Better way to perform a complex Update command in SQL

Bad way...

DECLARE

type v\_array is varray(3) of pls\_integer;

array v\_array := v\_array(9773298,

11282864,

10542431

);

BEGIN

for i in 1..array.count loop

dbms\_output.put\_line (array(i);

update anc\_order\_appt\_detail aoad

set aoad.from\_patient\_location\_id = (select pl.patient\_location\_id from patient\_location pl

where pl.patient\_number = array(i)

and pl.location\_type\_id = 522

and pl.patient\_location\_id in (select max(pl2.patient\_location\_id) from patient\_location pl2 where pl2.patient\_number = pl.patient\_number))

where aoad.from\_patient\_location\_id IS NULL

and aoad.anc\_order\_appt\_id in (select aoa.anc\_order\_appt\_id from anc\_order\_appt aoa

where aoa.anc\_order\_auth\_id in (select aoa.anc\_order\_auth from anc\_order\_auth aoa

where aoa.anc\_order\_id in (select anc\_order ao where ao.patient\_number = array(i));

end loop;

END;

Better way....

UPDATE anc\_order\_appt\_detail d

SET d.to\_patient\_location\_id = d.from\_patient\_location\_id,

d.from\_patient\_location\_id =

(SELECT NVL(MAX(l.patient\_location\_id), 1)

FROM patient\_location l

JOIN anc\_order o ON l.patient\_number = o.patient\_number

JOIN anc\_order\_auth a ON o.anc\_order\_id = a.anc\_order\_id

JOIN anc\_order\_appt t ON a.anc\_order\_auth\_id = t.anc\_order\_auth\_id

JOIN anc\_order\_appt\_detail d2 ON t.anc\_order\_appt\_id = d2.anc\_order\_appt\_id

WHERE l.location\_type\_id = 522

AND d2.anc\_order\_appt\_detail\_id = d.anc\_order\_appt\_detail\_id)

WHERE d.to\_patient\_location\_id IS NULL;