**Immunization rates and predictors of undervaccination in infants with congenital heart disease**

Ann M. Murray,1,2,3 Grace M. Lee,4 David W. Brown,5,6 Theresa A. Saia,5 Russell Gongwer,5,7 Mari M. Nakamura,2,6,8

1Harvard Medical School Fellowship in Patient Safety and Quality, Boston, MA, USA

2Division of Infectious Diseases, Department of Pediatrics, Boston Children’s Hospital, Boston, MA, USA

3Division of Infectious Diseases, Department of Pediatrics, MassGeneral Hospital for Children, Boston, MA, USA

4Department of Pediatrics, Stanford University School of Medicine, Stanford, CA, USA

5Department of Cardiology, Boston Children’s Hospital, Boston, MA, USA

6Department of Pediatrics, Harvard Medical School, Boston, MA, USA

7HealthCore, Watertown, MA, USA

8Antimicrobial Stewardship Program, Boston Children’s Hospital, Boston, MA, USA

**Corresponding author**

Mari M. Nakamura, MD, MPH

300 Longwood Avenue, Mailstop BCH 3052

Boston, MA 02115

telephone: 617-355-1561

[mari.nakamura@childrens.harvard.edu](mailto:mari.nakamura@childrens.harvard.edu)

ORCID 0000-0002-8191-0027



|  |
| --- |
| **Figure S1** |
| **Subjects 1-52** |
| **Subjects 53-104** |
|  |

**Figure S1 Individual Patterns of Undervaccination**

Each column represents the vaccination pattern for a single undervaccinated subject (N=104).

Red = Subject received fewer than recommended number of vaccine doses.

Green = Subject received recommended number of vaccine doses.

Number = Proportion of recommended doses received

|  |
| --- |
| **Table S1: Congenital Heart Disease Lesions Among Infants Undervaccinated for All Vaccines** |
| * Endocardial cushion defect * Ventricular septal defect * Double-outlet right ventricle * Mitral atresia, ventricular septal defect, coarctation of aorta * Double-outlet left ventricle, D-transposition of great arteries, coarctation of aorta * Ebstein anomaly * Atrial septal defect |