



## **Supporting Information**

### **Supplementary results**

**This appendix was part of the submitted manuscript and has been peer reviewed.  
It is posted as supplied by the authors.**

Appendix to: MacPhail A, Lee WJI, Kotsanas D, et al. A rise in invasive and non-invasive group A streptococcal disease case numbers in Melbourne in late 2022. *Med J Aust* 2023; doi: 10.5694/mja2.51909.

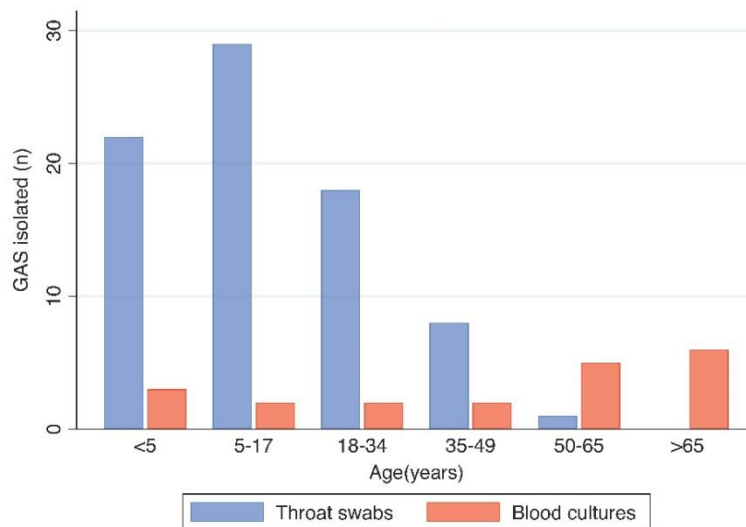
**Table 1.** Monthly numbers of isolations of group A streptococcus (GAS), pre-COVID-19 pandemic (2017–2019), COVID-19 pandemic (2020–2021) and 2022

Month	2017–2019		2020–2021		2022	
	Number	Proportion	Number	Proportion	Number	Proportion
<b>Throat swabs (GAS isolates/number of tests)</b>						
January	13/260	5.0% (2.7–8.4%)	13/127	10% (6–17%)	3/49	6.1% (1–17%)
February	9/137	6% (3–12%)	8/180	4% (2–9%)	1/42	2% (0–13%)
March	7/184	4% (2–8%)	9/149	6% (3–11%)	4/68	6% (2–14%)
April	16/238	6.7% (3.9–11%)	4/92	4% (1–11%)	4/58	7% (2–17%)
May	6/233	3% (1–6%)	3/135	2% (1–6%)	3/63	5% (1–13%)
June	11/165	6.7% (3.4–12%)	3/125	2% (0–7%)	3/83	4% (1–10%)
July	12/207	5.8% (3.0–9.9%)	4/102	4% (1–10%)	4/91	4% (1–11%)
August	13/232	5.6% (3.0–9.4%)	4/113	4% (1–9%)	3/58	5% (1–14%)
September	14/225	6.2% (3.4–10%)	1/104	1% (0–5%)	6/103	6% (2–12%)
October	16/233	6.9% (3.9–11%)	5/89	6% (2–13%)	10/109	9% (4–16%)
<b>November</b>	<b>25/299</b>	<b>8.4% (5.4–12%)</b>	<b>5/107</b>	<b>5% (2–11%)</b>	<b>17/112</b>	<b>15% (9.1–23%)</b>
<b>December</b>	<b>13/193</b>	<b>6.7% (3.6–11%)</b>	<b>4/122</b>	<b>3% (1–8%)</b>	<b>20/92</b>	<b>22% (14–32%)</b>
<b>Blood cultures (GAS isolates/number of tests)</b>						
January	6/10 508	0.06% (0.02–0.12%)	1/7031	0.01 (0–0.08%)	0/3273	0
February	3/9061	0.03% (0.0–0.10%)	2/6333	0.03 (0–0.11%)	0/3012	0
March	2/10 603	0.02% (0.0–0.07%)	1/7259	0.01 (0–0.08%)	0/3525	0
April	7/10 200	0.07% (0.03–0.14%)	1/6365	0.02 (0–0.09%)	0/3537	0
May	5/10 913	0.05% (0.01–0.11%)	0/6617	0	1/3938	0.03% (0–0.14%)
June	5/10 920	0.05% (0.01–0.11%)	1/6579	0.02 (0–0.08%)	1/3988	0.03% (0–0.14%)
July	9/11 555	0.08% (0.04–0.15%)	2/6764	0.03 (0–0.11%)	1/3829	0.03% (0–0.15%)
August	12/11 227	0.11% (0.06–0.19%)	1/6664	0.02 (0–0.08%)	0.081/3658	0.03% (0–0.15%)
September	9/10 880	0.08% (0.04–0.16%)	0/6157	0	3/3551	0.08% (0.02–0.25%)
October	11/11 311	0.10% (0.05–0.17%)	0/6512	0	3/3768	0.08% (0.02–0.23%)
November	5/10 579	0.05% (0.02–0.11%)	0/6198	0	4/3905	0.10% (0.03–0.26%)
December	9/11 013	<b>0.08% (0.04–0.16%)</b>	2/6781	0.03 (0–0.11%)	6/2597	<b>0.23% (0.08–0.50%)</b>

**Table 2.** Numbers of group A streptococcus tests, by test type and year

	Throat swabs	Blood cultures
2017	830	41 534
2018	867	41 628
2019	909	45 608
2020	654	39 588
2021	791	39 672
2022	928	42 581

**Figure 1.** Age distribution of people with group A streptococcus (GAS) isolated from by throat swabs and blood cultures, Monash Pathology, January–December 2022



**Figure 2.** Group A streptococcus (GAS) isolations, Monash Pathology, 2017–2022, by month. A. Throat swabs B. Blood cultures

