

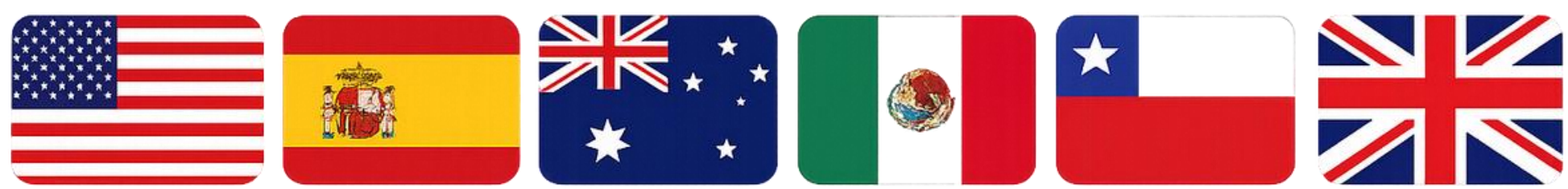


1. Introduction

Children with Down syndrome require lifelong health surveillance because of their increased risk of multisystem medical and developmental conditions.

Several countries have developed pediatric follow-up guidelines; however, recommendations vary in surveillance schedules, screening strategies, and assessment methods. We compared international guidelines to identify areas of consensus, variability, and emerging priorities informed by recent evidence.

2. Methods



Seven international pediatric Down syndrome guidelines were compared across predefined clinical and developmental domains.

Recommendations were organized into comparative matrices and classified according to the level of concordance. Emerging topics from recent literature were analyzed to identify potential future priorities.

4. Discussion and conclusions

- International pediatric Down syndrome guidelines demonstrate substantial consensus across core surveillance domains.
- Differences primarily reflect implementation strategies rather than disagreement about which conditions require surveillance.
- Recent literature identifies additional metabolic and functional domains that are not yet consistently incorporated into current guidelines.
- Future guideline updates should integrate new evidence only when supported by studies demonstrating clinical benefit and improved patient outcomes.

5. References

3. Results

Table 1:
Concordance Across Clinical Domains

Clinical Domain	Concordance
Cardiology	●
Hematology	●
Thyroid Function	●
Hearing	●
Ophthalmology	●
Oral Health	●
Obstructive Sleep Apnea	●
Celiac Disease	●
Atlantoaxial Instability	●
Immunization	●
Autism Spectrum Disorder	●

Concordance
● High (6-7 guidelines)
● Moderate (4-5 guidelines)

Figure 2: Emerging Evidence for Future
Guideline Updates

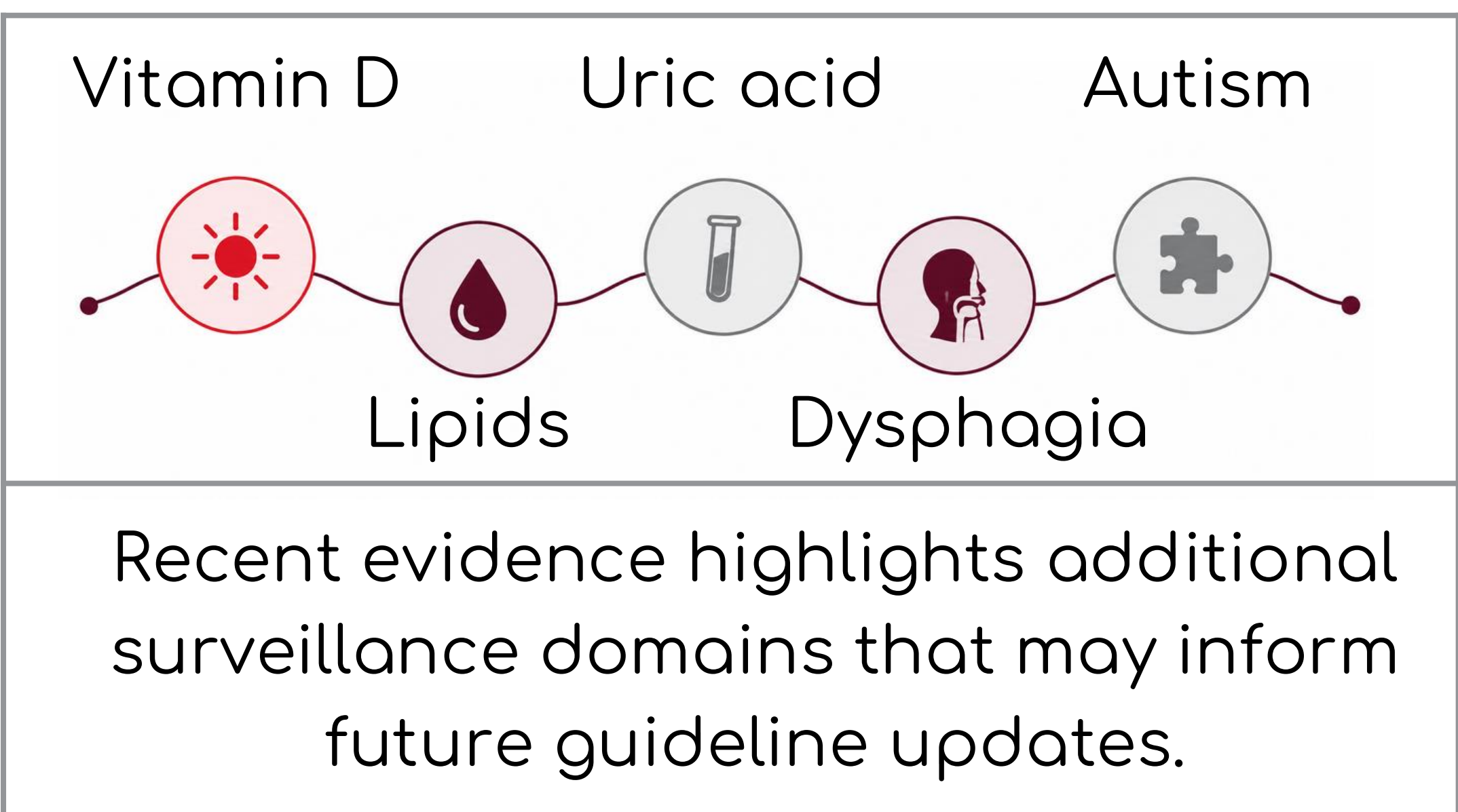
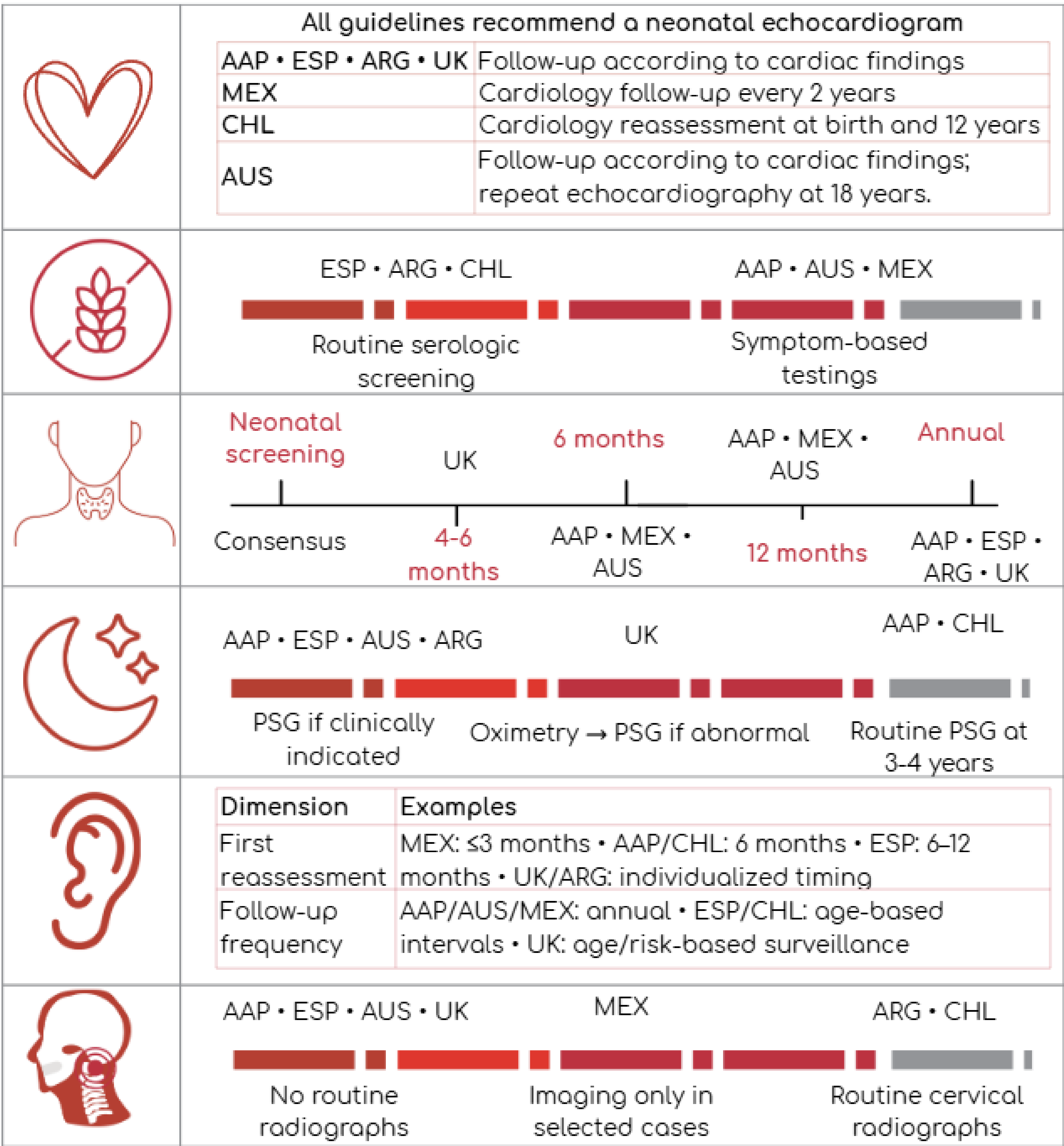


Figure 1:
Representative Differences Across International Guidelines



Abbreviations: AAP, American Academy of Pediatrics; AUS, Australia; ARG, Argentina; CHL, Chile; ESP, Spain; MEX, Mexico; UK, United Kingdom