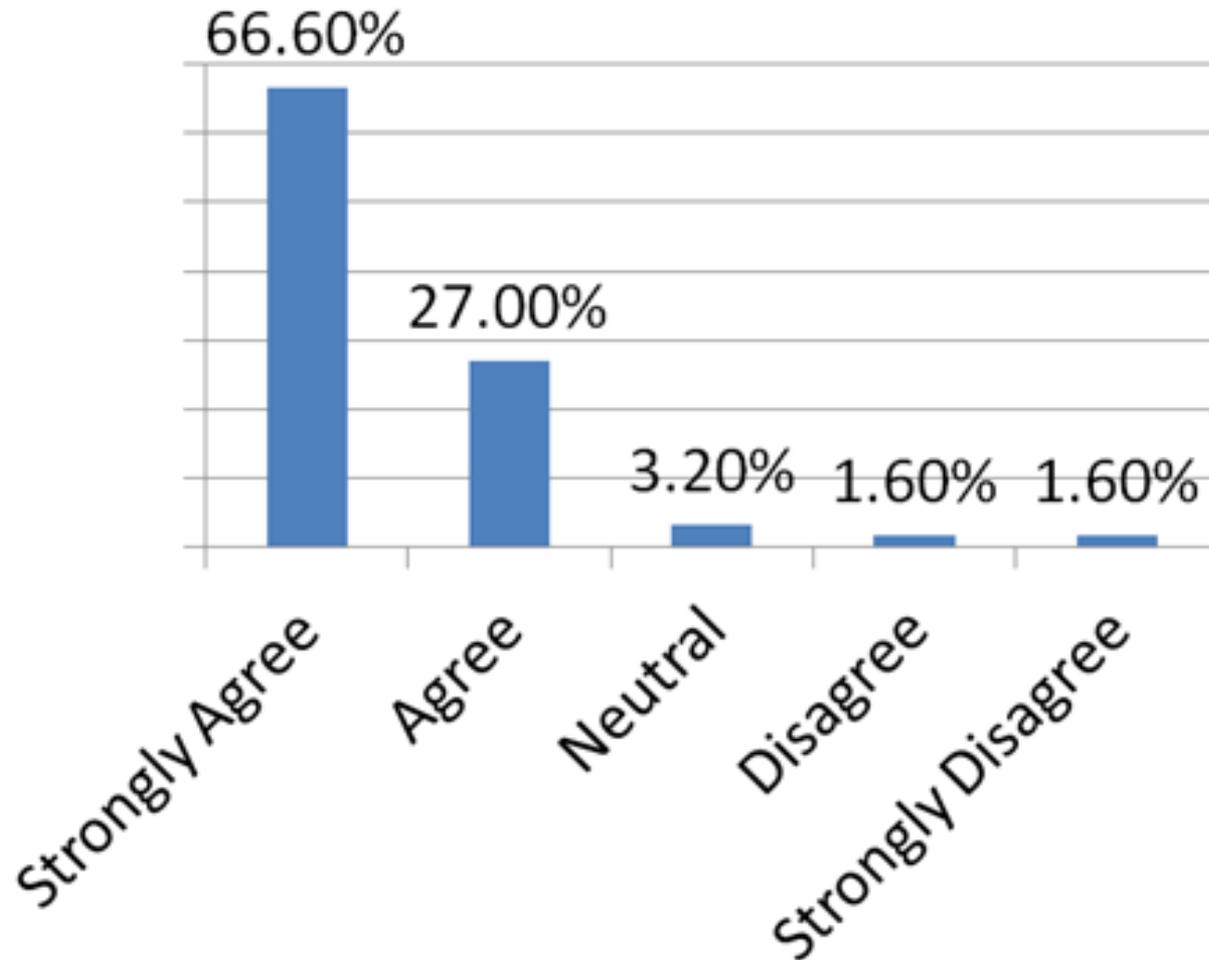
If you refer, who would you normally refer to?

Referral to:	PCP's (34)	Specialists (10)	<i>P</i> Value
Obstetrician	88.2%	10%	< 0.0001
Physician	2.9%	80%	< 0.0001
Specialty Clinic	20.6%	20%	1.00
Dietitian	23.5%	70%	0.0187

Where would your GDM patient normally be delivered?

- Private sector - 30.2%
- Public hospital - 95.2%
- More specialists (61.9%) were more likely to have their patient deliver in the private sector when compared to PCP's. (16.2%)

“All pregnancies should be screened routinely with a standardized national protocol”



How does this data help us?



- Low response rate
- Small sample

- Insightful
- Info gained can help build consensus and policy

Summary

- 83% of our physicians involved in antenatal care routinely screen for GDM
- 94% agree with the need for routine GDM screening with a **standardized national protocol!**

Acknowledgements

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Thank
You