

The correlation among variables in the SEM

In supplementary table 3, there existed significant difference among hearing protection knowledge, attitudes and HPD wearing behavior ($p < 0.001$). Also, HPD wearing comfort and behavior had significant difference ($p < 0.001$).

Supplementary table 3 The correlation among variables in the SEM

	Age	Education	Year of work	Work station	Work operation	Training hearing protection	HPD	Colleague influence	Knowledge	Attitude
Age	1									
Education	-0.436***	1								
Year of work	0.441***	0.004**	1							
Work operation	-0.151**	0.225***	0.060	1						
Work shifts	-0.241***	0.047	-0.192***	0.050	1					
Training hearing protection	-0.127**	0.085	-0.111*	0.044	0.156***	1				
HPD	-0.060	0.174***	0.114**	0.123*	-0.080	0.110*	1			
Colleague influence	-0.143**	0.155***	0.009	0.037	0.116**	0.116**	0.223***	1		
Knowledge	-0.269***	0.416***	0.059	0.265**	0.066	0.158***	0.211***	0.138**	1	
Attitude	-0.367***	0.257***	-0.079	0.058	0.113**	0.112*	0.175***	0.164***	0.318***	1

$\alpha = 0.05$. * $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$