

## Contents

Preface vii

Introduction xiii

- 1 Is There Even a Problem? 1
- 2 Understanding Vaccines 9
- 3 The World before Vaccines 13
- 4 The First Vaccine 19
- 5 The First Anti-vaccine Movements 29
- 6 Vaccine Pioneers 45
- 7 The Twentieth-century Anti-vaccine Movement 49
- 8 Autism 63
- 9 The Anti-vaccine Movement, 1998–Present 69
- 10 Vaxxed 87
- 11 Too Many, Too Soon 97
- 12 Deadly Immunity 107
- 13 Ineffective “Alternatives” to Vaccination 115

<b>14 Social Media, "Fake News," and the Spread of Information</b>	135
<b>15 Escalation of Commitment</b>	151
<b>16 Religion and Vaccine Hesitancy</b>	155
<b>17 Big Pharma</b>	165
<b>18 Anti-vaccine Activism in 2018 and 2019</b>	179
<b>19 Vaccine Advocates</b>	187
<b>20 Who Are They?</b>	197
<b>21 The Anti-vaccine Parent</b>	201
<b>22 What Changes Minds about Vaccines?</b>	205
Conclusions	211
Acknowledgments	215
Notes	217
Index	273