

**Table 3 Assessment of safety of injection practices 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>						
Injections prepared on a clean, dedicated table or tray where contamination of the equipment with blood, body fluids or dirty swabs is unlikely						
Vaccinations	56	63	89 (81-96)	14	15	94 (80-100)
Therapeutic	57	62	92 (85-99)	35	44	79 (63-95)
Family planning	19	21	89 (76-100)	6	8	81 (46-100)
Dental	27	32	86 (75-97)	41	46	90 (81-99)
Total	69	73	94 (89-99)	45	57	79 (67-91)
<b>Syringes and needles for injections taken from a sterile packet or fitted with caps</b>						
Vaccinations	59	62	96 (91-100)	12	12	100
Therapeutic	60	61	98 (95-100)	42	43	98 (95-100)
Family planning	17	17	100	6	6	100
Dental	18	24	76 (48-100)	34	37	91 (81-100)
Total	67	73	92 (85-98)	49	54	91 (83-99)
For reconstitutions, syringe and needle taken from sealed packet or fitted with caps	48	48	100	16	16	100
Diluents used for vaccine reconstitutions is from the same manufacturer that made the vaccine	47	47	100	11	11	100
Providers cleansed access diaphragm of multi-dose vials with antiseptic before inserting a needle into the vial	10	31	32 (15-50)	5	13	40 (1-78)
Provider used a clean barrier to protect fingers when opening a glass ampoule	27	50	54 (40-68)	27	35	77 (50-100)
Temperature sensitive vaccines kept at 2-8° C during period of use	62	62	100	9	13	71 (23-100)
<b>Assessing risk to providers</b>						
Absence of recapping of needles after administering a vaccination	56	62	91 (84-98)	9	14	62 (20-100)
Absence of 2-handed recapping of needles after administering a therapeutic injection	57	61	94 (87-99.9)	23	42	54 (35-72)
After vaccinations, the provider immediately disposed of the used needle/syringe in an appropriate sharps container	62	62	100	14	14	100
After therapeutic injections, the provider immediately disposed of used needle/syringe in an appropriate sharps container	57	61	94 (87-100)	17	23	73 (50-100)
During IV procedures (including phlebotomies), providers palpate the venepuncture site after skin preparation with an antiseptic	30	58	51 (40-70)	34	41	84 (68-100)

n = weighted proportion numerator, N = proportion denominator, CI = confidence interval; IV = intravenous.