

**Supplementary****Table S1** Baseline information of inpatient hospitalizations and transfusion patients

Characteristics	Inpatients (n/%, $\bar{x} \pm$ SD)	Transfusion patients (n/%, $\bar{x} \pm$ SD)
Total	3076096	190559
Age, year	3.33 $\pm$ 3.48	3.14 $\pm$ 3.61
Sex		
Male	1915169/62.26% (3.32 $\pm$ 3.46)	112779/59.18% (3.11 $\pm$ 3.61)
Female	1160927/37.74% (3.34 $\pm$ 3.50)	77780/40.82% (3.19 $\pm$ 3.61)
Length of stay (day)	6.98 $\pm$ 7.69	15.43 $\pm$ 16.65

**Table S2** Prevalence of transfusions in hospitalized children from FRCDP's 22 tertiary children's hospitals

Regions	Hospitals*	Overall		Transfusion	
		n	n	%	
Northeast China	1	71334	1719	2.41%	
North China	2	139628	37549	26.89%	
	3	21452	327	1.52%	
	4	123107	7823	6.35%	
	5	227044	22346	9.84%	
	6	184316	8778	4.76%	
East China	7	38936	128	0.33%	
	8	106926	6273	5.87%	
	9	238914	10691	4.47%	
	10	75484	1567	2.08%	
	11	222834	11931	5.35%	
South China	12	57588	1023	1.78%	
	13	200363	12030	6.00%	
Central China	14	189416	11293	5.96%	
	15	230204	9382	4.08%	
	16	255000	12201	4.78%	
Northwest China	17	108612	3436	3.16%	
	18	78985	3762	4.76%	
	19	46707	869	1.86%	
	20	211709	9123	4.31%	
Southwest China	21	73747	4907	6.65%	
	22	173790	13401	7.71%	
Total		3076096	190559	6.19%	

\*, <sup>1</sup>Dalian Children's Hospital of Dalian Medical University, Dalian, China; <sup>2</sup>Children's Hospital of Hebei Province, Shijiazhuang, China; <sup>3</sup>Inner Mongolia Autonomous Region Maternal and Child Health Hospital, Hohhot, China; <sup>4</sup>Shanxi Children's Hospital, Shanxi Maternal and Child Health Care Hospital, Taiyuan, China; <sup>5</sup>Beijing Children's Hospital, Capital Medical University, National Center for Children's Health, China; <sup>6</sup>Anhui Children's Hospital, Hefei, China; <sup>7</sup>Hangzhou Children's Hospital, Hangzhou, China; <sup>8</sup>Jinan Children's Hospital, Jinan, China; <sup>9</sup>The Affiliated Children's Hospital of Nanchang University, Jiangxi Provincial Children's Hospital, Nanchang, China; <sup>10</sup>Liaocheng Children's Hospital, Liaocheng, China; <sup>11</sup>Nanjing Children's Hospital Affiliated to Nanjing Medical University, Nanjing, China; <sup>12</sup>Liuzhou Maternity and Child Healthcare Hospital, Liuzhou, China; <sup>13</sup>Shenzhen Children's Hospital, Shenzhen, China; <sup>14</sup>Hunan Children's Hospital, Changsha, China; <sup>15</sup>Wuhan Children's Hospital (Wuhan Maternal and Child Healthcare Hospital), Tongji Medical College, Huazhong University of Science and Technology, Wuhan, China; <sup>16</sup>Henan Children's Hospital, Zhengzhou Children's Hospital, Children's Hospital Affiliated to Zhengzhou University, Zhengzhou, China; <sup>17</sup>Gansu Provincial Maternity and Child Care Hospital, Lanzhou, Gansu Province, China; <sup>18</sup>Women and Children's Hospital of Qinghai Province, Xining, Qinghai, China; <sup>19</sup>Urumqi Children's Hospital, Urumqi, China; <sup>20</sup>The Children's Hospital of Xi'an City, Xi'an, China; <sup>21</sup>Guiyang Children's Hospital, Guiyang, China; <sup>22</sup>Kunming Children's Hospital, Kunming, China. FRCDP, Futang Research Center of Pediatric Development.