

**OSCAR HbA1c Indicator Report: % of patients with diabetes who had 2 or more HbA1c tests within the past 12 months**

<report title="HQO A1C: Totals" description="Percent of (AC and GROUP HOME) patients with diabetes, aged 40 or over, with two or more glycated hemoglobin (HbA1c) tests within the past 12 months." active="1">

<query>

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SELECT MRP,
       SUM(IF(IFNULL(Number_A1Cs_in_Last_12_Months,0) >= 2, 1, 0)) AS Two_or_More_A1Cs,
       COUNT(*) AS Number_of_Patients_40_or_Older_w_DM,
       CONCAT( ROUND( (SUM(IF(IFNULL(Number_A1Cs_in_Last_12_Months,0) >= 2, 1, 0)) / COUNT(*))
*100, 2), '%') AS Percent
FROM (SELECT demographic.demographic_no AS Demo,
             MRP
      FROM demographic,
           (SELECT provider_no,
                  last_name AS MRP
            FROM provider
            WHERE specialty LIKE '%MRP%'
           ) AS MRP
      WHERE patient_status IN ('AC','GROUP HOME')
      AND demographic.provider_no = MRP.provider_no
      AND YEAR(CURDATE())-demographic.year_of_birth-(DATE_FORMAT(CURDATE(),'00-%m-%d')<CONCAT('00-',demographic.month_of_birth,'-',demographic.date_of_birth))
          >= 40
      ) AS Patients,
      (SELECT DISTINCT demographic_no
      FROM dxresearch,
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        icd9
WHERE dxresearch.dxresearch_code = icd9.icd9

AND coding_system = 'icd9'

AND description LIKE '%diabete%'

AND description NOT LIKE '%fam%'

AND description NOT LIKE '%pre%'

AND description NOT LIKE '%insi%'

AND status = 'A'

UNION DISTINCT

SELECT DISTINCT dxresearch.demographic_no

FROM dxresearch,

        encodeFm

WHERE dxresearch.dxresearch_code = encodeFm.EncodeFm

AND coding_system = 'encodeFm'

AND (description LIKE '%diabete%' OR description LIKE '%dm type%')

AND description NOT LIKE '%fam%'

AND description NOT LIKE '%pre%'

AND description NOT LIKE '%insi%'

AND dxresearch.status = 'A'

) AS Diabetes_Dx

LEFT JOIN (SELECT demographicNo                AS demographic_no,

        COUNT(DISTINCT DATE(dateObserved)) AS Number_A1Cs_in_Last_12_Months

FROM measurements

WHERE type = 'A1C'

AND dataField <> ''

AND dateObserved BETWEEN ADDDATE(CURDATE(), INTERVAL -12 MONTH) AND CURDATE())

GROUP BY demographicNo

) AS Agg_measurements

ON Diabetes_Dx.demographic_no = Agg_measurements.demographic_no

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WHERE Diabetes\_Dx.demographic\_no = Patients.Demo

GROUP BY MRP WITH ROLLUP

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</query>

</report>