

Innovations And Strategies To Combat Examination Malpractices

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Research Approach

- **Qualitative document review**
- **Case studies:**
 - **Nigeria, Ghana, Gambia**
- **WAEC initiatives analysis**
- **Policy documents review**

Abstract



- Examines tech solutions to exam fraud



- Focus on CBE, biometrics, AI tools



- Proposes integrated framework



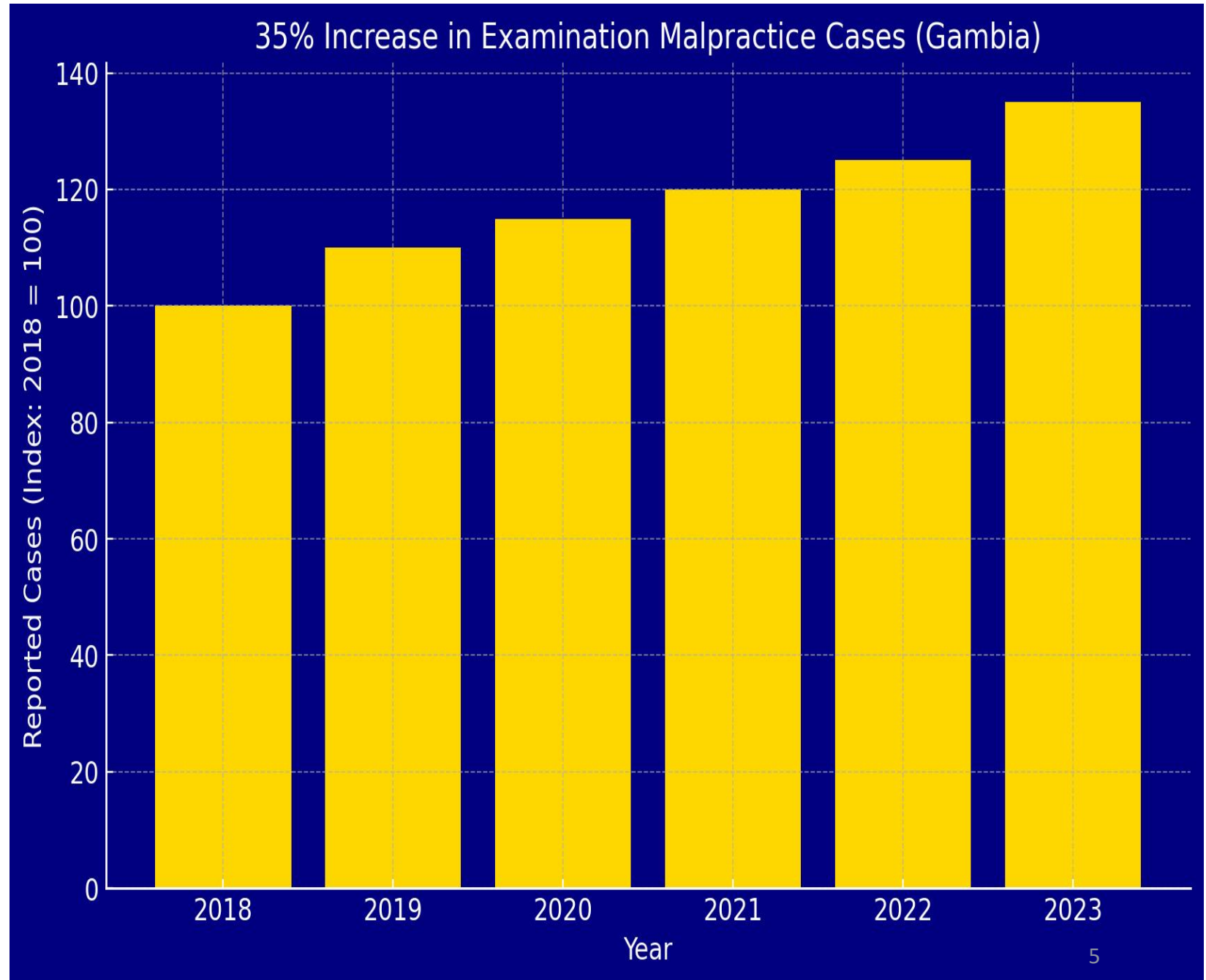
- Emphasizes infrastructure needs

The Problem

Examination Malpractice is widespread in West Africa, especially The Gambia

The Problem

35% increase in cases
(Gambia 2018-23)



The Problem

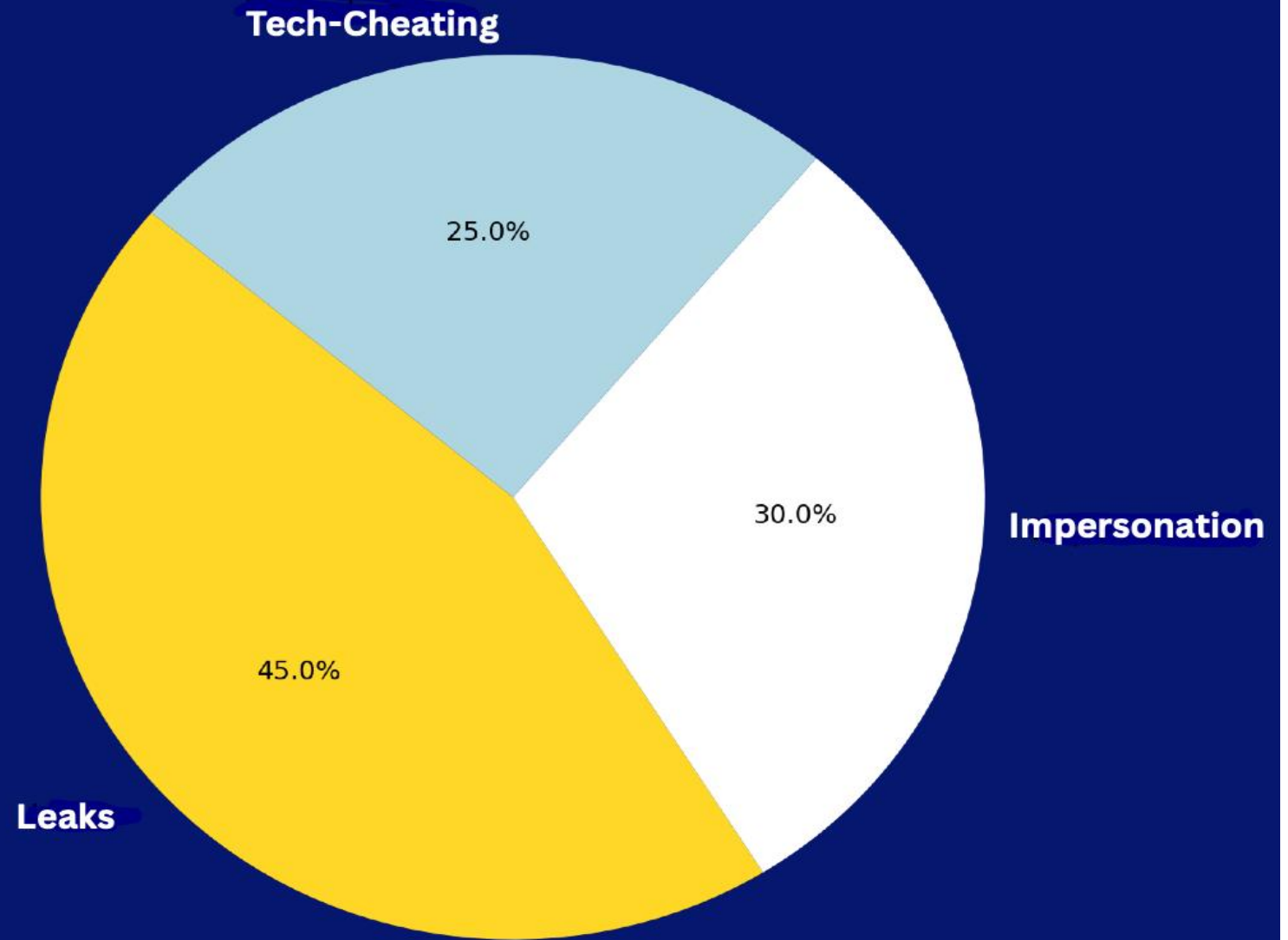


(WAEC Member Countries in 2019)

The Problem

Common methods:

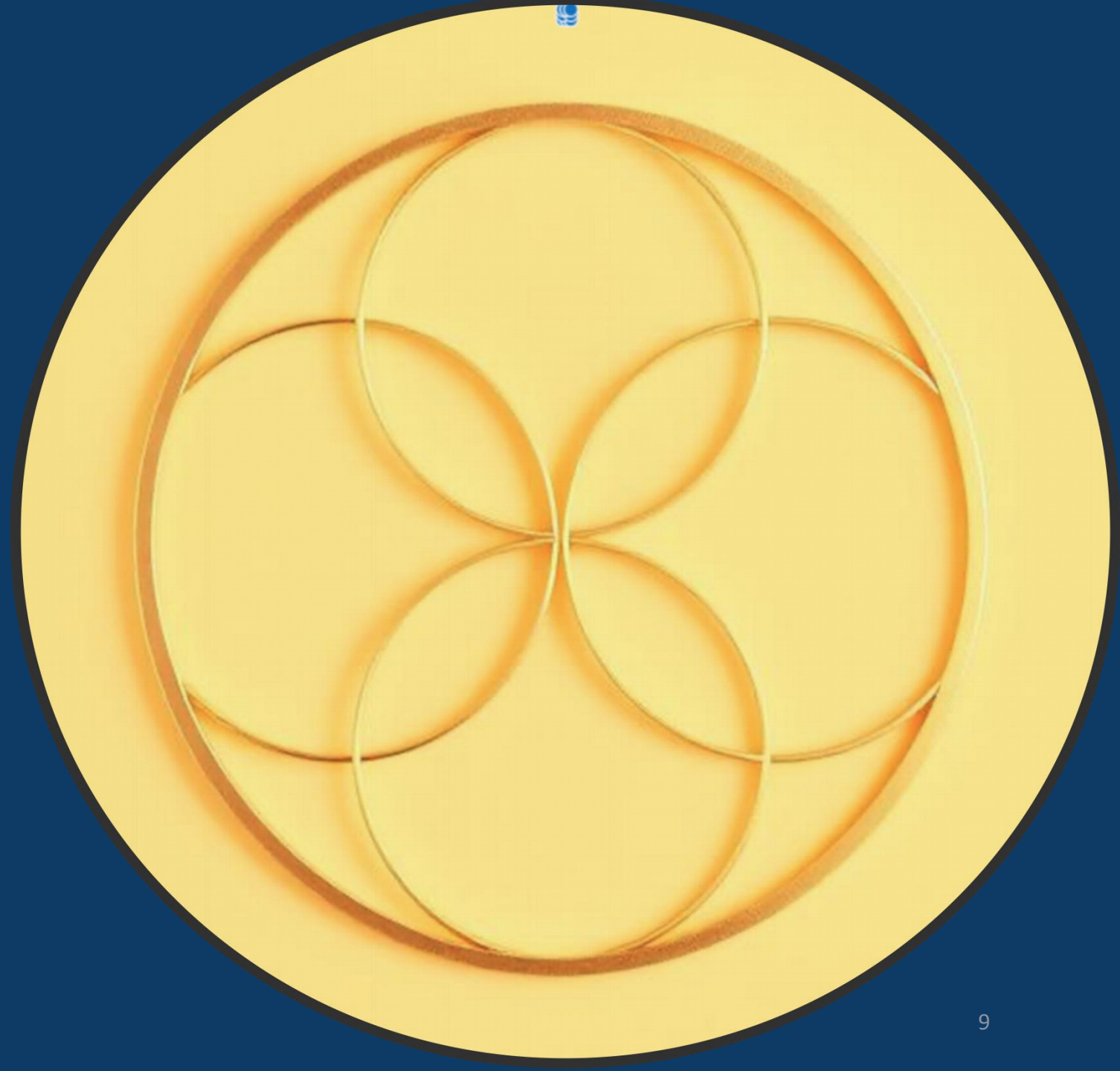
Types of Examination Malpractice



The Problem

**Driven by societal pressure,
poor preparation, and tech
misuse**

Why Malpractice Persists



Weak controls



Pressure



(60% call it
"necessary evil")

The Problem

Cultural acceptance



Tech misuse

Key Innovations

1. Computer-Based Exams
2. Biometric Verification
3. AI Proctoring
4. Blockchain Certificates
5. Encrypted Exam Distribution

Success Stories

1. Computer-Based Exams

CBE reduces cheating by 60%



Success Stories

2. Biometric Verification

80% drop in impersonation



Success Stories

3. AI Proctoring



200+ monitoring data points

4. Blockchain Certificates



Blockchain 2020

Success Stories

5. Encrypted Exam Distribution



Regional Success Stories

- **Nigeria: reduction with CBE**
- **Ghana: fewer leaks**
- **Gambia: Biometric success**
- **Sierra Leone: Digital platform**



Implementation Barriers

- Rural internet access
- Power instability
- Funding limitations
- Cybersecurity risks
- Privacy concerns



Rural internet access



Power instability



Lack of Funds

Implementation Barriers



Cybersecurity risks



Implementation Barriers

Privacy concerns



Policy Recommendations

1. Infrastructure investment
2. Legal framework updates
3. Educator training
4. Ethics curriculum
5. Regional collaboration

Conclusion

- **Multi-pronged approach needed**
- **Technology must be ethical**
- **Inclusivity is critical**
- **Regional coordination valuable**

Thank You

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