

**Table 6 Assessment of safety of IV injections and infusion procedures to patients and providers in the public and private health sectors, Oman, 2007**

Indicator	Public sector			Private sector		
	n	N	% (95% CI)	n	N	% (95% CI)
<b>Assessing risk to patients</b>						
Intravenous procedures prepared on a clean, dedicated table or tray where contamination of equipment with blood, body fluids or dirty swabs is unlikely:						
IV injections	27	11	86 (72-100)	17	18	61 (40-82)
IV infusions	31	36	85 (73-97)	12	19	61 (29-93)
Skin at puncture site is prepared before an IV procedure using CHG 2%, povidone-iodine or alcohol, and allowed to dry before puncture	30	41	74 (58-90)	17	23	73 (46-100)
Provider palpated the venepuncture site after skin preparation with an antiseptic during IV procedures (including phlebotomies)	30	58	51 (32-70)	17	27	63 (36-90)
At start of each IV infusion or IV catheter change the device was taken from a sterile packet	39	42	93 (86-100)	17	23	73 (47-99)
For each procedure performed on an IV system using a needle/syringe, the IV system was accessed from an IV port	17	23	75 (50-100)	7	18	39 (10-68)
Injection ports are cleansed with CHG 2%, povidone-iodine or alcohol before accessing the IV system	15	26	60(40-80)	9	16	50 (10-90)
<b>Assessing risk to providers</b>						
Provider appropriately secured the patient and the intended puncture site so that the patient could not move during the procedure	64	70	91 (85-97)	39	43	91 (83-100)
Provider wore a new pair of gloves for each intravenous injection	14	31	44 (25-63)	12	18	65 (38-92)
Provider wore a new pair of gloves each time an intravenous infusion was started or an intravenous catheter was changed	17	33	53 (34-72)	4	18	24 (1-47)
No 2-handed recapping of any needles after performing intravenous injections occurred	36	41	89 (78-100)	14	23	60 ( 28-92)
Provider disposed of sharps in an appropriate sharps container immediately after procedure	35	41	85 (74-96)	15	21	72 (45-99)
Provider disposed of non-sharps infectious waste immediately after the procedure in a container specific for non-sharps infectious waste	34	40	86 (73-99)	13	24	55 (24-86)

n = weighted proportion numerator; N = proportion denominator; CI = confidence interval; CHG = chlorhexidine gluconate.