```
create or replace procedure p_further_consultation_20(exedate varchar2 default to_char(trunc(sysdate,'dd'),'yyyymmdd'))
is
mmax varchar2(8);
i varchar2(8);

begin
  mmax := to_char(trunc(to_date(exedate,'yyyymmdd'),'mm'),'yyyymmdd');
  i := to_char(add_months(to_date(mmax,'yyyymmdd'),1),'yyyymmdd');

  loop
    i := to_char(add_months(to_date(i,'yyyymmdd'),-1),'yyyymmdd');
    exit when i < to_char(add_months(to_date(mmax,'yyyymmdd'),-2),'yyyymmdd');
    dbms_output.put_line(i);

    DELETE FROM cen_test.tb_sjpt_cube_fzl
    WHERE  nf_id = 'Y'||to_char(to_date(i,'yyyymmdd'),'yyyy')
    AND    yf_id = 'MON'||to_char(to_date(i,'yyyymmdd'),'mm');
    COMMIT;

    insert into tb_tmp_sqzg_15
    SELECT /*+ parallel(a,32) */
    'Y' || to_char(jzksrq, 'YYYY') nf_id, 'MON' || to_char(jzksrq, 'MM') yf_id,
    d.qxdm qx_id, c.wsjgdm yljg_id,
    (CASE
    WHEN nvl(b.xb, '9') NOT IN ('0', '1', '2', '9') THEN
      '9'
    ELSE
      b.xb
    END) xb,
    (CASE
    WHEN cendoc.is_date(nvl(b.csrq, 'xx')) = 0
        OR cenbuf.isnumeric(csrq) = 0 THEN
      '9999'
    ELSE
      substr(b.csrq, 1, 4)
    END) AS csrq, COUNT(DISTINCT dah) mjzrs, COUNT(1) mjzrc
    FROM    cen_core_v20.tb_yl_mz_medical_record a,
      cen_core_v20.tb_patient_information_x b,
      outdataexchange.t_sqzg_dic_jgdz_new c, outdataexchange.tb_sjpt_dic_jg d
    WHERE   a.xgbz = '1'
    AND     a.kh = b.kh
    AND     a.klx = b.klx
    AND     a.yljgdm = c.yljgdm
    AND     c.wsjgdm = d.yljgdm
    AND     substr(jzlx, 1, 1) NOT IN ('2', '6')
    and jzksrq>=to_date(i,'yyyymmdd')
    and jzksrq<add_months(to_date(i,'yyyymmdd'),1)
    GROUP  BY 'Y' || to_char(jzksrq, 'YYYY'), 'MON' || to_char(jzksrq, 'MM'),
        d.qxdm, c.wsjgdm,
        (CASE
          WHEN nvl(b.xb, '9') NOT IN ('0', '1', '2', '9') THEN
          '9'
          ELSE
          b.xb
        END),
```

```sql
      (CASE
        WHEN cendoc.is_date(nvl(b.csrq, 'xx')) = 0
          OR cenbuf.isnumeric(csrq) = 0 THEN
        '9999'
        ELSE
        substr(b.csrq, 1, 4)
      END);


    INSERT /*+ append nologging */INTO  cen_test.tb_sjpt_cube_fz1
    SELECT nf_id, yf_id, qx_id, yljg_id, 'SEX' || xb,
      (CASE
      WHEN substr(nf_id, 2, 4) - csrq < 7 THEN
        'AGE1'
      WHEN substr(nf_id, 2, 4) - csrq >= 7
          AND substr(nf_id, 2, 4) - csrq < 21 THEN
        'AGE2'
      WHEN substr(nf_id, 2, 4) - csrq >= 21
          AND substr(nf_id, 2, 4) - csrq < 46 THEN
        'AGE3'
      WHEN substr(nf_id, 2, 4) - csrq >= 46
          AND substr(nf_id, 2, 4) - csrq < 60 THEN
        'AGE4'
      WHEN substr(nf_id, 2, 4) - csrq >= 60 THEN
        'AGE5'
      ELSE
        'AGE9'
      END), SUM(mjzrs), SUM(mjzrc), 0, 0
    FROM   tb_tmp_sqzg_15 t
    GROUP  BY nf_id, yf_id, qx_id, yljg_id, 'SEX' || xb,
      (CASE
        WHEN substr(nf_id, 2, 4) - csrq < 7 THEN
        'AGE1'
        WHEN substr(nf_id, 2, 4) - csrq >= 7
          AND substr(nf_id, 2, 4) - csrq < 21 THEN
        'AGE2'
        WHEN substr(nf_id, 2, 4) - csrq >= 21
          AND substr(nf_id, 2, 4) - csrq < 46 THEN
        'AGE3'
        WHEN substr(nf_id, 2, 4) - csrq >= 46
          AND substr(nf_id, 2, 4) - csrq < 60 THEN
        'AGE4'
        WHEN substr(nf_id, 2, 4) - csrq >= 60 THEN
        'AGE5'
        ELSE
        'AGE9'
        END);
    COMMIT;

  end loop;


UPDATE cen_test.tb_sjpt_cube_fz1 SET qymjzrs = 0, qymjzrc = 0
where nf_id>='Y2016';
COMMIT;


insert into tb_tmp_sqzg_16
  SELECT /*+ parallel(a,32) */
  'Y' || substr(sj, 1, 4) nf_id, 'MON' || substr(sj, 5, 2) yf_id,
  d.qxdm qx_id, c.wsjgdm yljg_id, 'SEX' || jmxb xb_id,
```

```sql
    (CASE
      WHEN substr(sj, 1, 4) - substr(csrq, 1, 4) < 7 THEN
        'AGE1'
      WHEN substr(sj, 1, 4) - substr(csrq, 1, 4) >= 7
            AND substr(sj, 1, 4) - substr(csrq, 1, 4) < 21 THEN
        'AGE2'
      WHEN substr(sj, 1, 4) - substr(csrq, 1, 4) >= 21
            AND substr(sj, 1, 4) - substr(csrq, 1, 4) < 46 THEN
        'AGE3'
      WHEN substr(sj, 1, 4) - substr(csrq, 1, 4) >= 46
            AND substr(sj, 1, 4) - substr(csrq, 1, 4) < 60 THEN
        'AGE4'
      WHEN substr(sj, 1, 4) - substr(csrq, 1, 4) >= 60 THEN
        'AGE5'
      ELSE
        'AGE9'
    END) nl_id, COUNT(DISTINCT idcard) qymjzrs, SUM(mjzrc) qymjzrc
FROM    cen_test.tb_dtl_mzrc a,
        (SELECT DISTINCT idcard, sqjgbm, qjjgbm, sjjgbm, gp_id,
                          upper(TRIM(sbkh)) kh, '0' klx, jmxb, csrq
         FROM    outdataexchange.t_sqzg_gpqy_qyxx a
         WHERE   a.qystate = '1'
         AND     sbkh IS NOT NULL
         AND     jlsj < to_date('20180315', 'YYYYMMDD')
         UNION
         SELECT DISTINCT idcard, sqjgbm, qjjgbm, sjjgbm, gp_id,
                          upper(TRIM(ybkh)) kh, '1' klx, jmxb, csrq
         FROM    outdataexchange.t_sqzg_gpqy_qyxx a
         WHERE   a.qystate = '1'
         AND     ybkh IS NOT NULL
         AND     jlsj < to_date('20180315', 'YYYYMMDD')) b,
        outdataexchange.t_sqzg_dic_jgdz_new c, outdataexchange.tb_sjpt_dic_jg d
WHERE   a.kh = b.kh
AND     a.klx = b.klx
AND     a.yljgdm = c.yljgdm
AND     c.wsjgdm = d.yljgdm
AND     b.sqjgbm IN (SELECT yljgdm FROM outdataexchange.tb_sjpt_dic_jg)
and sj>='201601'
GROUP  BY 'Y' || substr(sj, 1, 4), 'MON' || substr(sj, 5, 2), d.qxdm,
          c.wsjgdm, 'SEX' || jmxb,
          (CASE
              WHEN substr(sj, 1, 4) - substr(csrq, 1, 4) < 7 THEN
                'AGE1'
              WHEN substr(sj, 1, 4) - substr(csrq, 1, 4) >= 7
                    AND substr(sj, 1, 4) - substr(csrq, 1, 4) < 21 THEN
                'AGE2'
              WHEN substr(sj, 1, 4) - substr(csrq, 1, 4) >= 21
                    AND substr(sj, 1, 4) - substr(csrq, 1, 4) < 46 THEN
                'AGE3'
              WHEN substr(sj, 1, 4) - substr(csrq, 1, 4) >= 46
                    AND substr(sj, 1, 4) - substr(csrq, 1, 4) < 60 THEN
                'AGE4'
              WHEN substr(sj, 1, 4) - substr(csrq, 1, 4) >= 60 THEN
                'AGE5'
              ELSE
                'AGE9'
            END);
```

```
MERGE INTO cen_test.tb_sjpt_cube_fzl a
USING tb_tmp_sqzg_16 b
ON (a.nf_id = b.nf_id AND a.yf_id = b.yf_id AND a.qx_id = b.qx_id AND a.yljg_id = b.yljg_id AND a.xb_id = b.xb_id AND a.nl_id =
b.nl_id)
WHEN MATCHED THEN
  UPDATE SET a.qymjzrs = b.qymjzrs, a.qymjzrc = b.qymjzrc
WHEN NOT MATCHED THEN
  INSERT
  VALUES
    (b.nf_id, b.yf_id, b.qx_id, b.yljg_id, b.xb_id, b.nl_id, 0, 0,
    b.qymjzrs, b.qymjzrc);
COMMIT;

end p_further_consultation_20;
```