

What's New in ANZDATA Collection

HDF SUBSTITUTION VOLUME

Executive Summary

The ANZDATA Advisory Committee and Haemodialysis Working Group agreed to the new data collection element and this is implemented within the Online Electronic Data Collection tool (https://services.anzdata.org.au) and as a new A3 Survey. Refer to the Registries Data Set Specification Document for more information.

Data Element

Haemodiafiltration (HDF) Substitution Volume is collected to further inform on treatment outcomes of HDF. Fluid can be substituted before the dialyser (pre-dilution), after the dialyser (post-dilution) or a combination of both (mixed-dilution). This variable is associated with the dialysis type HDF only.

The Substitution Volume is reported in Litres (L) and with modern dialysis machines, this can be recalled from the machine screens at the end of dialysis treatment.

It is calculated by-

the blood flow rate (mls/minute), times the total treatment time (in minutes), times the rate of substitution infusion.

For example, If the infusion rate is prescribed as post-dilution 25% substitution, then calculation for 4hr dialysis at 350 BFR would be:

350 (mls/min) X 240 (60mins x 4 hours) x 0.25 = 21,000mls = 21L

Collection of Data Element

Haemodiafiltration (HDF) Substitution Volume collected at annual survey for patients receiving Haemodiafiltration only. Below illustrates where the variable is located on the paper form and screen. It can also be collected via the bulk entry screens.

Figure 1 - Paper Form - HDF Substitution Volume



Figure 2 – Screen View – HDF Substitution Volume

Haemod	ialysis										
A	ccess at First HD	3 - Tunnel CV C	Catheter								
Survey Period	Dialyser Brand*	Blood Flow Rate (mls/min)*	HDF Volume (L)*	Sessions Per Week*	Hours Per Session*	Dialysis Adequacy Method	Dialysis Adequacy Value	Access At Last HD*	Dialysate Sodium (mmol/l)*	Dialysate Calcium (mmol/l)*	Achieved Ultrafiltration Volume (L)
31/12/2019						•					