Utilization of eye care service in Hong Kong Type 2 Diabetes: Comparison of ocular disorders in diabetes with and without retinal examination in the past

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Introduction:
- To investigate the use of eye-care service by type 2 diabetes in Hong Kong.
- To compare the rate of occurrence of ocular disorders in those with and without retinal exam.

Methods:
- Type 2 diabetes aged ≥ 30 years were recruited during a diabetic retinopathy screening procedures.
- Every subject underwent standardized interviews & screening procedures.

Results:
Of 891 participants with known DM ≥ 1 yr, nearly two-third had never undergone any DR evaluation (Figure 1).

Those who did not have DM eye exam were more likely to develop sight-threatening DR than those who had retinal evaluation (Figure 2).

Conclusion:
A large percentage of HK type 2 diabetes do not have proper eye care.
Increase in sight-threatening DR among them.
Imperative to minimize underutilization.
Need to study the most efficient / cost effectiveness DM eye care system in HK.