

Call:

```
svyglm(formula = flu.vacc ~ factor(sex) + factor(Age.gp) + factor(flu.vacc.ly) +  
  factor(UR6) + factor(SIMD5) + factor(charlson.gp) + factor(smoke.status) +  
  factor(remote_cons_only) + factor(nCons_hosp) + factor(nDays_Encounter_Gp) +  
  factor(CareHome_Social) + factor(Dementia) + factor(resp) +  
  factor(cardiac) + factor(renal) + factor(liver) + factor(neuro) +  
  factor(immuno) + factor(diab) + factor(pneumo.ever) + factor(repeat.pres.ly_gp),  
  design = cohort.training.svy, family = binomial)
```

Survey design:

```
svydesign(~UniquePatientId, data = cohort.training)
```

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)	
(Intercept)	-3.3877796	0.1528964	-22.157	< 2e-16	***
factor(sex)Male	-0.0261893	0.0164878	-1.588	0.112202	.
factor(Age.gp) 5-14	-0.1247681	0.0658102	-1.896	0.057982	.
factor(Age.gp) 15-44	-0.2606412	0.0682763	-3.817	0.000135	***
factor(Age.gp) 45-64	0.1589972	0.0691151	2.300	0.021426	*
factor(flu.vacc.ly) Yes	2.6471869	0.0198894	133.095	< 2e-16	***
factor(UR6) 2	-0.0111673	0.0232101	-0.481	0.630418	.
factor(UR6) 3	0.1641901	0.0335993	4.887	1.03e-06	***
factor(UR6) 4	0.2273729	0.0590656	3.849	0.000119	***
factor(UR6) 5	0.1037367	0.0342128	3.032	0.002430	**
factor(UR6) 6	0.1237899	0.0400289	3.093	0.001986	**
factor(SIMD5) 2	-0.0192896	0.0225339	-0.856	0.391987	.
factor(SIMD5) 3	-0.0005527	0.0239671	-0.023	0.981600	.
factor(SIMD5) 4	-0.0259018	0.0258887	-1.001	0.317071	.
factor(SIMD5) 5	0.0302439	0.0276954	1.092	0.274830	.
factor(charlson.gp) 1-2	0.0540785	0.0327161	1.653	0.098345	.
factor(charlson.gp) 3-4	0.0738406	0.0444261	1.662	0.096499	.
factor(charlson.gp) >5	-0.0943108	0.0778472	-1.211	0.225714	.
factor(smoke.status) Ex	0.2892964	0.0231059	12.520	< 2e-16	***
factor(smoke.status) Non	0.0837808	0.0191914	4.366	1.27e-05	***
factor(smoke.status) Unknown	-0.5460049	0.0397413	-13.739	< 2e-16	***
factor(remote_cons_only) No consultations	-0.1596681	0.1308625	-1.220	0.222425	.
factor(remote_cons_only) Remote Cons only	0.0781530	0.1655805	0.472	0.636933	.
factor(nCons_hosp) 1	0.1220508	0.0237041	5.149	2.63e-07	***
factor(nCons_hosp) 2	0.2292434	0.0407926	5.620	1.92e-08	***
factor(nCons_hosp) 3	0.1516443	0.0630117	2.407	0.016105	*
factor(nCons_hosp) 4	0.2880628	0.0907633	3.174	0.001506	**
factor(nCons_hosp) 5	0.4180132	0.1165371	3.587	0.000335	***
factor(nCons_hosp) 6-10	0.3038334	0.0861925	3.525	0.000424	***
factor(nCons_hosp) >10	0.1539335	0.1497340	1.028	0.303933	.
factor(nDays_Encounter_Gp) 1	0.1279984	0.1305848	0.980	0.326995	.
factor(nDays_Encounter_Gp) 2	0.1912552	0.1305391	1.465	0.142895	.
factor(nDays_Encounter_Gp) 3	0.2695948	0.1306673	2.063	0.039097	*
factor(nDays_Encounter_Gp) 4	0.2951549	0.1312182	2.249	0.024495	*
factor(nDays_Encounter_Gp) 5	0.3104337	0.1315971	2.359	0.018329	*
factor(nDays_Encounter_Gp) >5	0.4488306	0.1292770	3.472	0.000517	***
factor(CareHome_Social) 1	1.0429837	0.3435107	3.036	0.002397	**
factor(Dementia) 1	0.3507086	0.2136598	1.641	0.100713	.
factor(resp) 1	0.0434330	0.0299227	1.452	0.146645	.
factor(cardiac) 1	0.3031314	0.0288685	10.500	< 2e-16	***
factor(renal) 1	0.0168211	0.0554083	0.304	0.761446	.
factor(liver) 1	-0.1707315	0.0530366	-3.219	0.001287	**
factor(neuro) 1	-0.0129488	0.0331292	-0.391	0.695903	.
factor(immuno) 1	0.8048622	0.0632314	12.729	< 2e-16	***
factor(diab) 1	0.5068088	0.0333058	15.217	< 2e-16	***
factor(pneumo.ever) 1	0.6732317	0.0251089	26.812	< 2e-16	***
factor(repeat.pres.ly_gp) 1	0.6405762	0.0293578	21.820	< 2e-16	***
factor(repeat.pres.ly_gp) 2	1.0452760	0.0275866	37.891	< 2e-16	***
factor(repeat.pres.ly_gp) 3	1.1815649	0.0296732	39.819	< 2e-16	***
factor(repeat.pres.ly_gp) 4	1.2748749	0.0322148	39.574	< 2e-16	***
factor(repeat.pres.ly_gp) 5	1.4110980	0.0349799	40.340	< 2e-16	***
factor(repeat.pres.ly_gp) 6	1.4978584	0.0372578	40.203	< 2e-16	***
factor(repeat.pres.ly_gp) 7	1.4753375	0.0413652	35.666	< 2e-16	***
factor(repeat.pres.ly_gp) 8	1.5789070	0.0451223	34.992	< 2e-16	***
factor(repeat.pres.ly_gp) 9	1.6253275	0.0499929	32.511	< 2e-16	***
factor(repeat.pres.ly_gp) 10	1.5720306	0.0566597	27.745	< 2e-16	***
factor(repeat.pres.ly_gp) 11-15	1.5739549	0.0437484	35.977	< 2e-16	***
factor(repeat.pres.ly_gp) >15	1.6586168	0.0675987	24.536	< 2e-16	***

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

(Dispersion parameter for binomial family taken to be 0.9461439)