

Cervical Cytology Screening Audit:
An Assessment of the Outcome at
Biopsy of High Risk HPV Positive
Triage Cases.

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Overview

- Aims of the Audit
- Method
- Results
- Future study
- Questions

Audit overview

- To determine the outcome of all cytology cases reported as having borderline nuclear changes or mild dyskaryosis which tested positive for high risk HPV.
- Looked at related histology to assess outcome.
- Final outcome categorised as high grade CIN, low grade CIN, inadequate or undetermined.

Aims of Audit

- Use in clinical practice – allow clinicians to provide valuable information to patients.
- Indication of our performance of HPV triage cases over time.
- Comparison to available data to assess performance.

Method

- Accessed quarterly master sheets of all cytology cases from 2012 – 2014.
- Sorted into HPV positive triage cases to build dataset.
- Used Winpath to obtain relevant histology result relating to cases.
- Recorded all relevant information onto spread sheet.

Method Continued

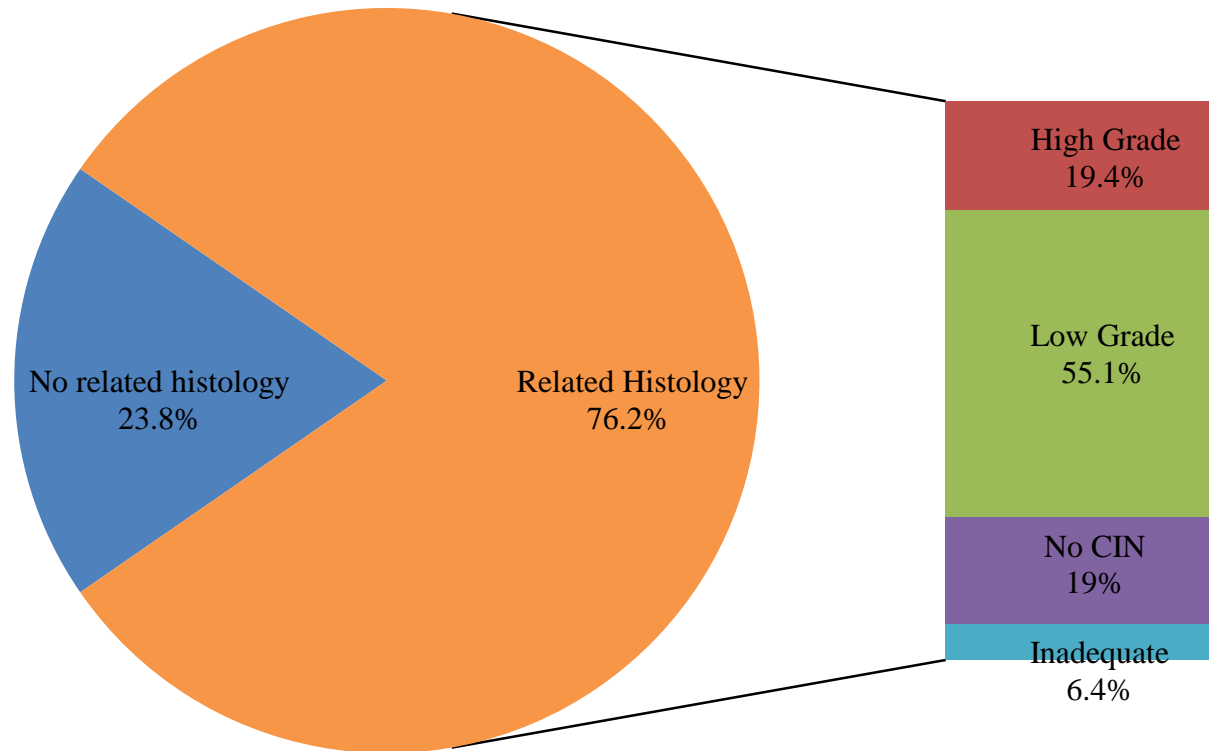
- Concluded a final decision for each case (e.g. CIN2 +/-ungraded = HG)
- Calculated frequency of each outcome for each year.
- Then calculated a single combined outcome.

Results Summary

- 2234 HPV positive triage cases of which 76.2% had a related histology.
- An outcome has not been determined in the further 23.8%.
- Of those who had a punch biopsy, LLETZ or other related histology 55.1% (n=937) showed low grade CIN, correlating with the cytology smear result.
- Results showed improvement over time.

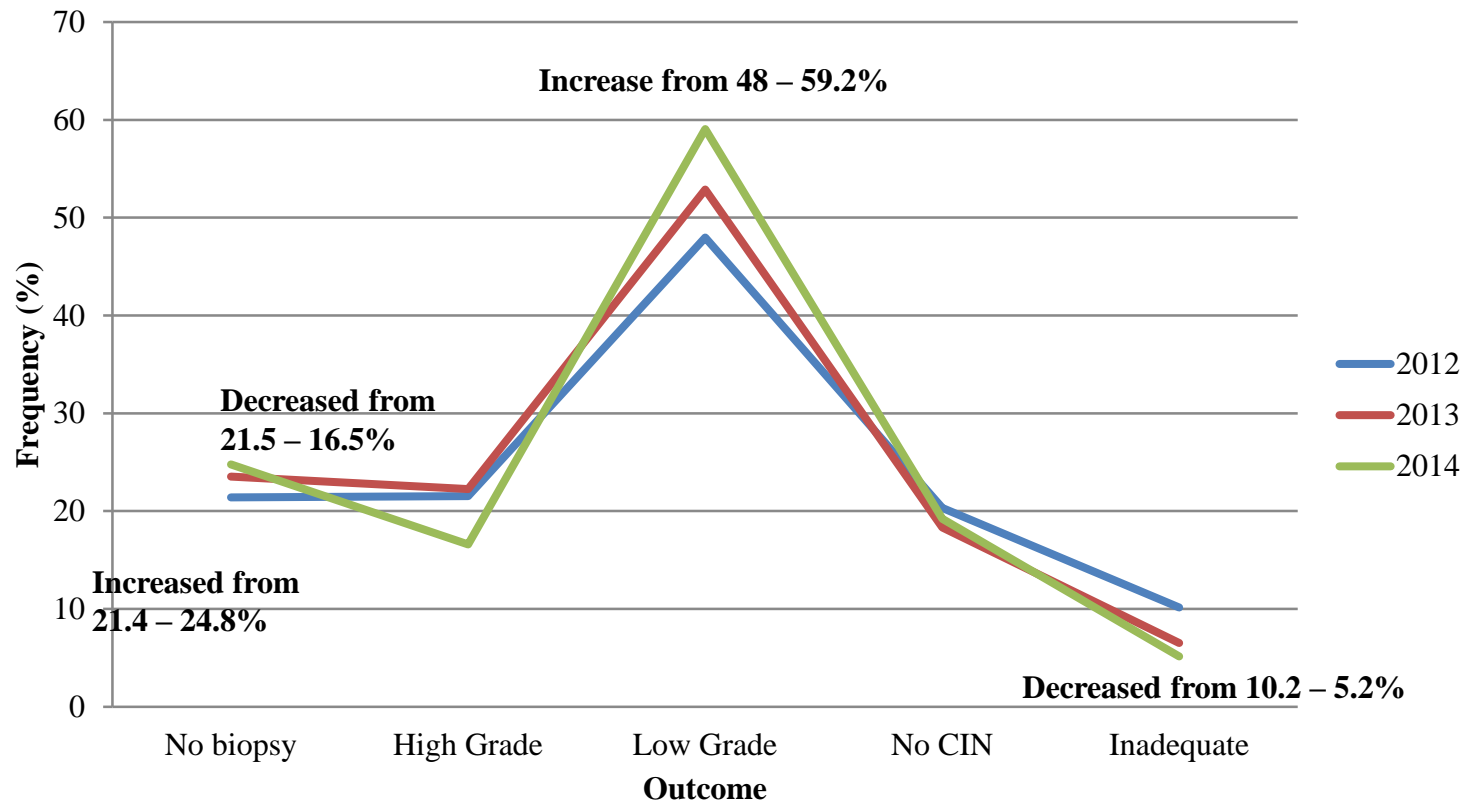
Results

Overall Outcome of HPV Trigae Cervical Cytology Cases



Results

Outcome of High Risk HPV Positive Cervical Cytology Cases at Biopsy over time (2012-2014)



Comparison to Sentinel Pilot

CDDFT

- 76.2% had a biopsy.
- Of which 55.1% were reported as Low grade (CIN1).
- 19.4% were reported as CIN2 or higher.
- 19% were negative for CIN.

Pilot

- 62% had a biopsy.
- Of which 27.1% were graded as CIN1.
- 21.4% were CIN2 or higher.
- 49% were negative form CIN.

Further Study

- Further separation of biopsy types and outcome.
- Explore data set where no biopsy was taken, to determine outcome of these cases allowing further comparison to pilot study.
- Look at 3 year smear reports of high risk HPV negative triage cases.



Questions