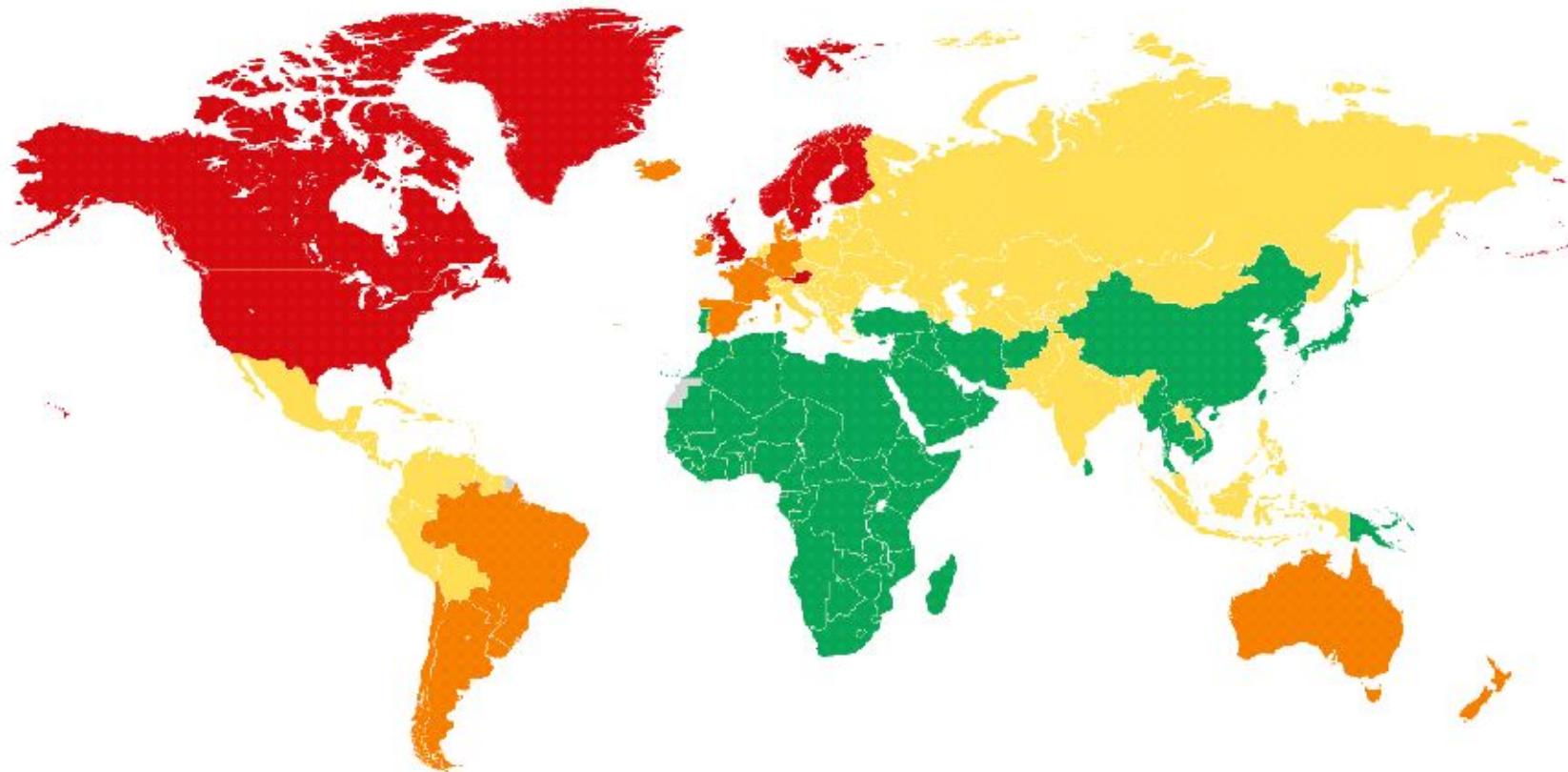


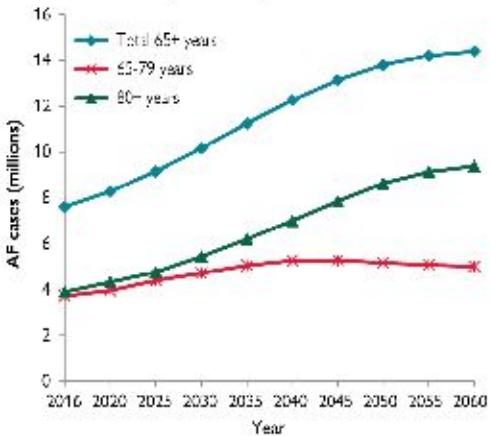
GLOBAL PREVALENCE OF AF

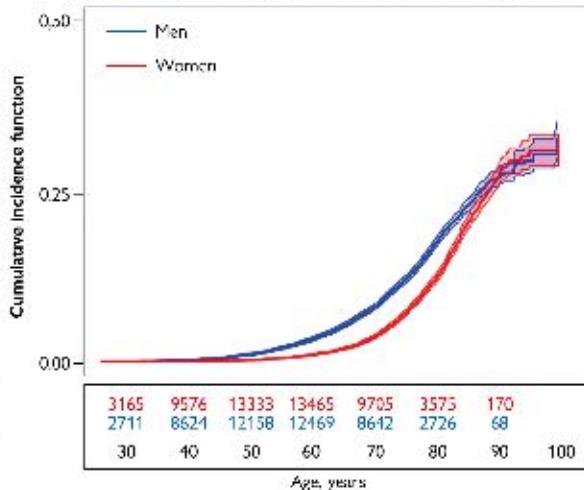
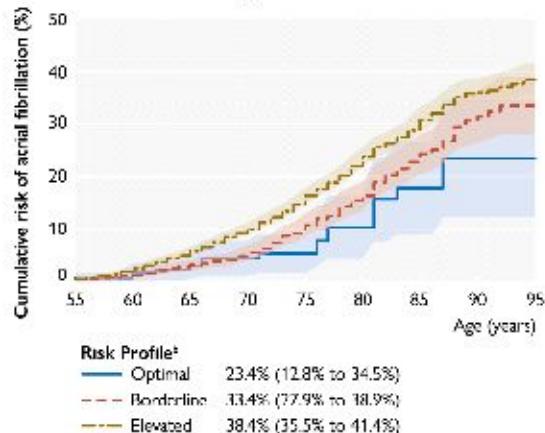
(globally, 43.6 million individuals had prevalent AF/AFL in 2016)

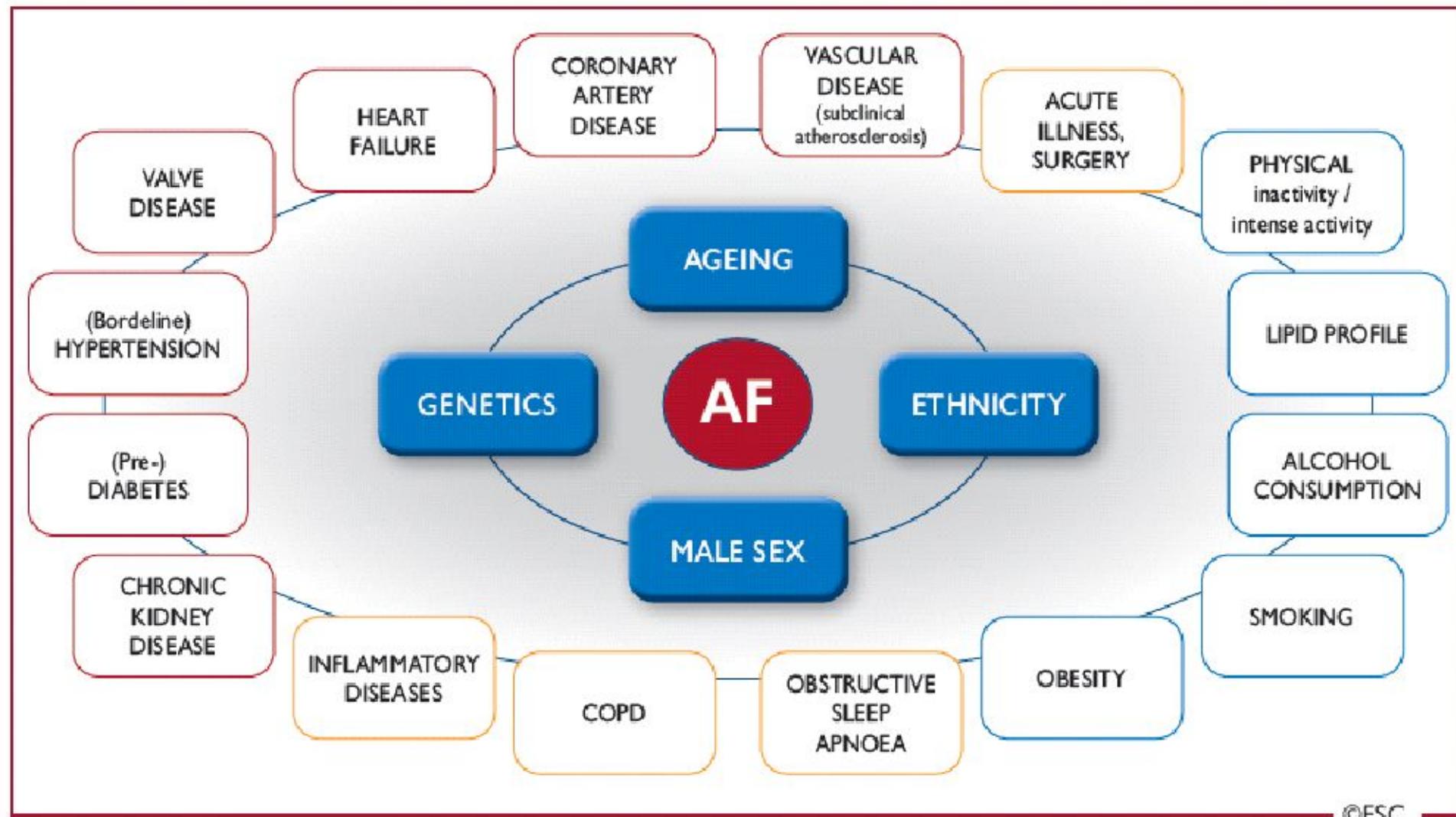


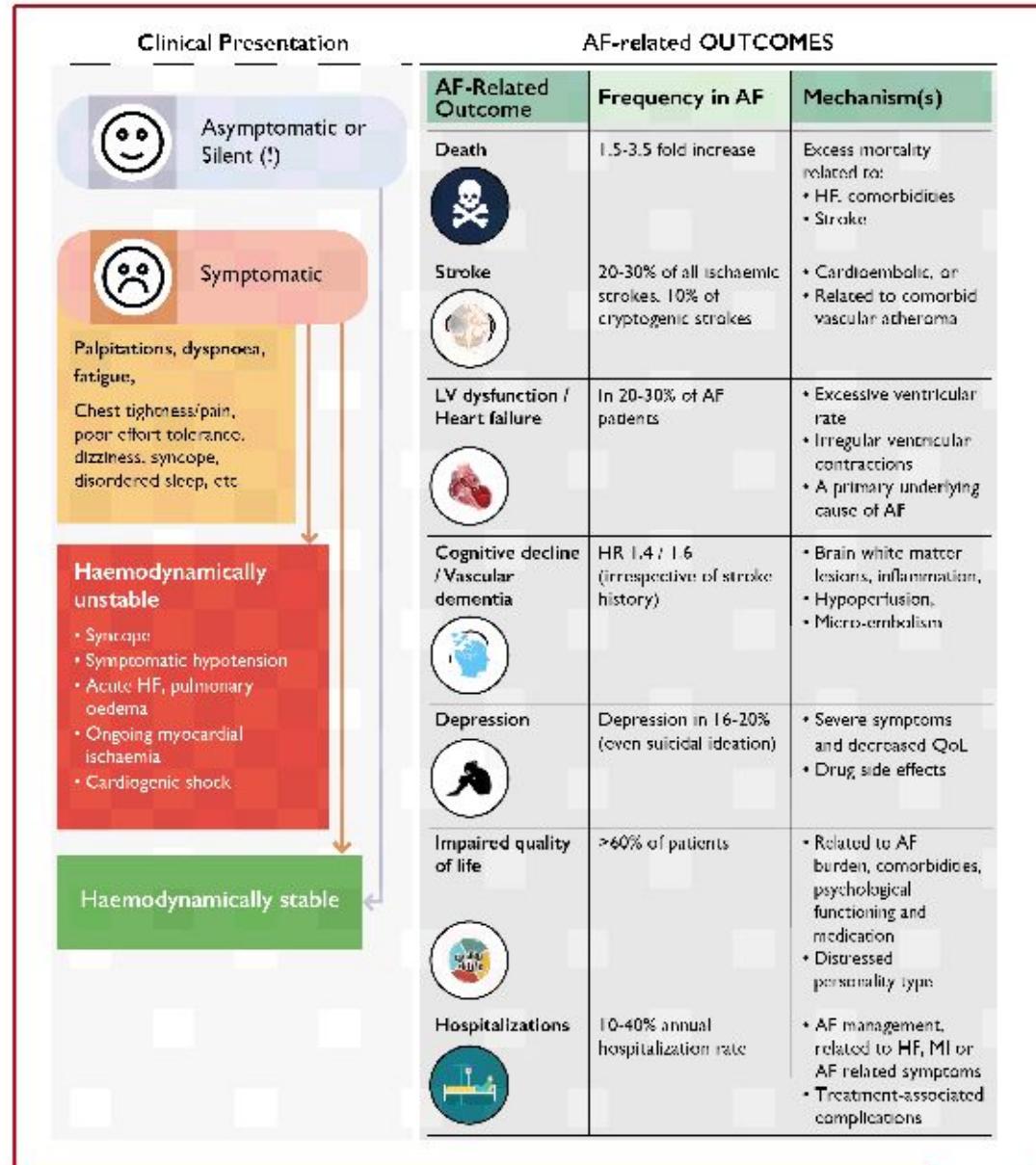
LIFETIME RISK for AF
 1 in 3 individuals

 of European ancestry
 at index age of 55 years
 37.0% (34.3% to 39.6%)

**Projected increase in AF prevalence
 among elderly in EU 2016-2060**

AF is more common in males

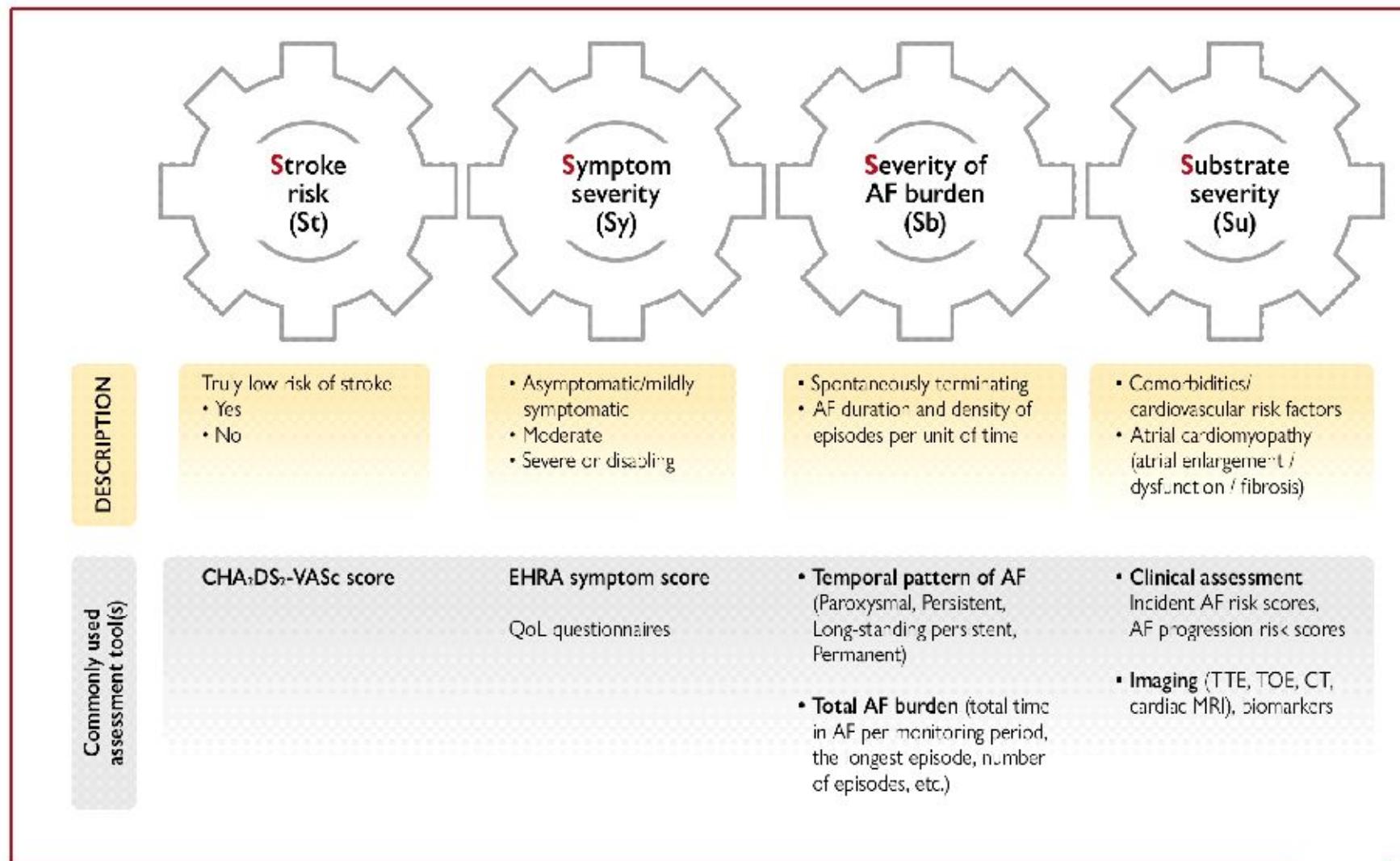
 Cumulative incidence curves and 95% CIs
 for AF in women and men with death as a competing risk

**Lifetime risk of AF increases with
 increasing risk factor burden^a**


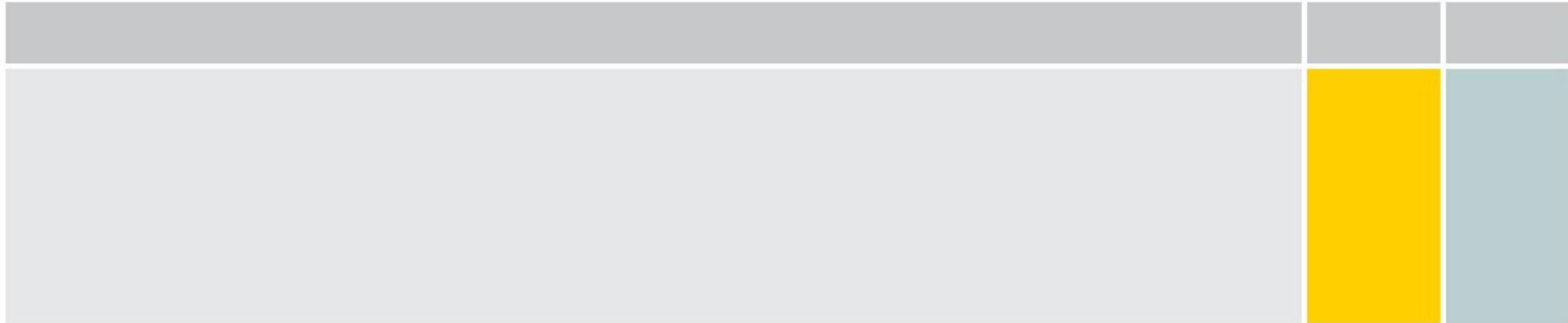


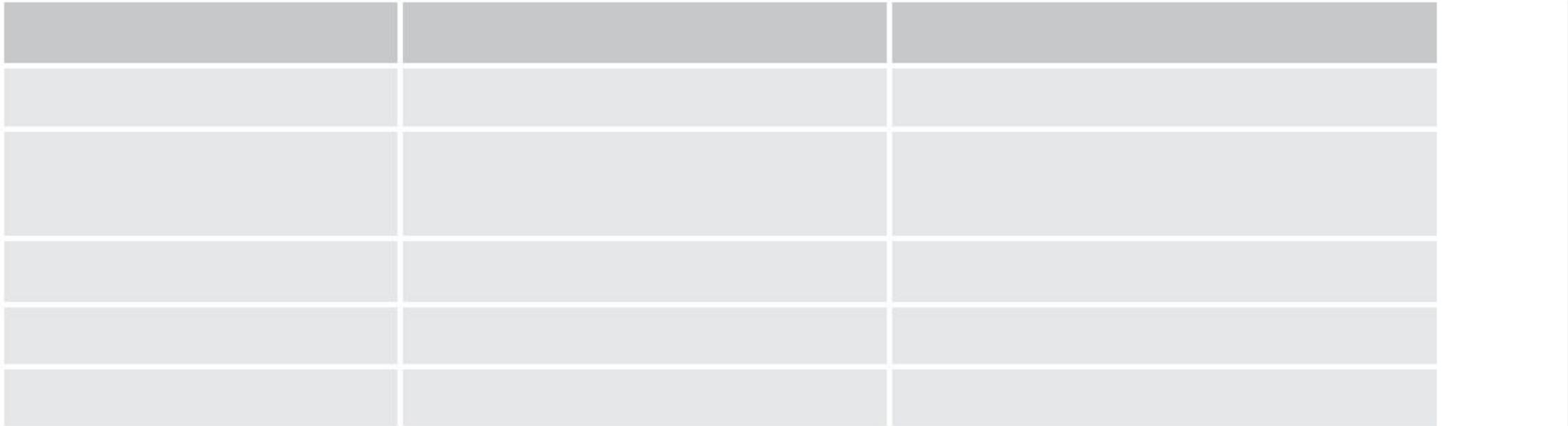






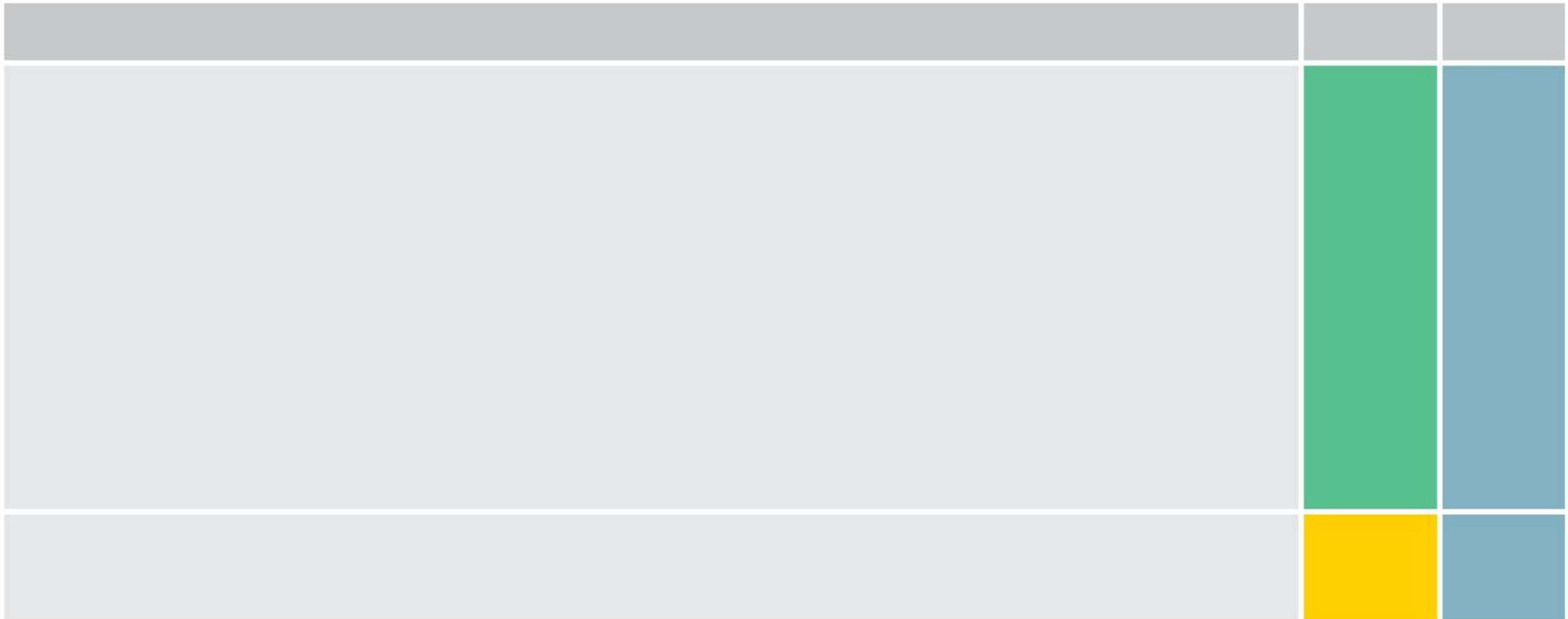


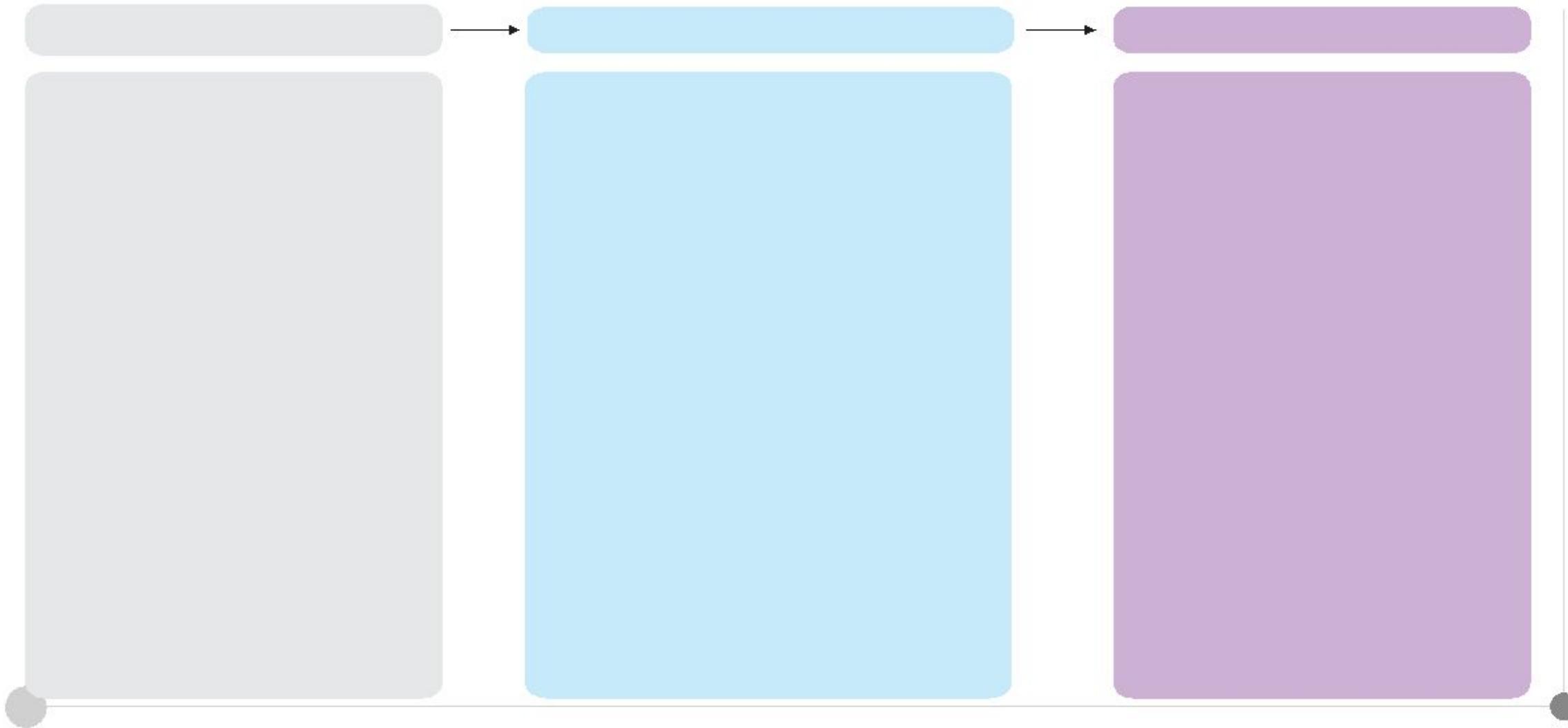


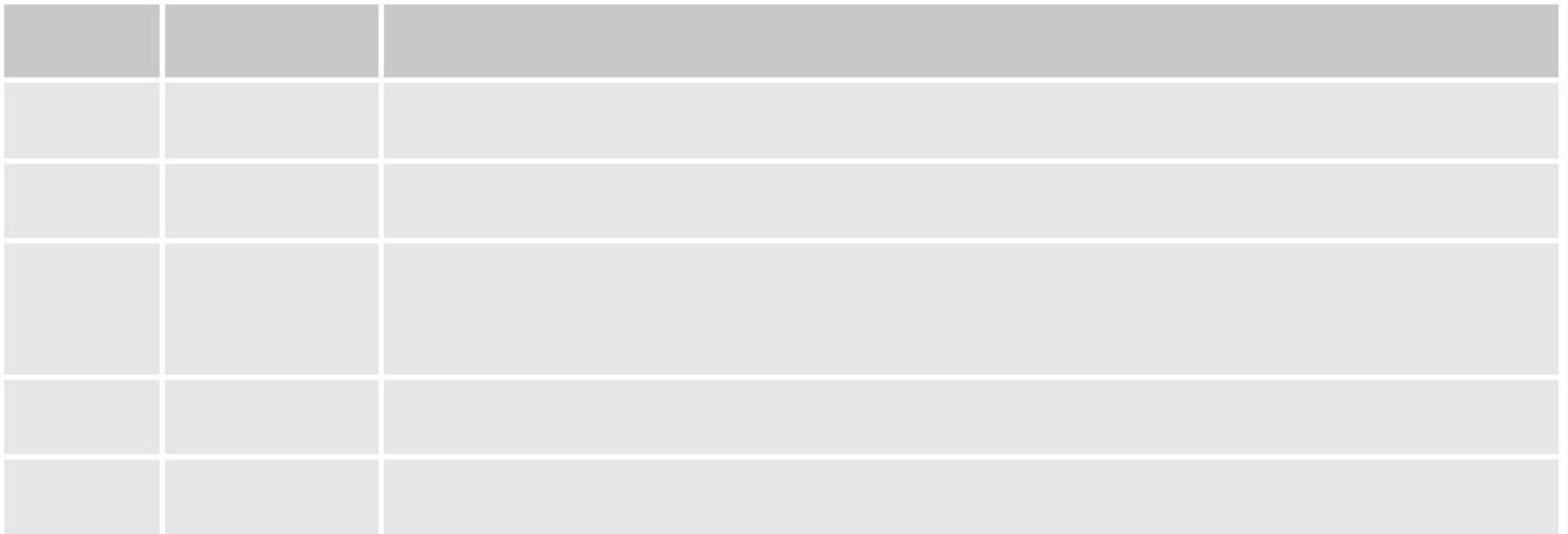












**Left atrial remodelling
associated with AF**

Anatomy

Dilatation and change in geometry

Structure

Fibrosis

Function

Altered electrophysiology,
LA reservoir, conduit and booster
pump function

LA/LAA thrombus detection

**Value of LA imaging
techniques in AF**

+

**Value of imaging
techniques in AF**

TEE and TOE

LV size, geometry and
function assessment

Cardiac CT

Heart valves morphology
and function

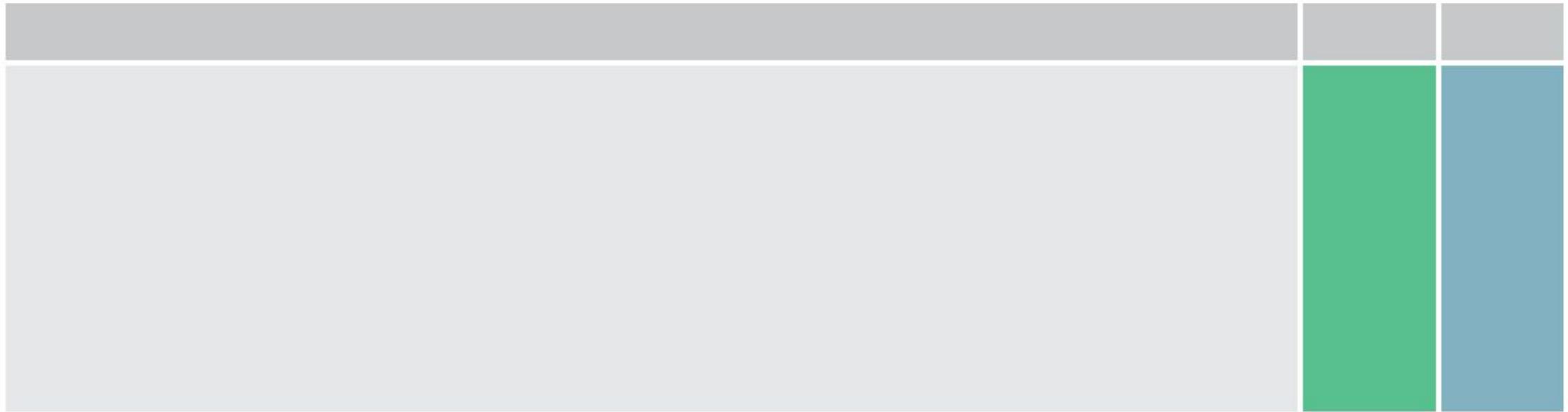
Cardiac MRI

Right-heart chambers and
pericardium imaging

EP mapping

Advanced/Investigation imaging:

- Echocardiographic TDI and LA strain, etc.
- MRI delayed enhancement or T1 imaging
- CT imaging of substrate, etc.



INTEGRATED AF MANAGEMENT



Patient-centred

Optimised stroke prevention

Symptom control with rate or rhythm control

Management of cardiovascular risk factors/comorbidities

Patient education/self-management
(including personal goals and/or action plan,
exacerbation management)

Healthcare professional education

Lifestyle modification
(i.e., smoking cessation, dietary intervention
to lose weight, exercise)

Psychosocial management
(cognitive behavioural therapy, stress management,
other psychological assessment and/or treatment)

Strategies to promote medication adherence

Multidisciplinary team approach

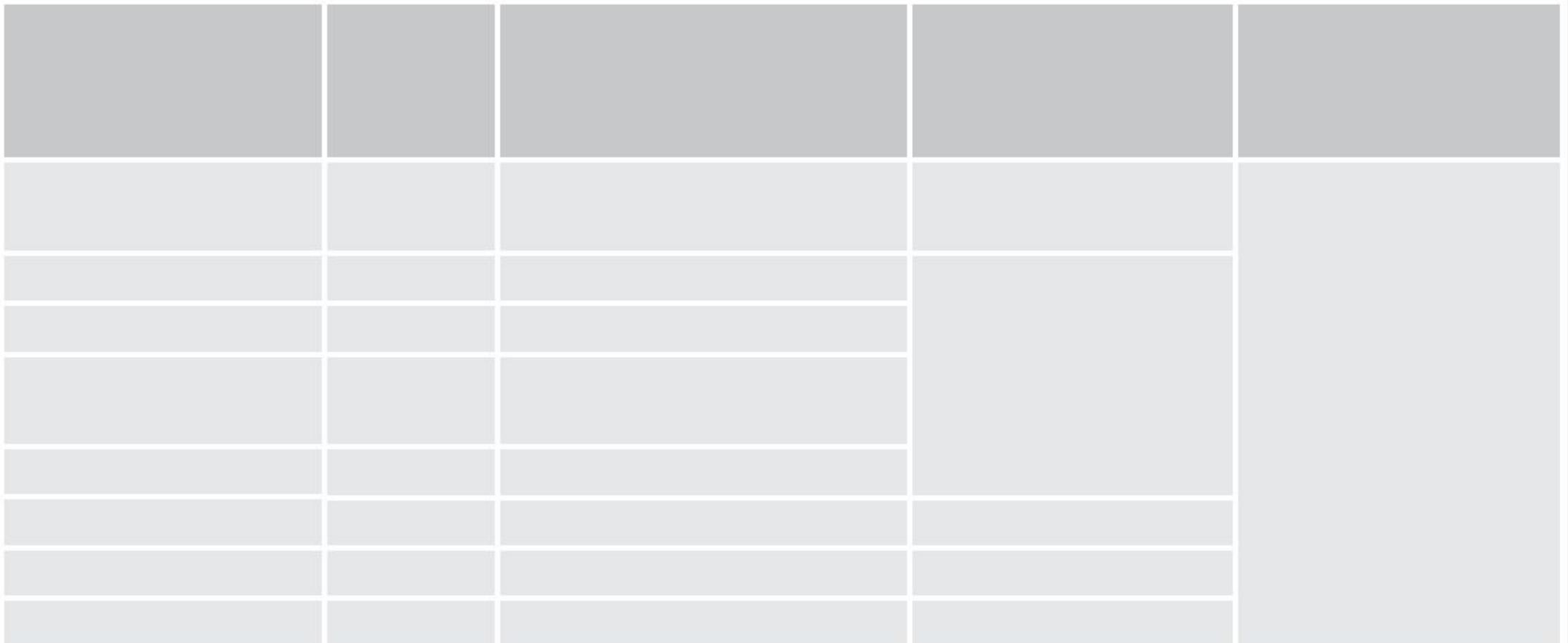
Active participation and formation of teams of HCPs from different disciplines; integration of services; MDT meeting (as needed)

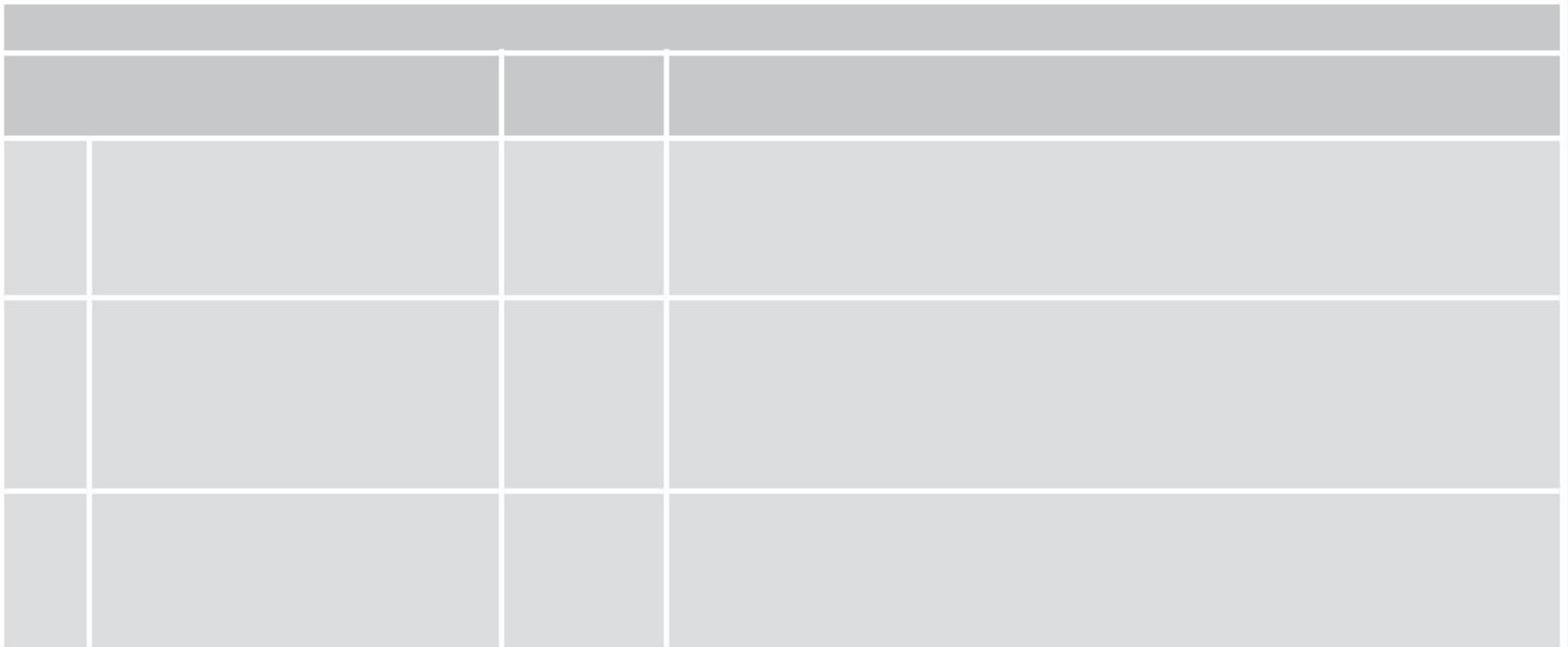
Structured follow-up and clear communication between primary and secondary care

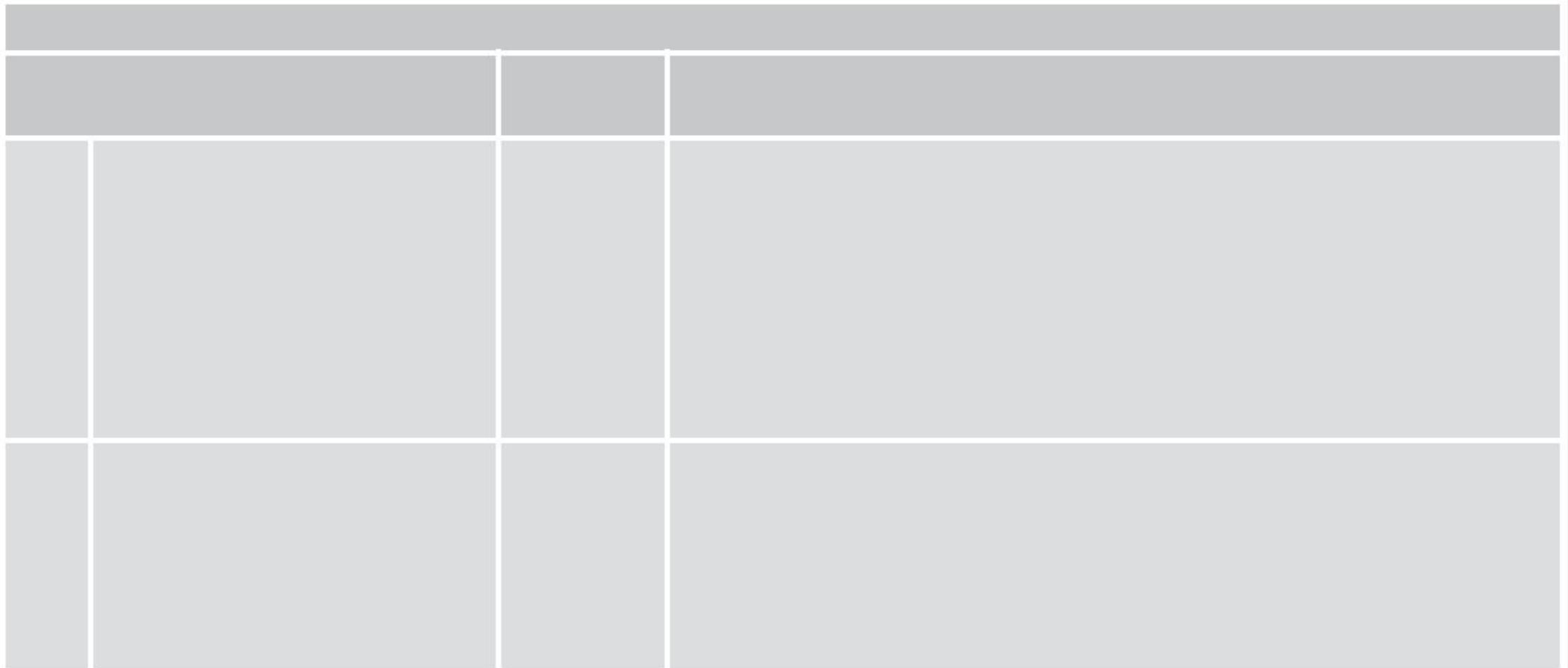


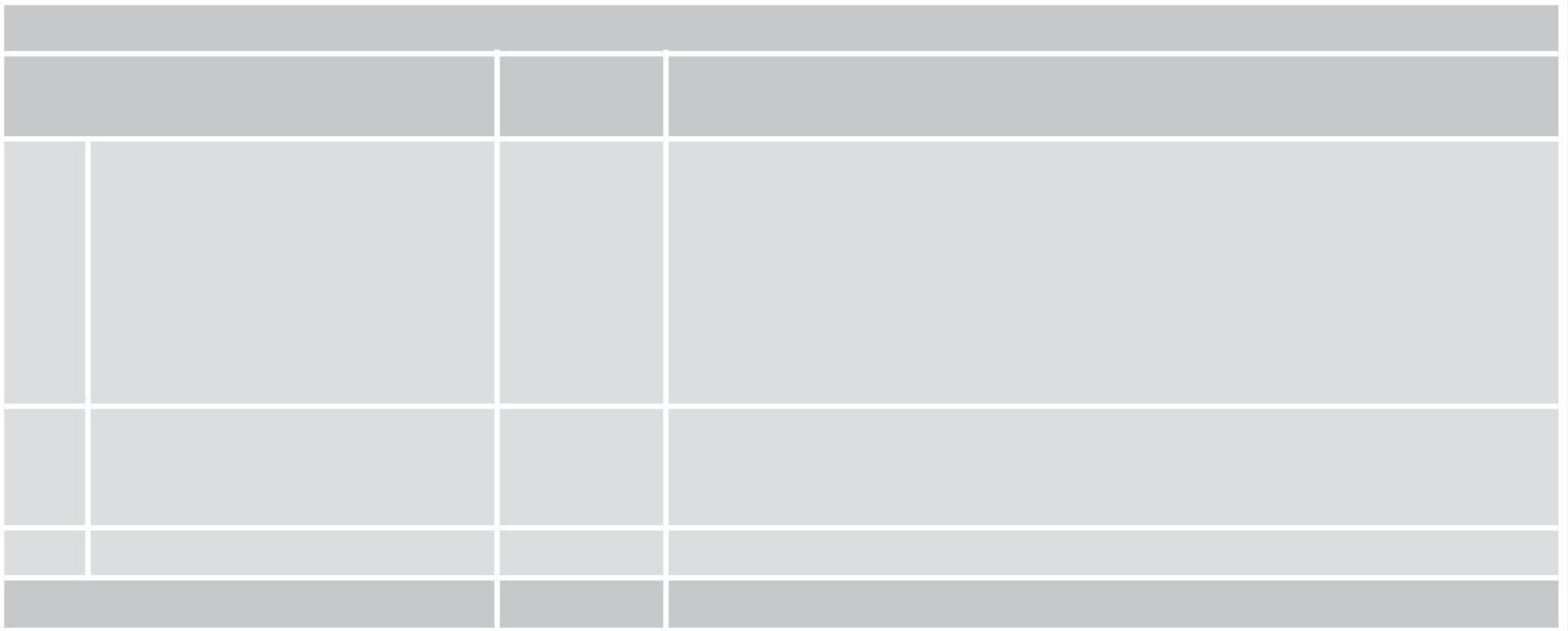
Physiologist

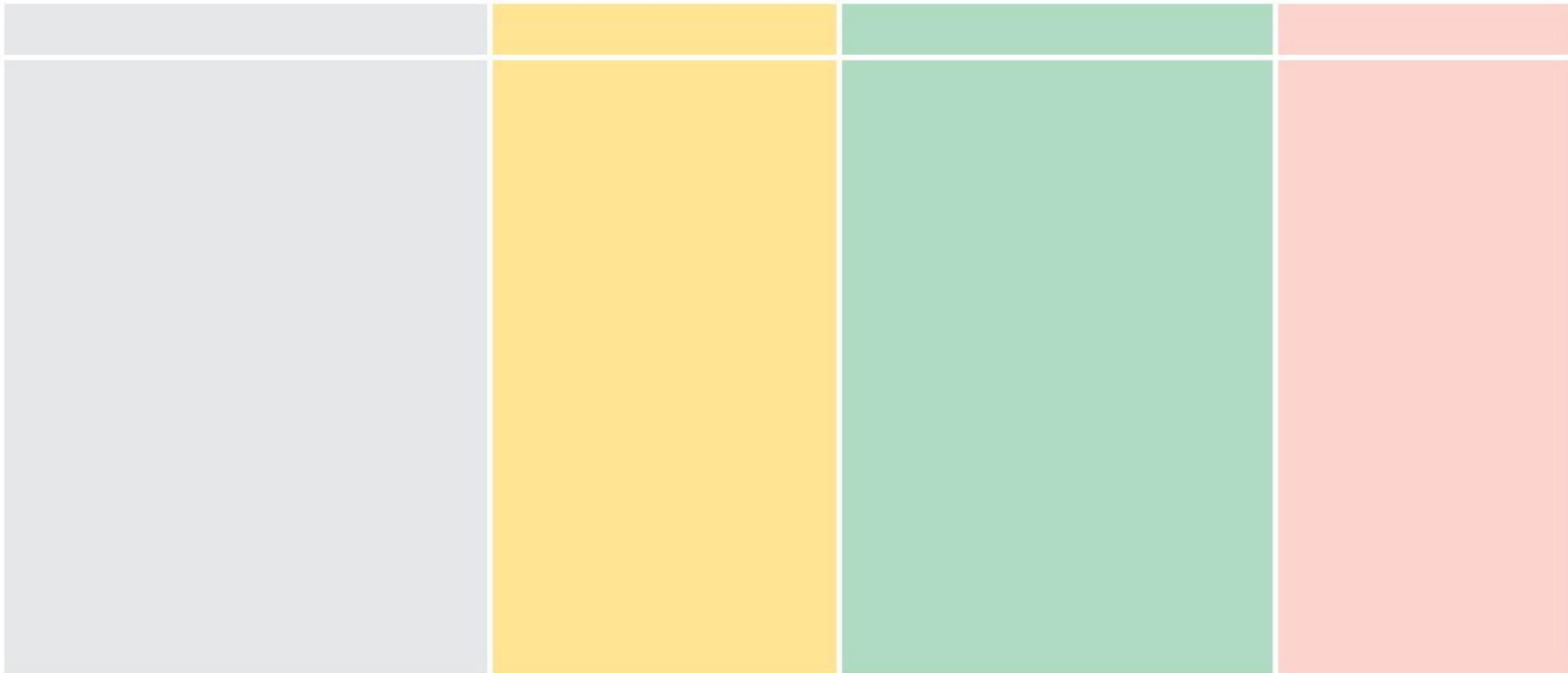




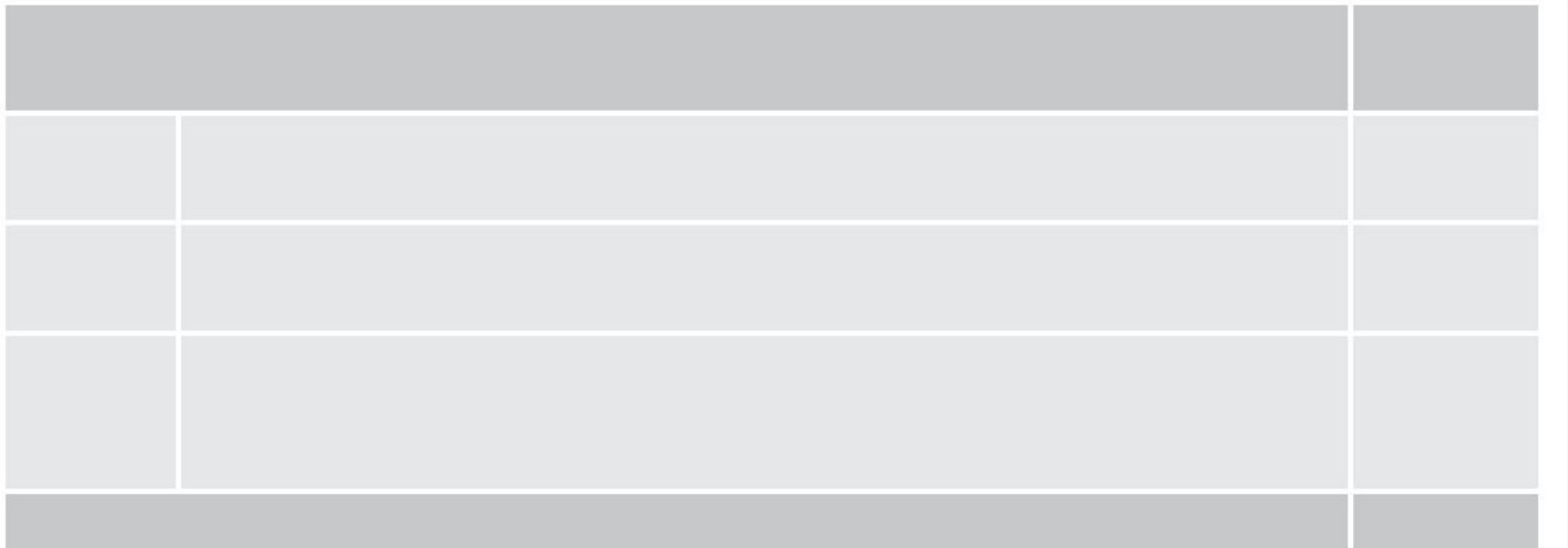


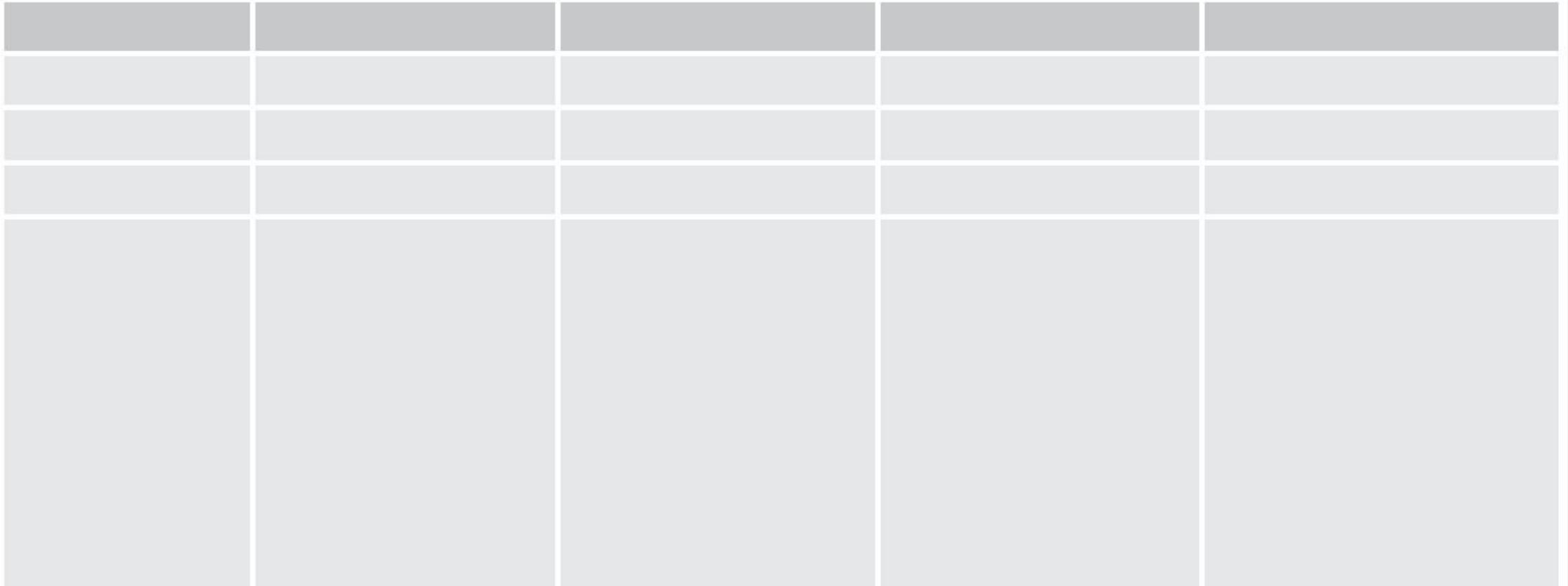


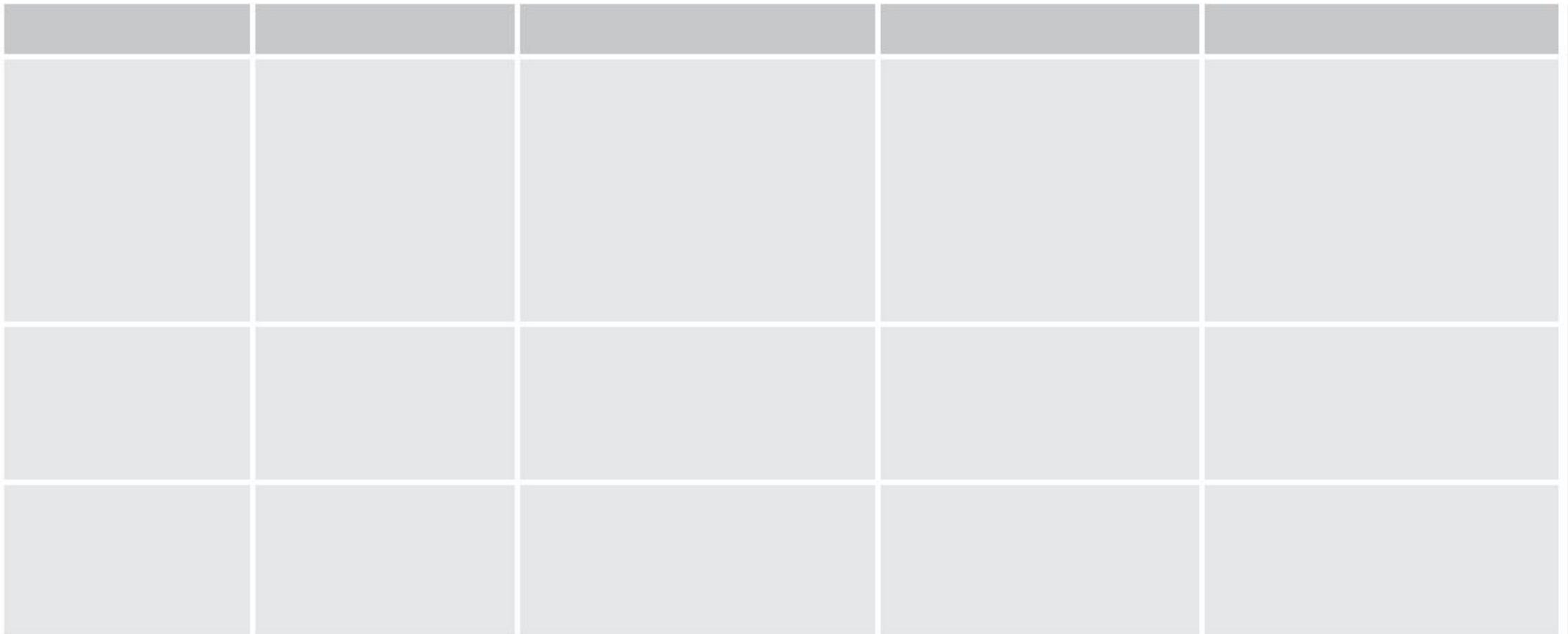






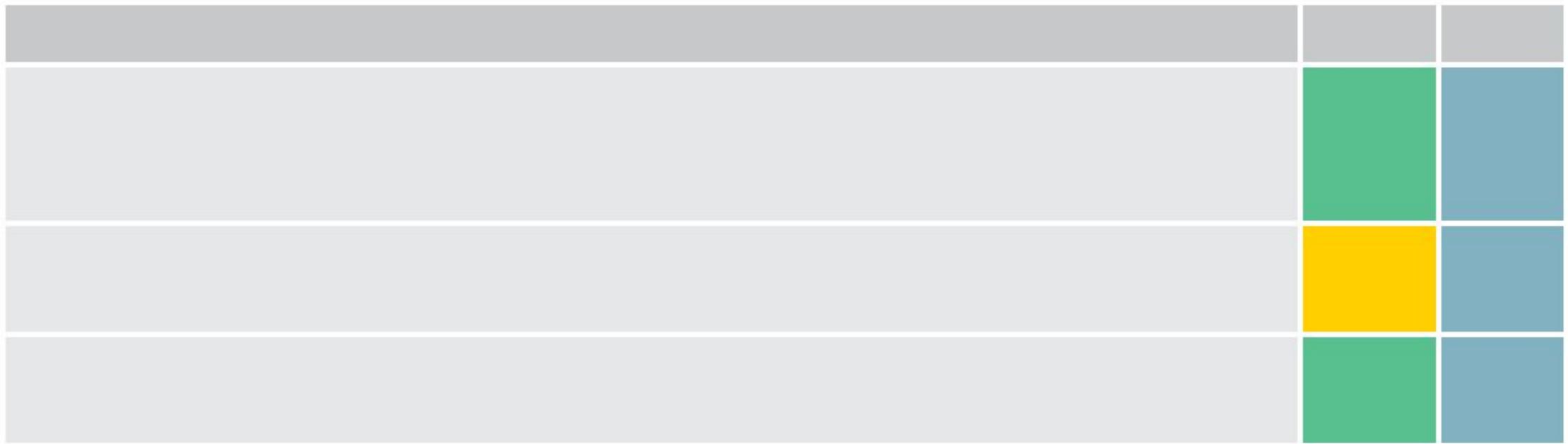


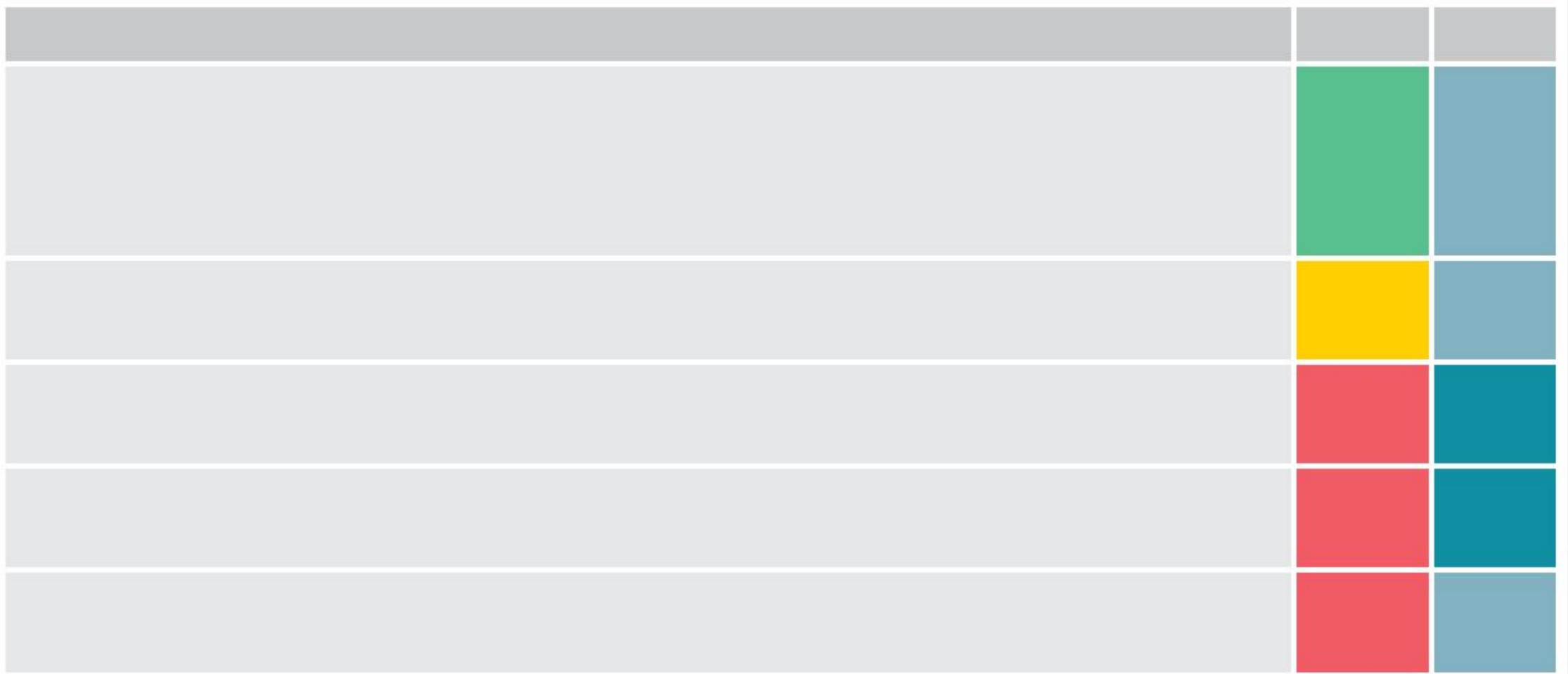






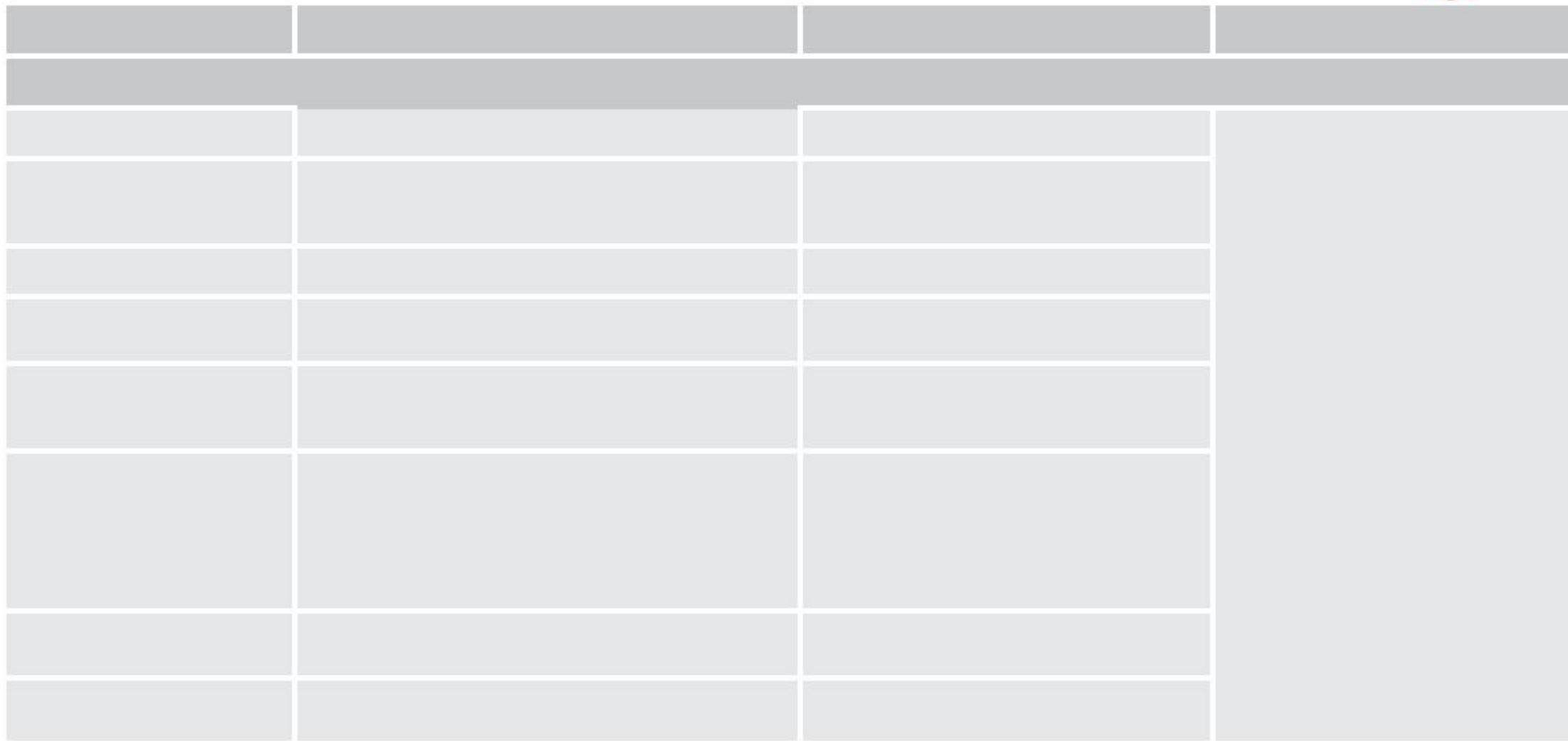


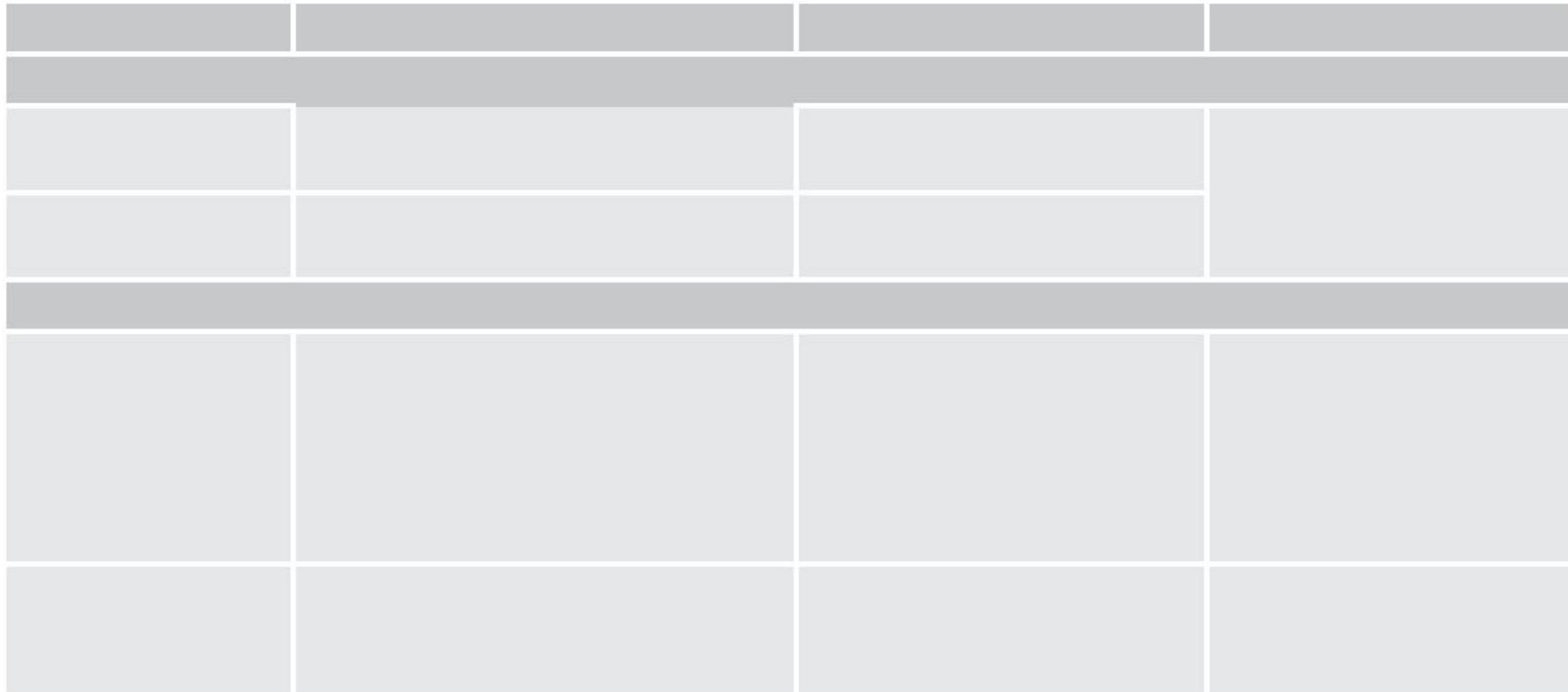


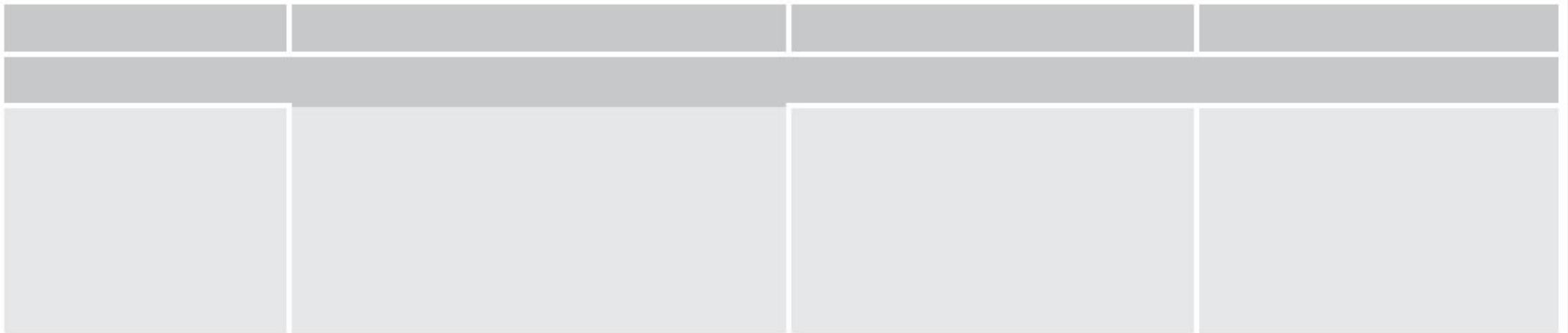


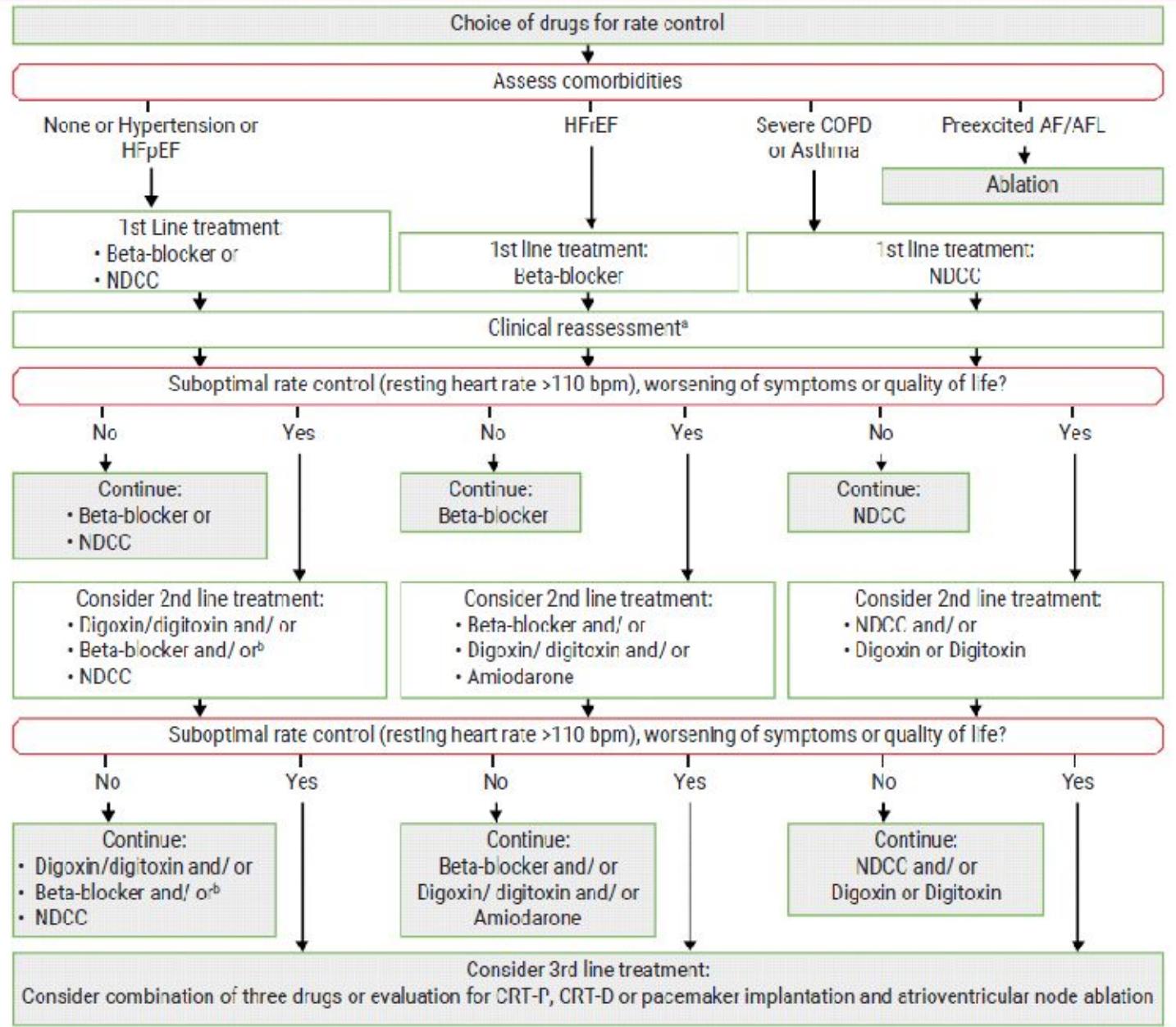


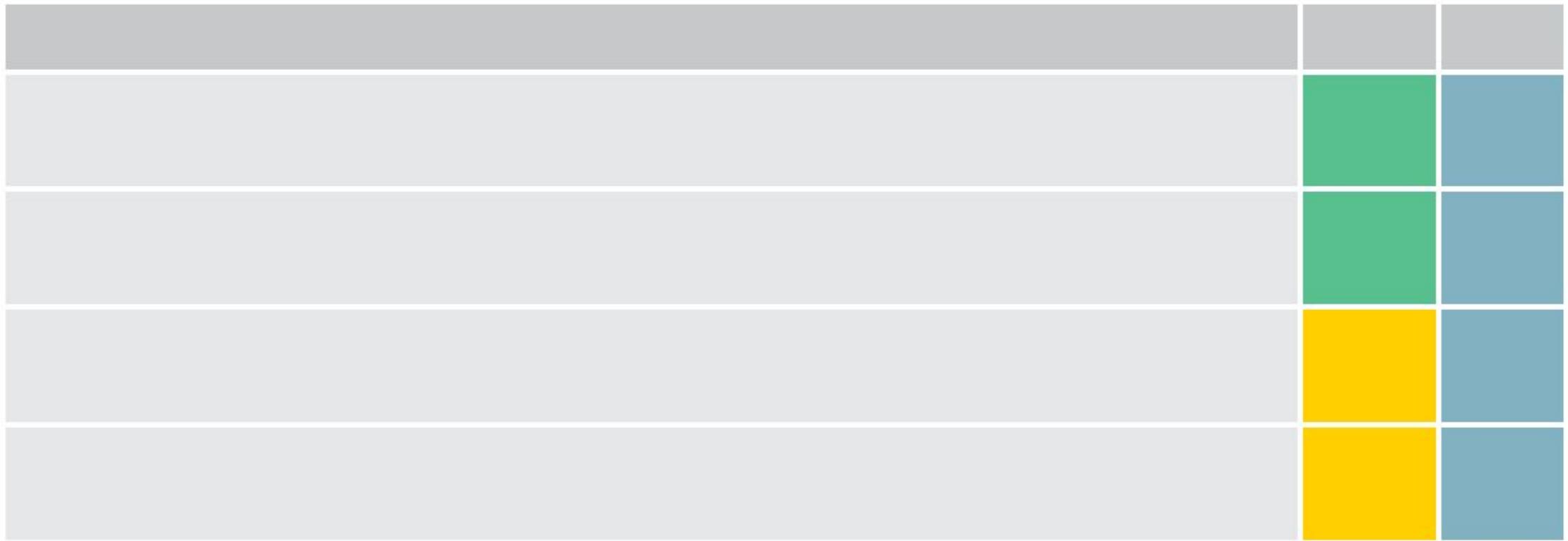






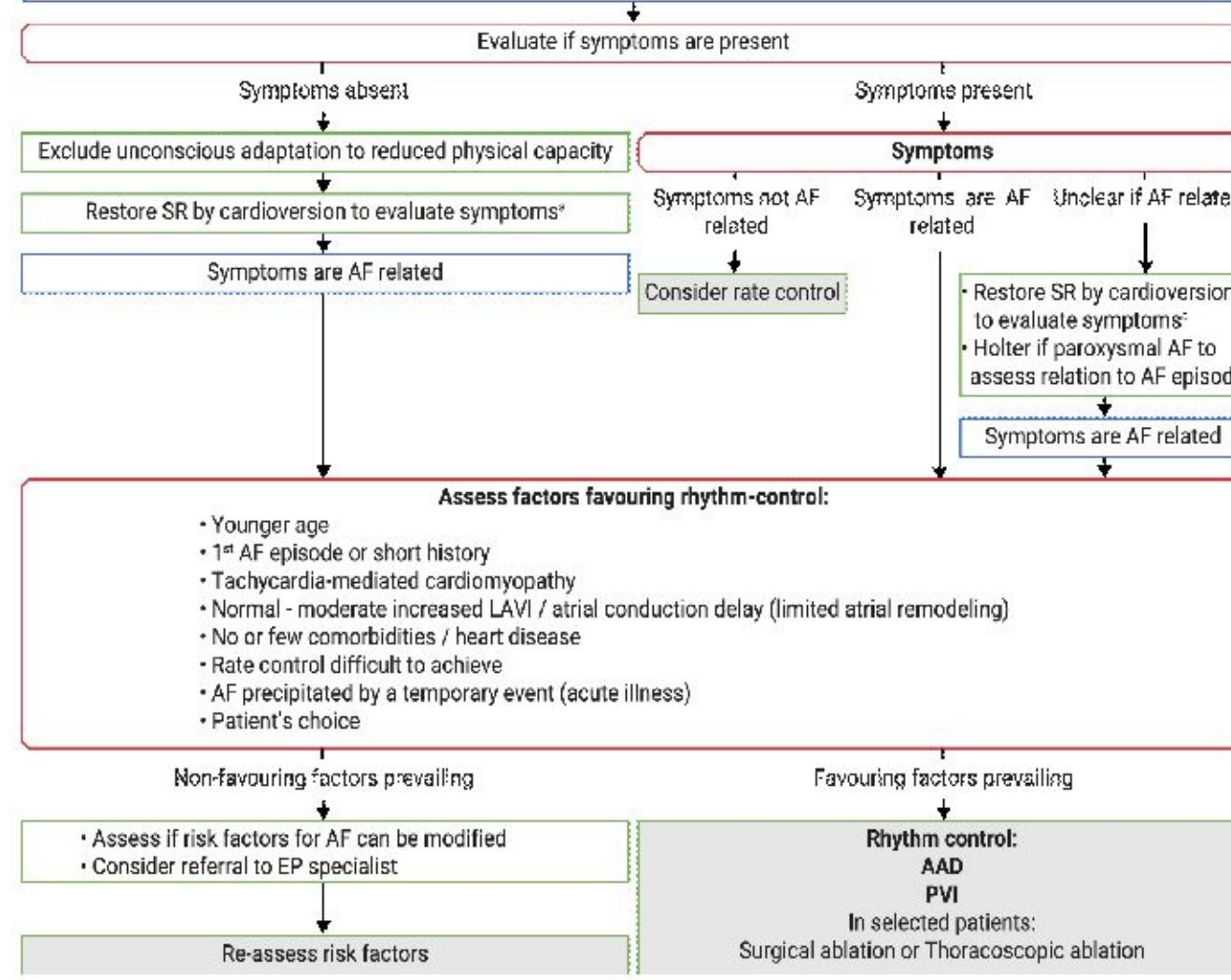


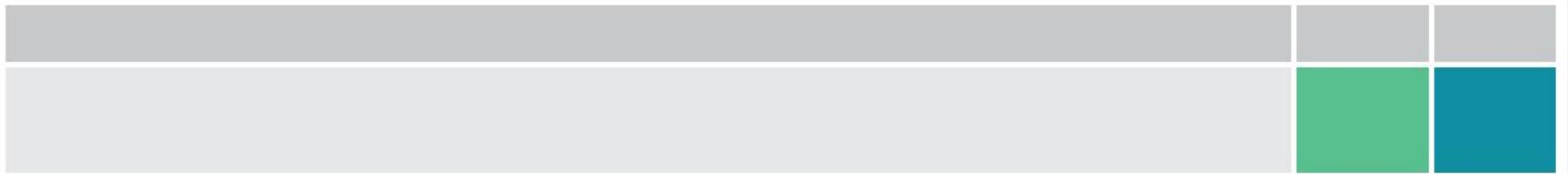


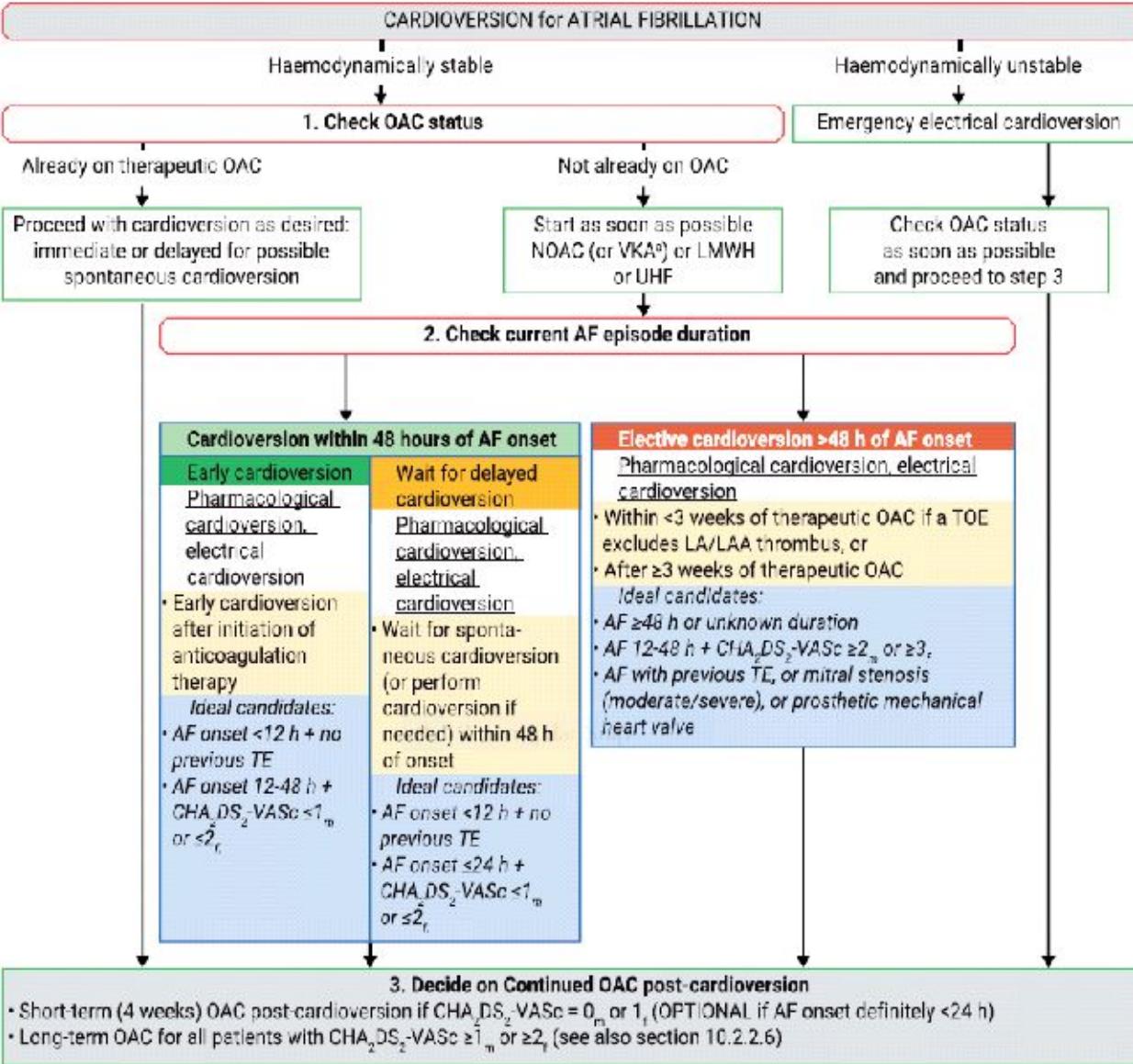


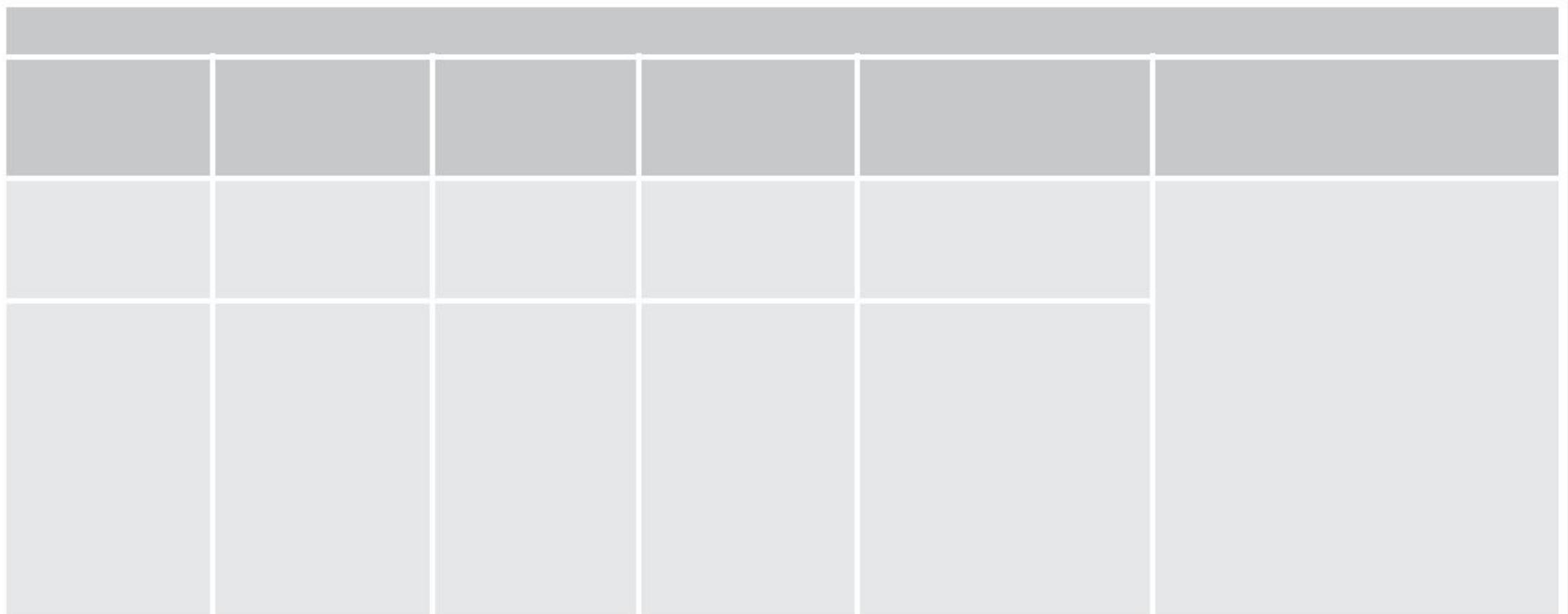


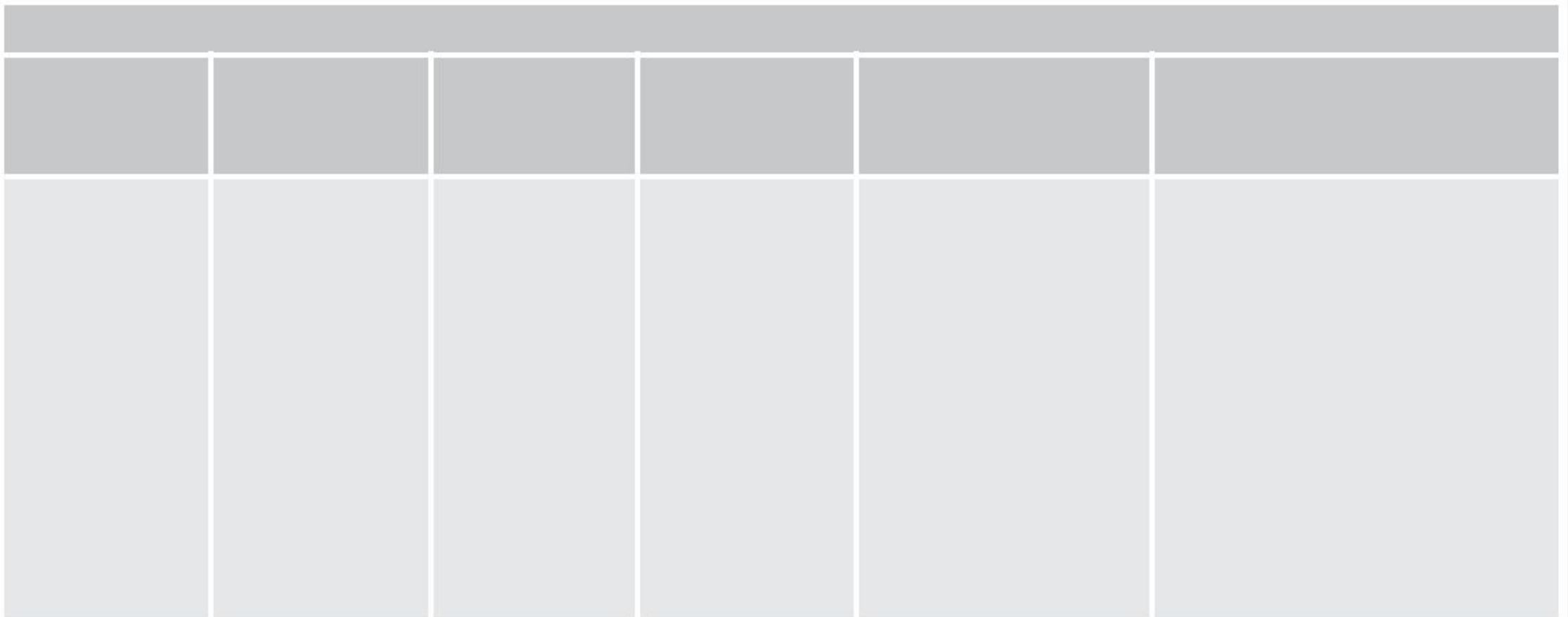
Rhythm control strategy to reduce AF related symptoms – improve QoL
Confirm: **Stroke prevention; Rate control; Cardiovascular risk reduction** (comprehensive cardiovascular prophylactic therapy – upstream therapy, including lifestyle and sleep apnoea management)

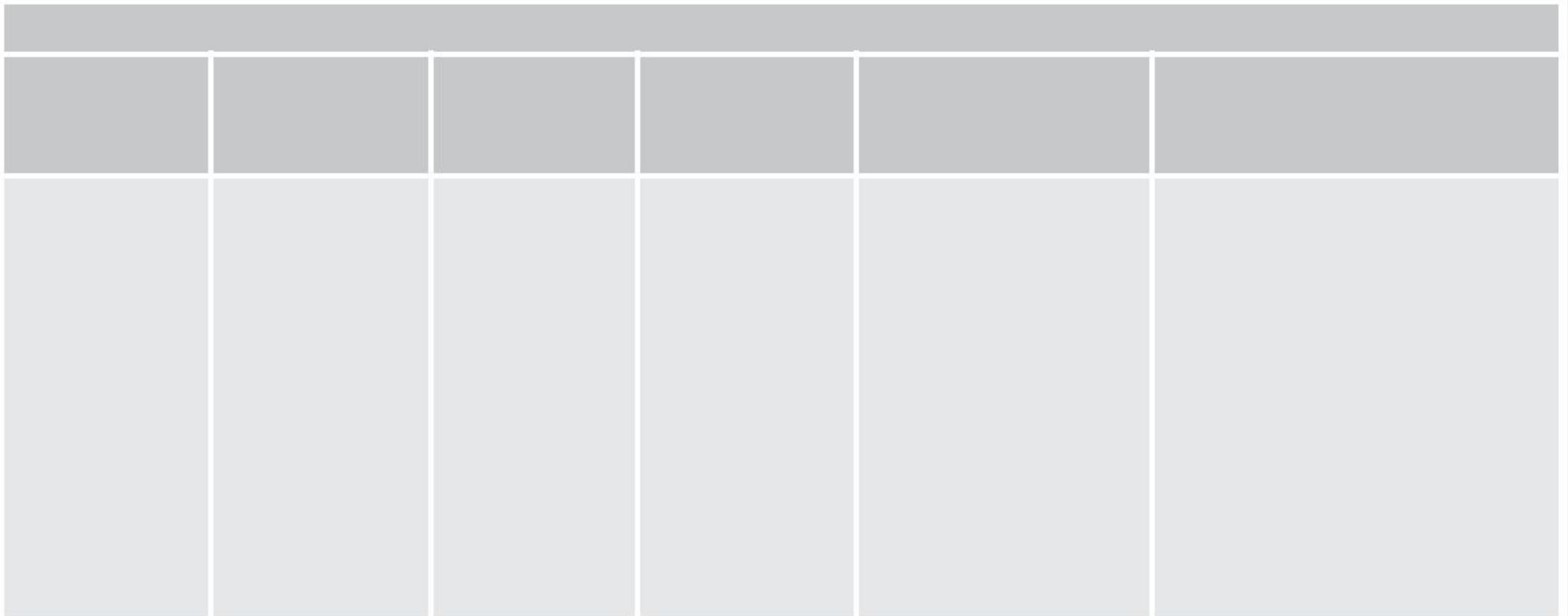


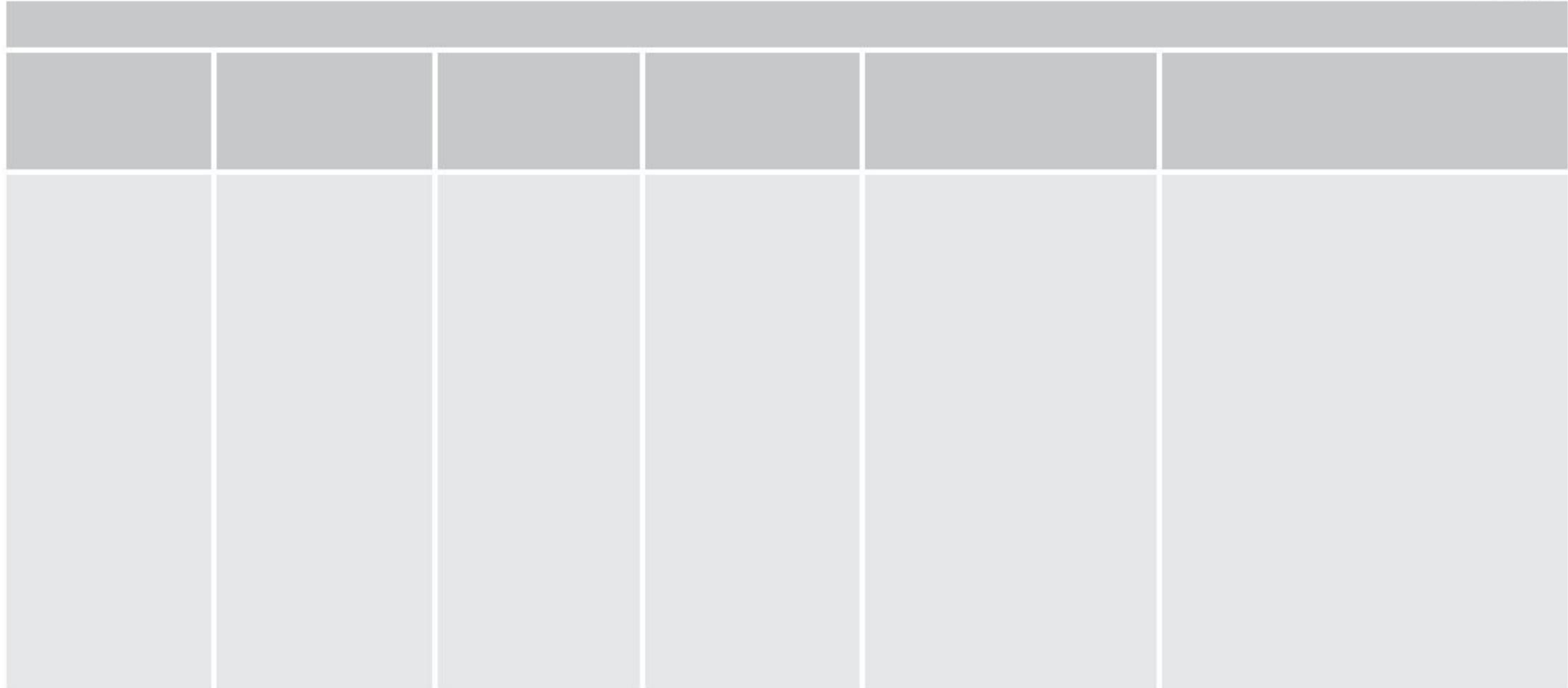


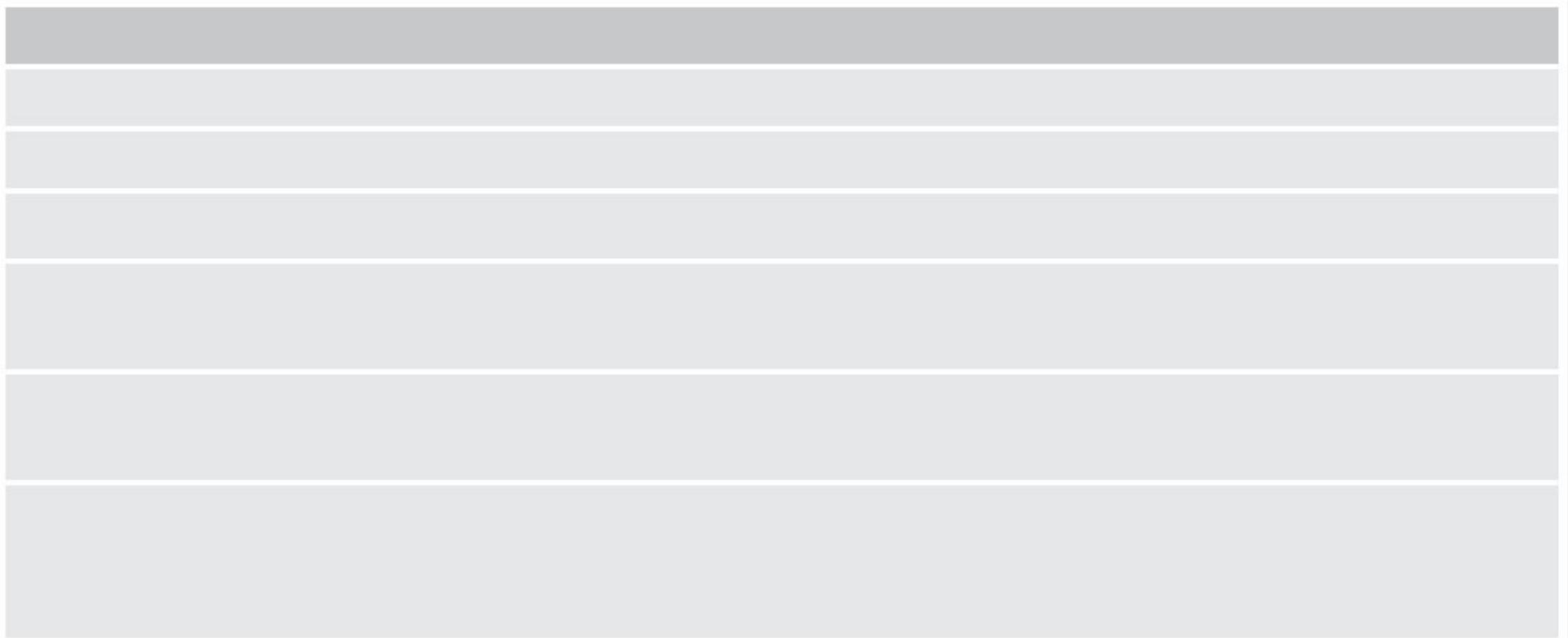


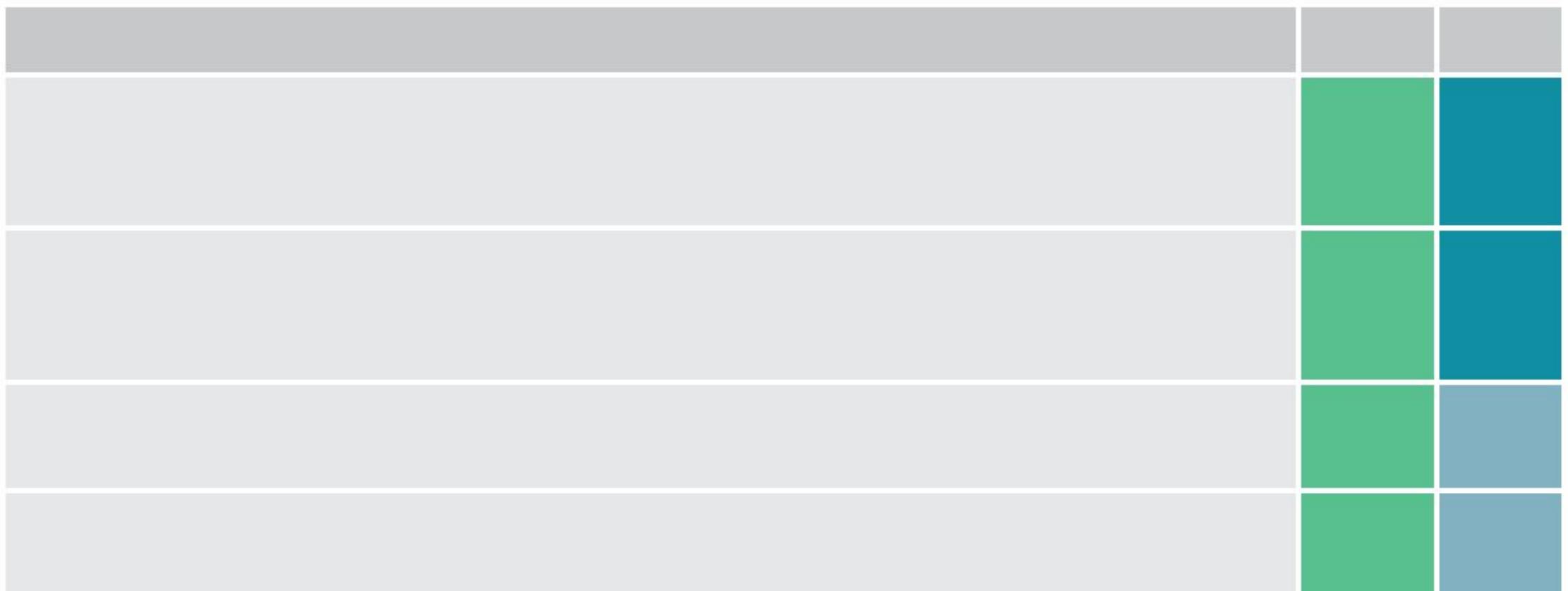




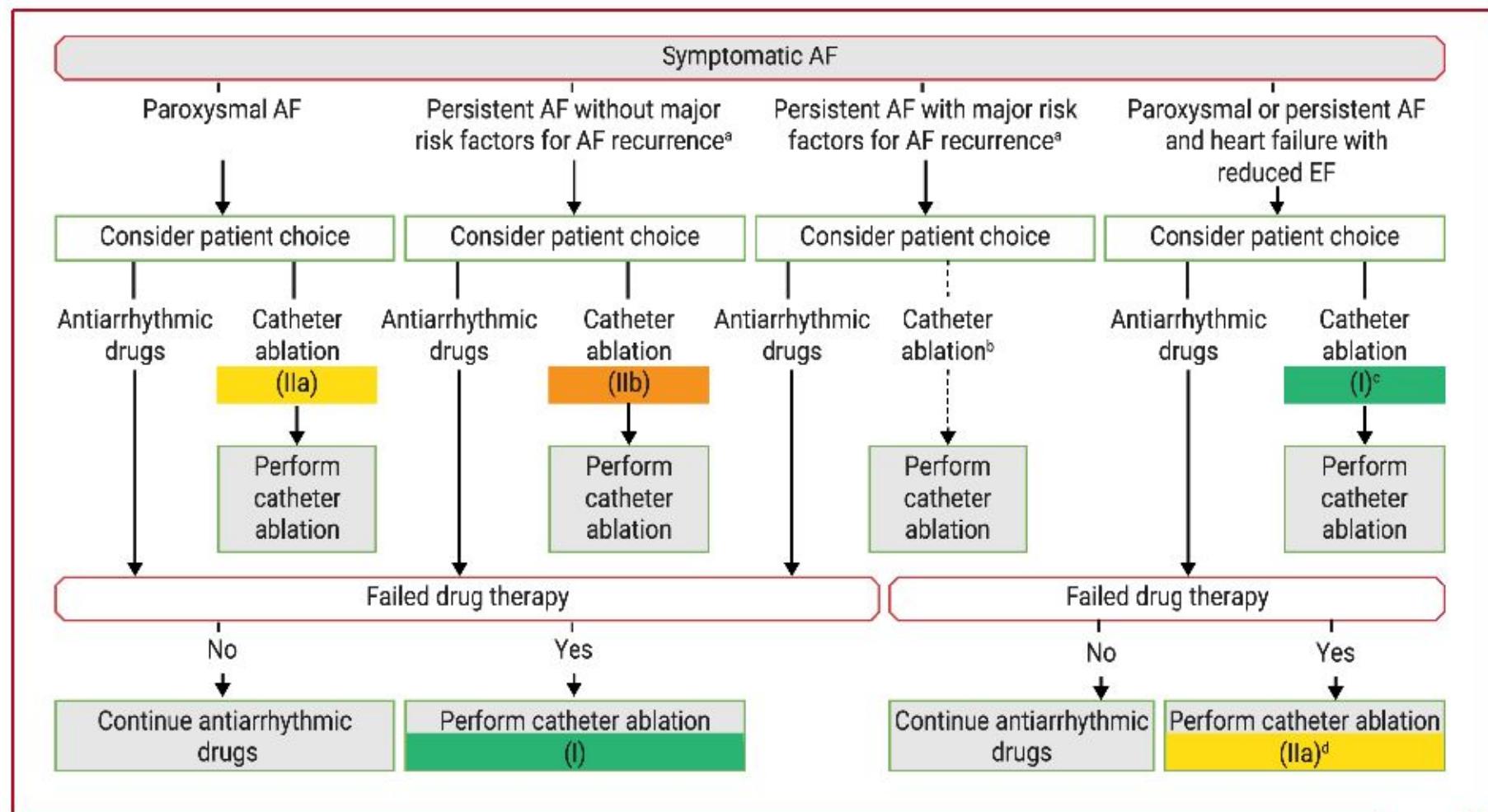


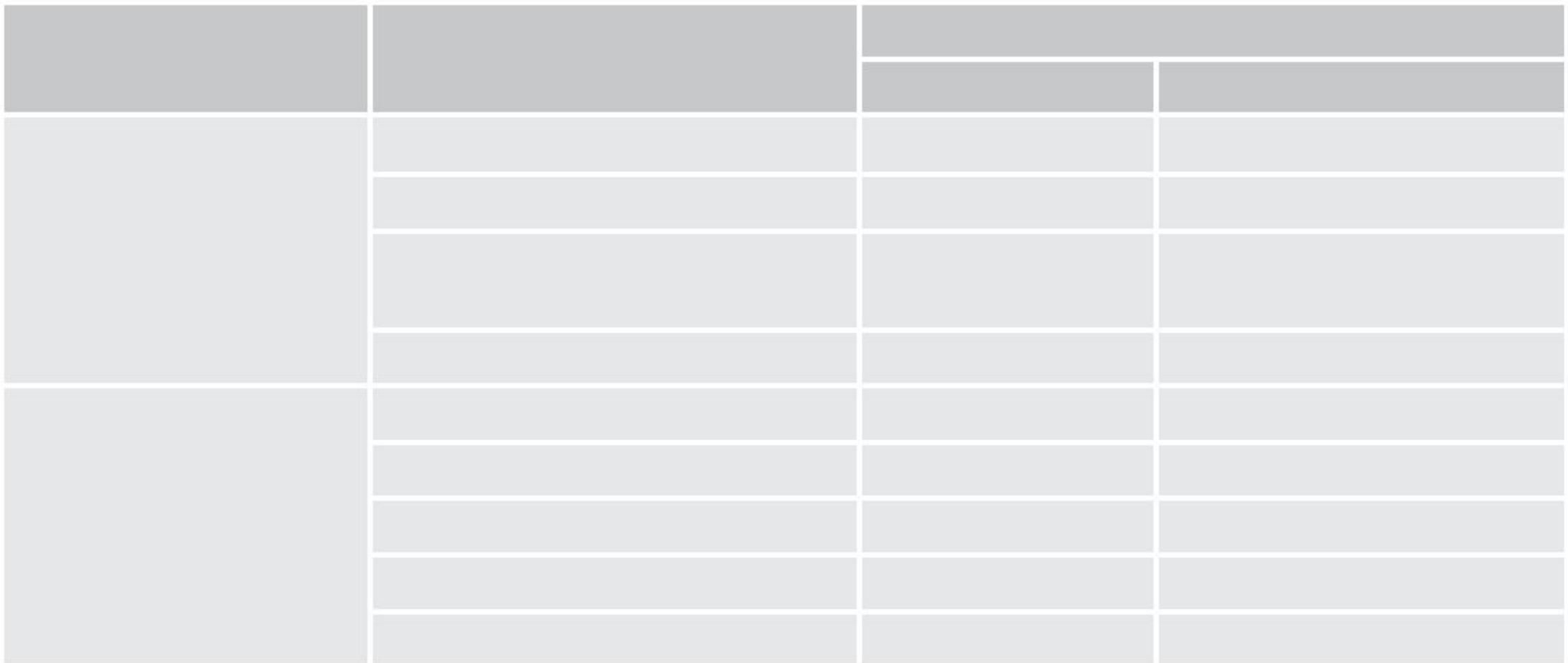


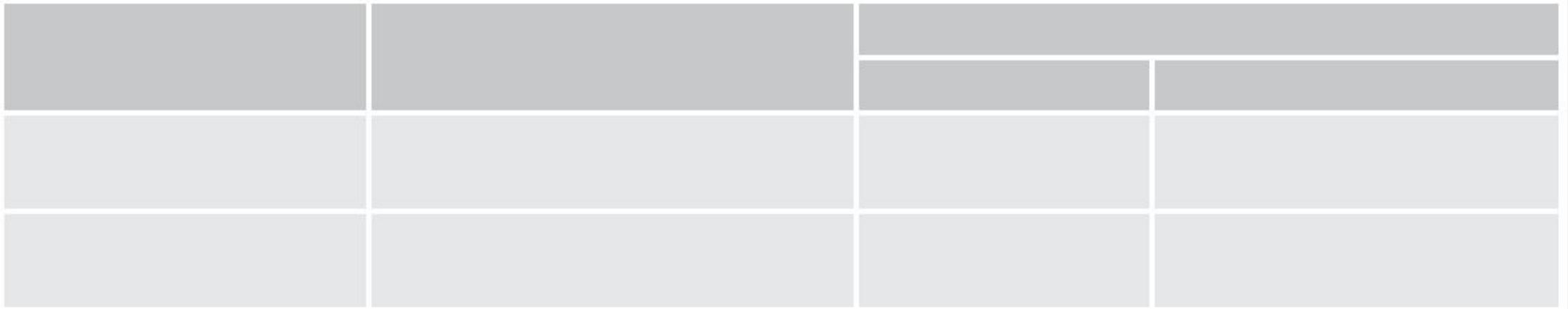




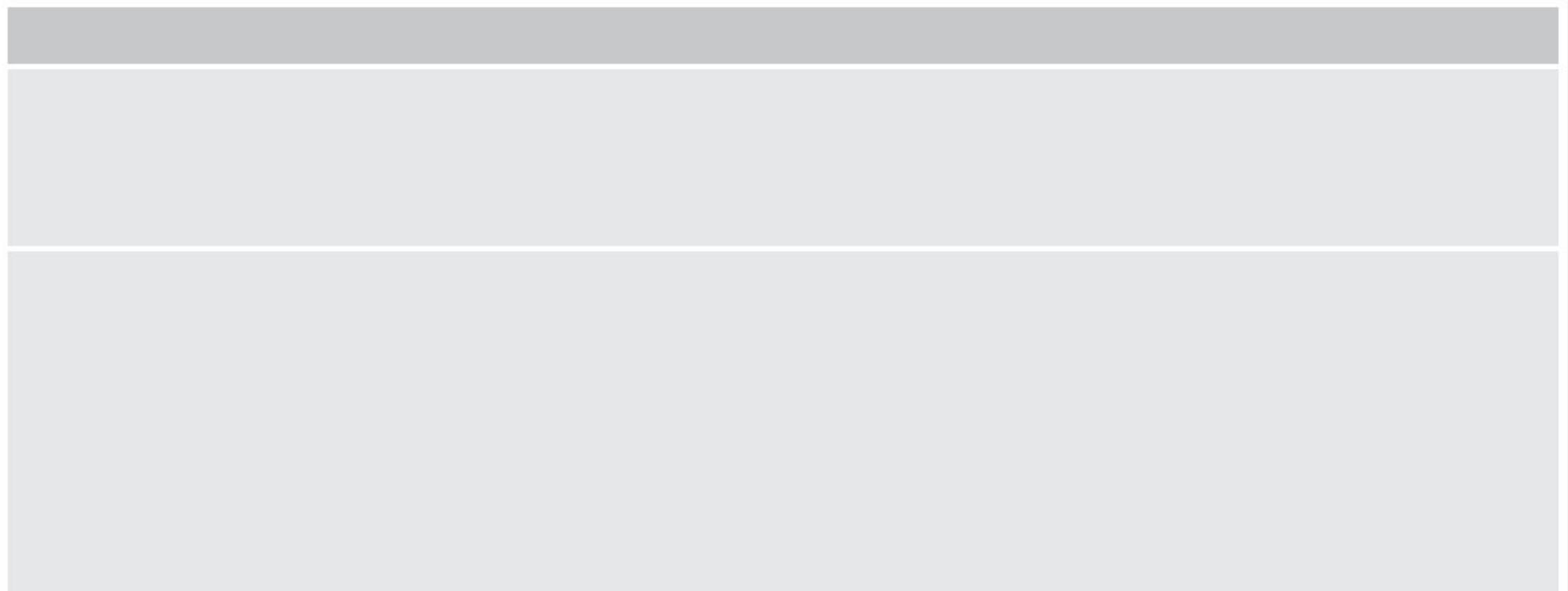


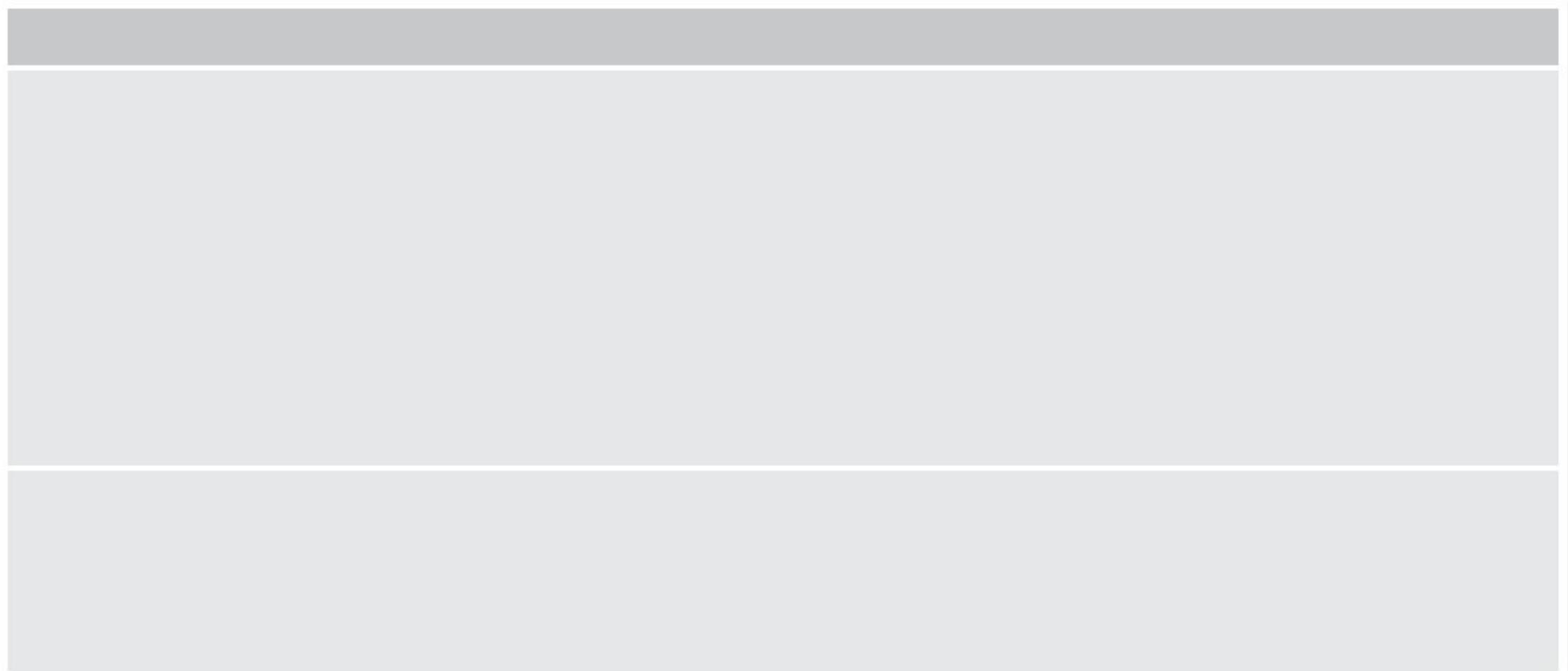


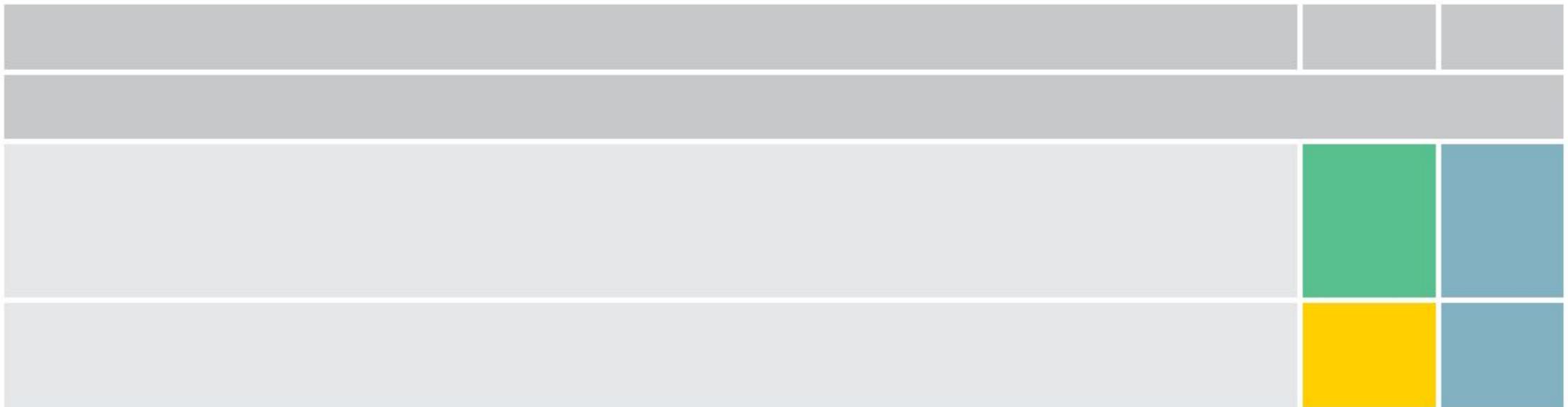


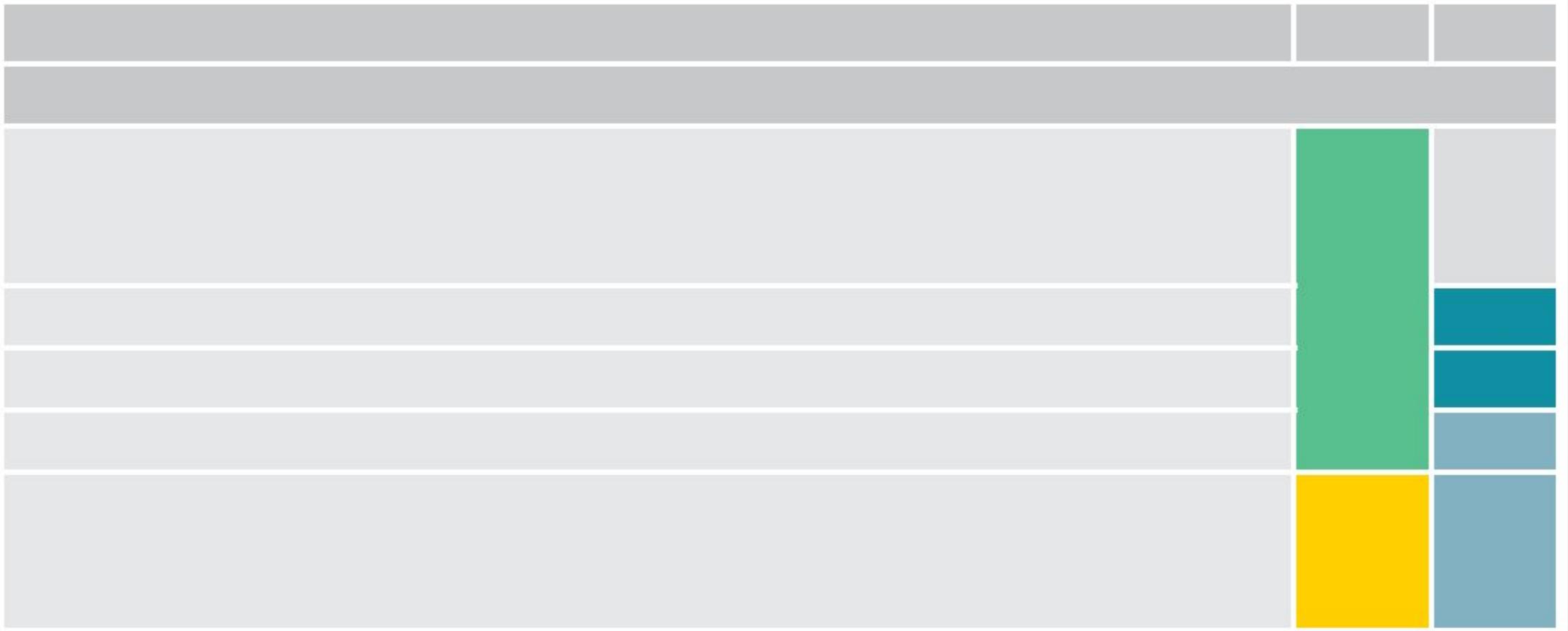


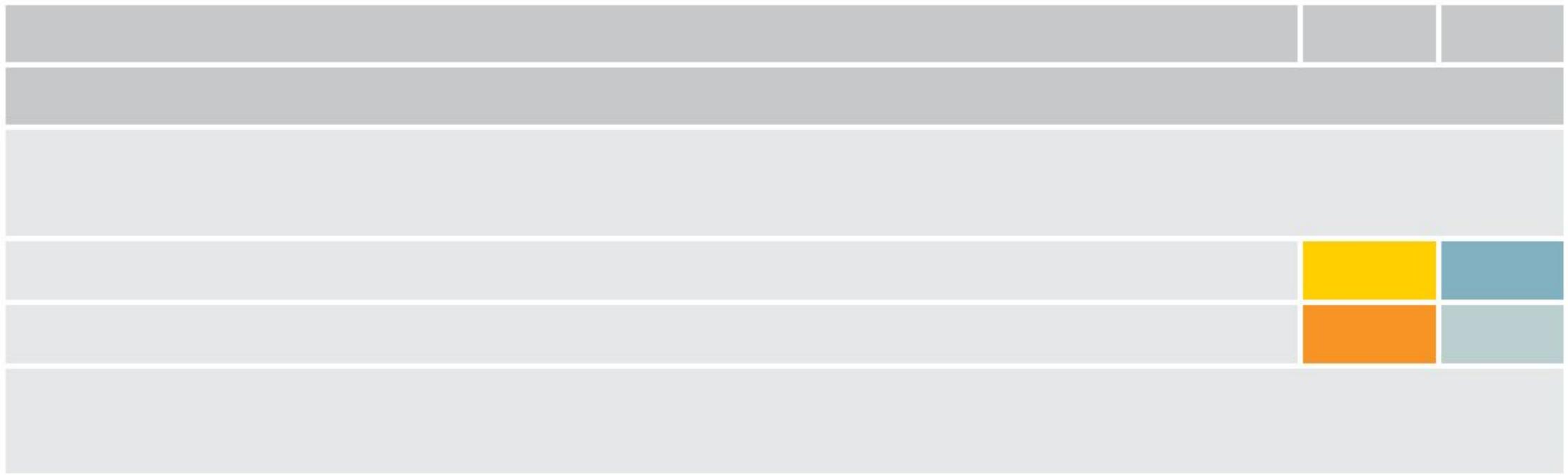


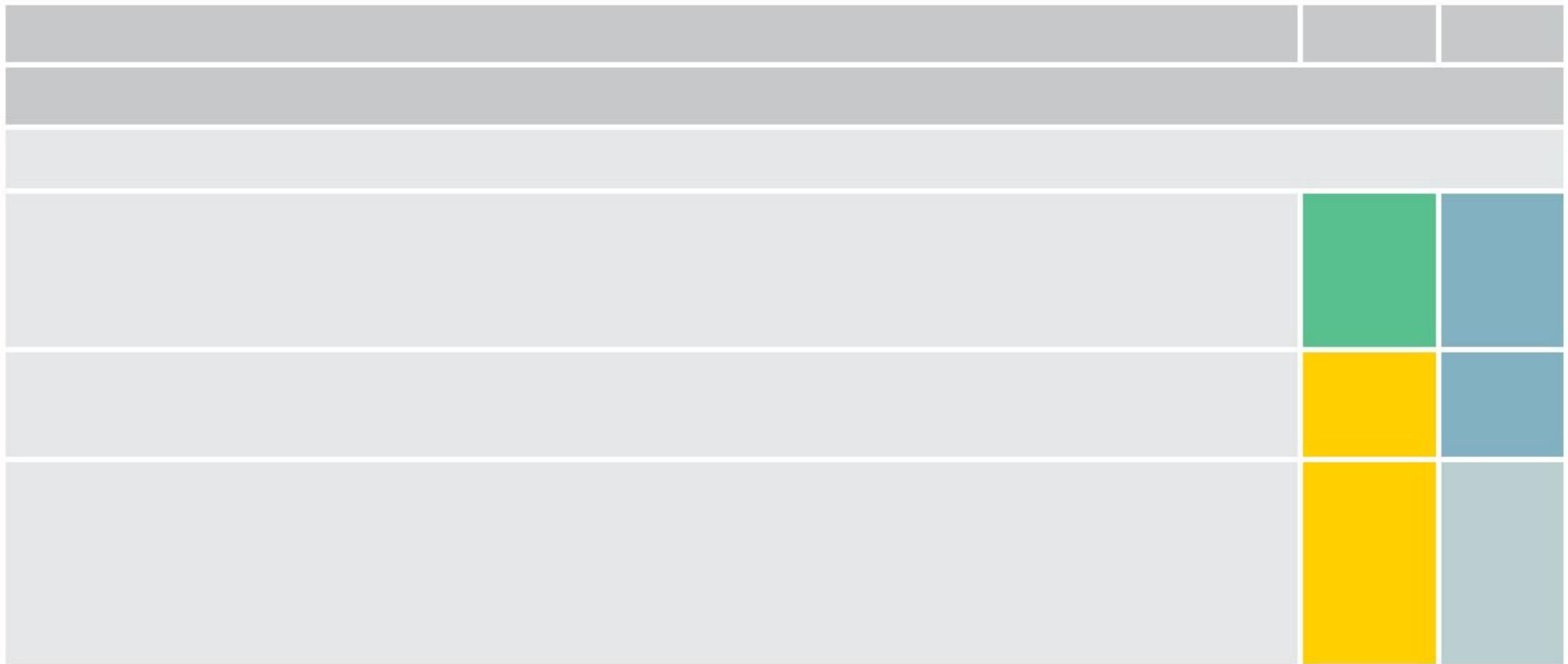


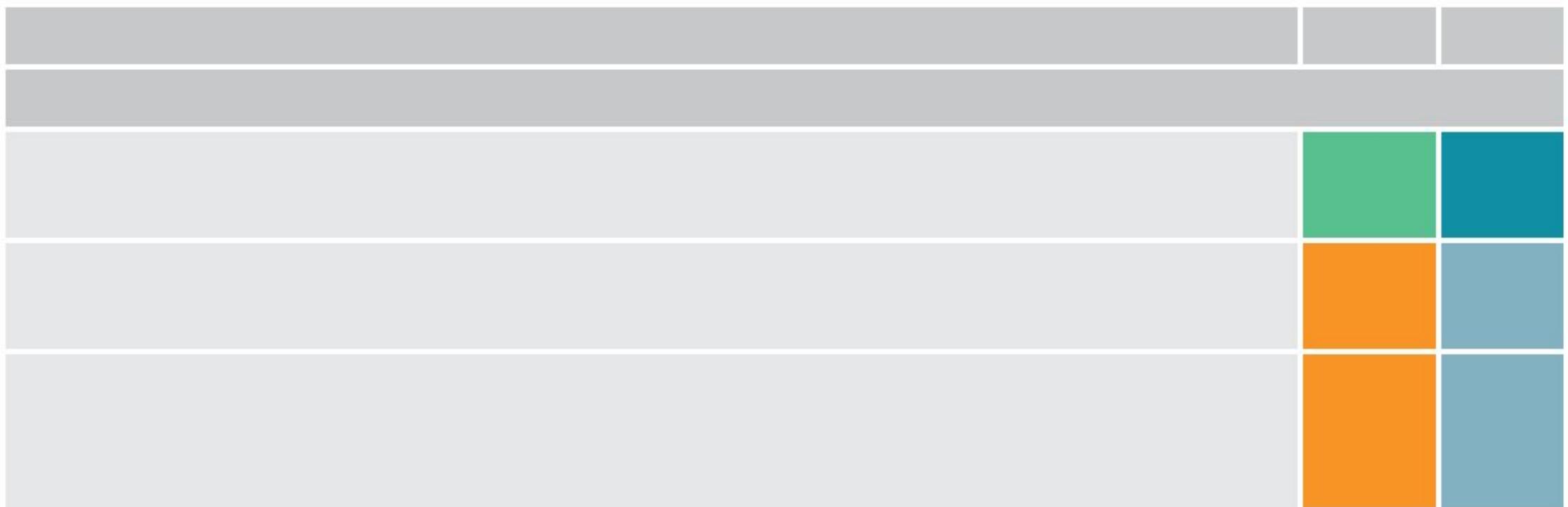


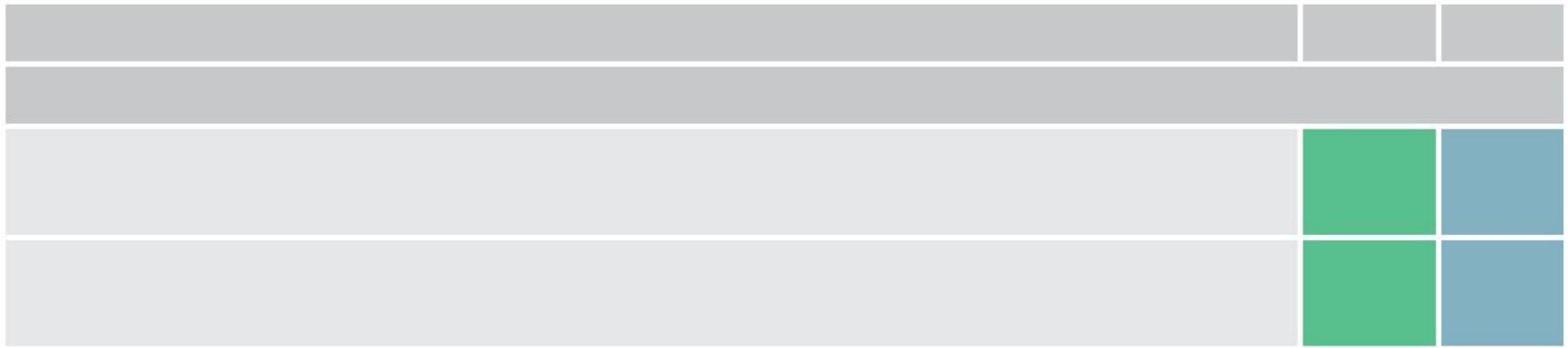




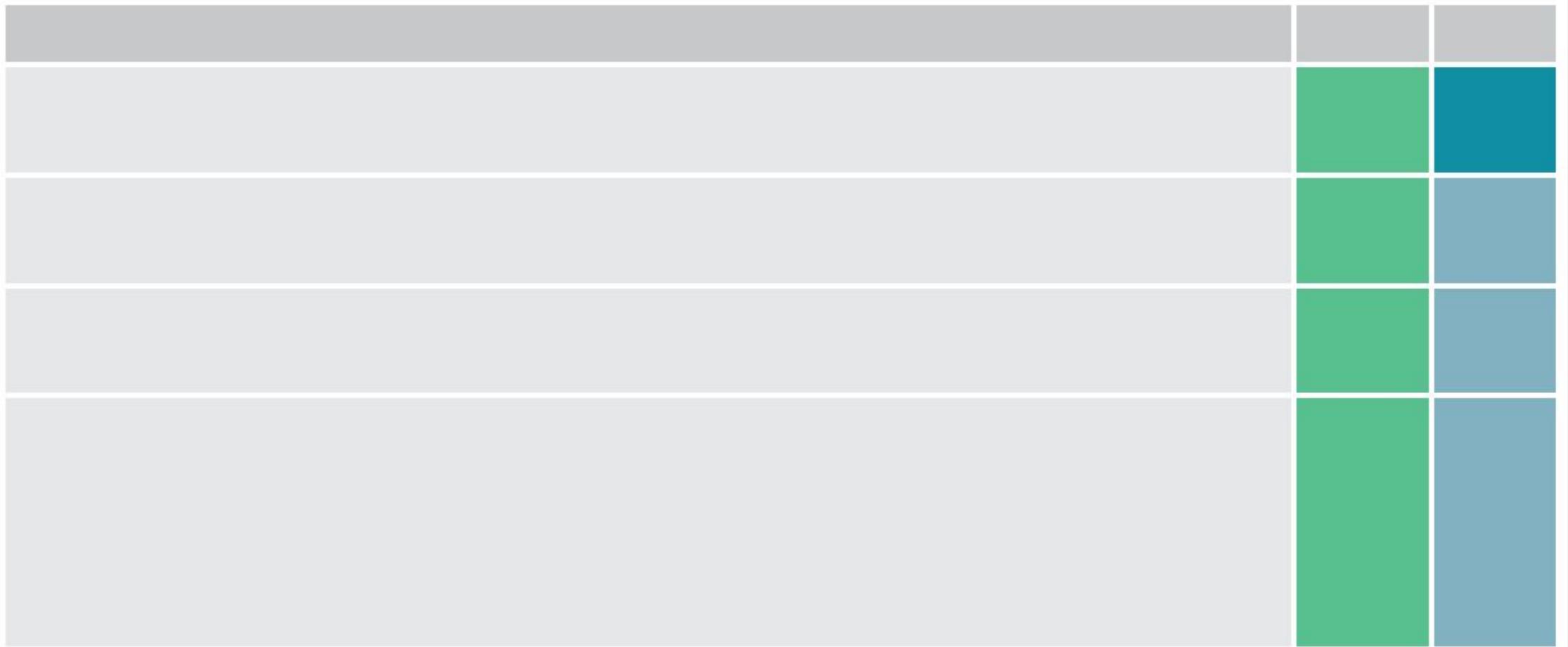


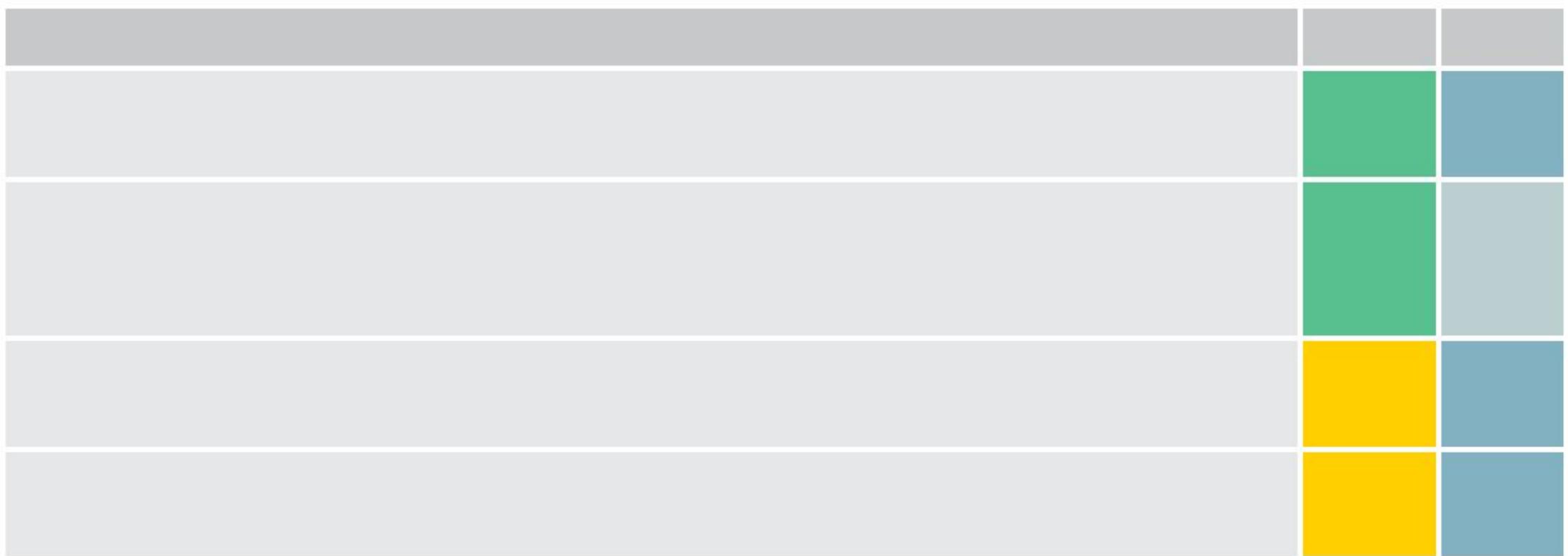








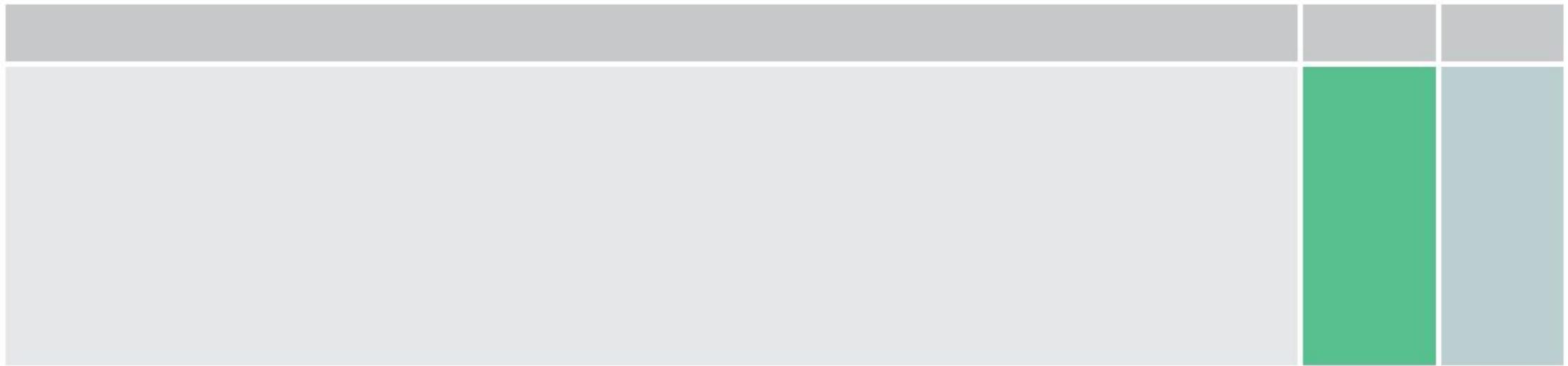






Recommendations for stroke risk management peri catheter ablation (1)

Recommendations	Class	Level
In AF patients with stroke risk factors not taking OAC before ablation, it is recommended that preprocedural management of stroke risk includes initiation of anticoagulation and: <ul style="list-style-type: none">• Preferably, therapeutic OAC for at least 3 weeks before ablation, or• Alternatively, the use of TOE to exclude LA thrombus before ablation.	I	C
For patients undergoing AF catheter ablation who have been therapeutically anticoagulated with warfarin, dabigatran, rivaroxaban, apixaban, or edoxaban, performance of the ablation procedure without OAC interruption is recommended.	IIa	C
	I	A

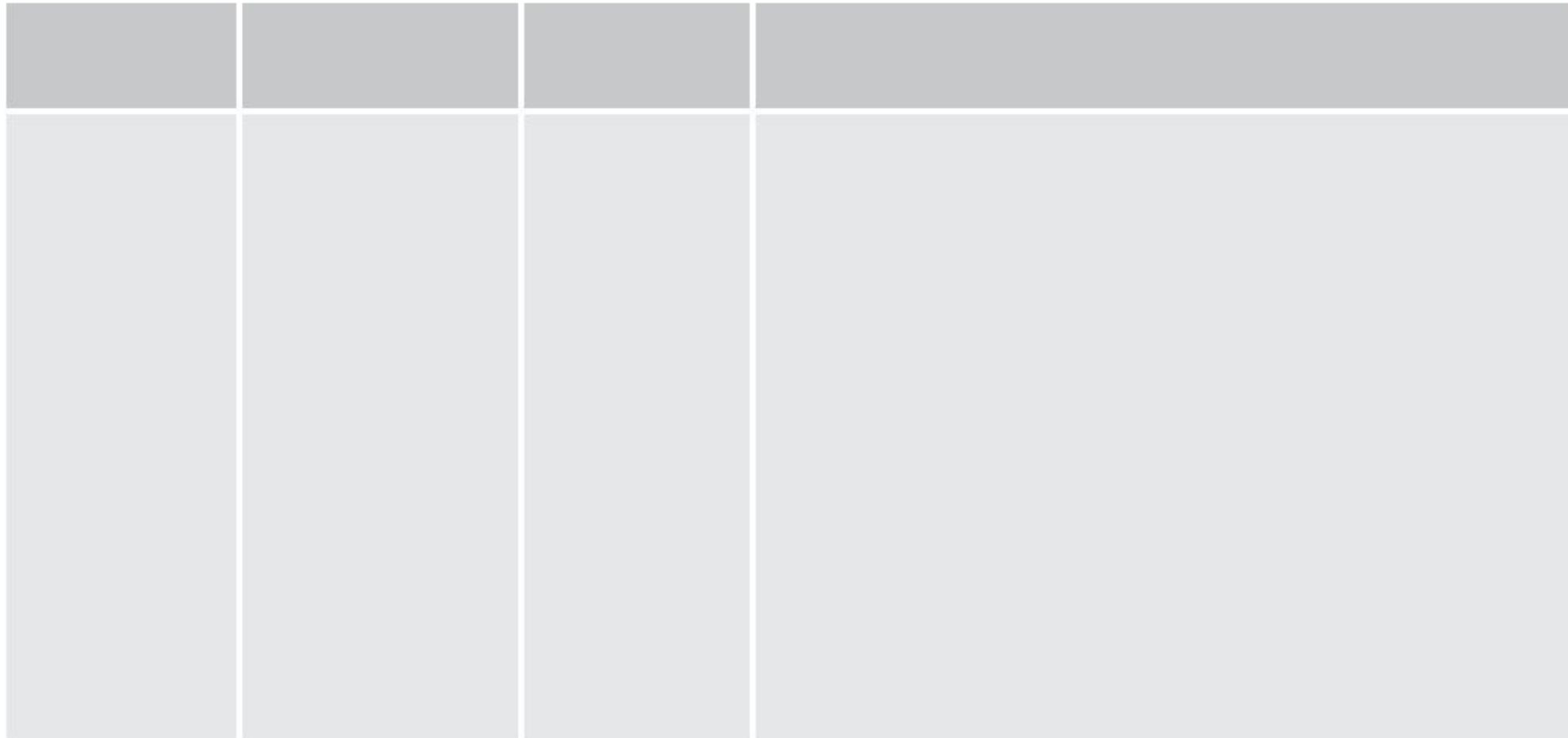


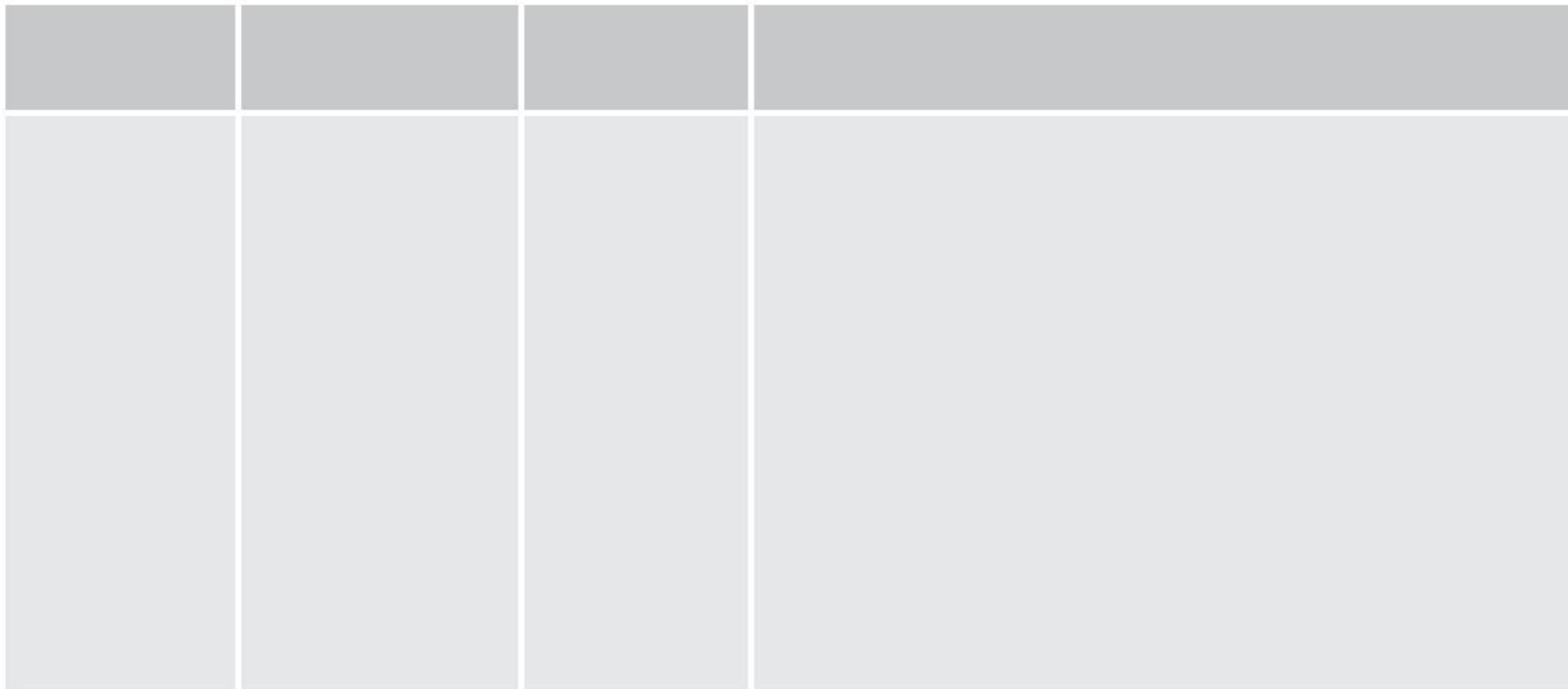


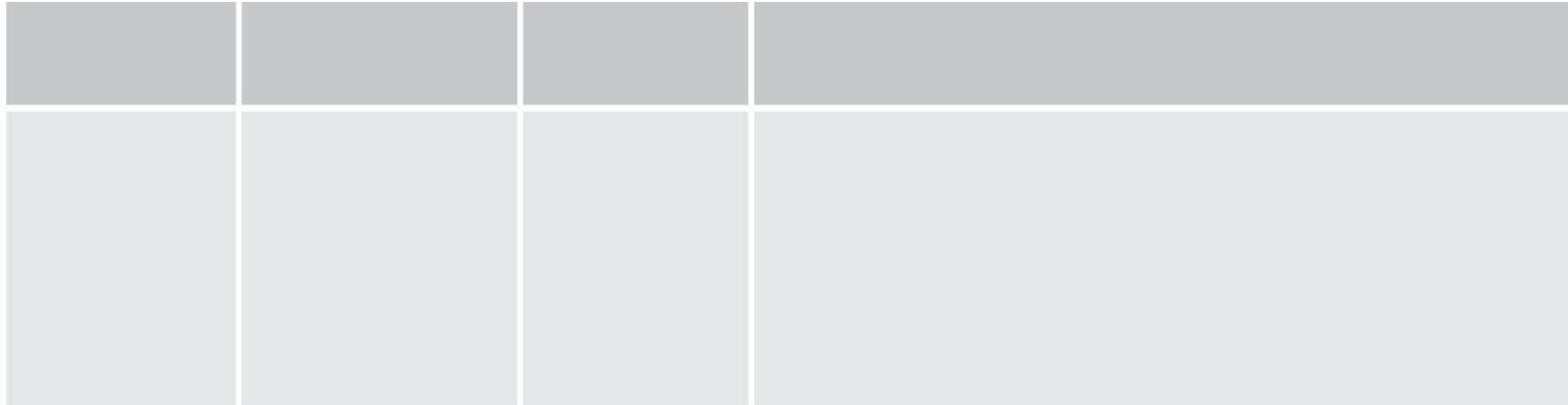


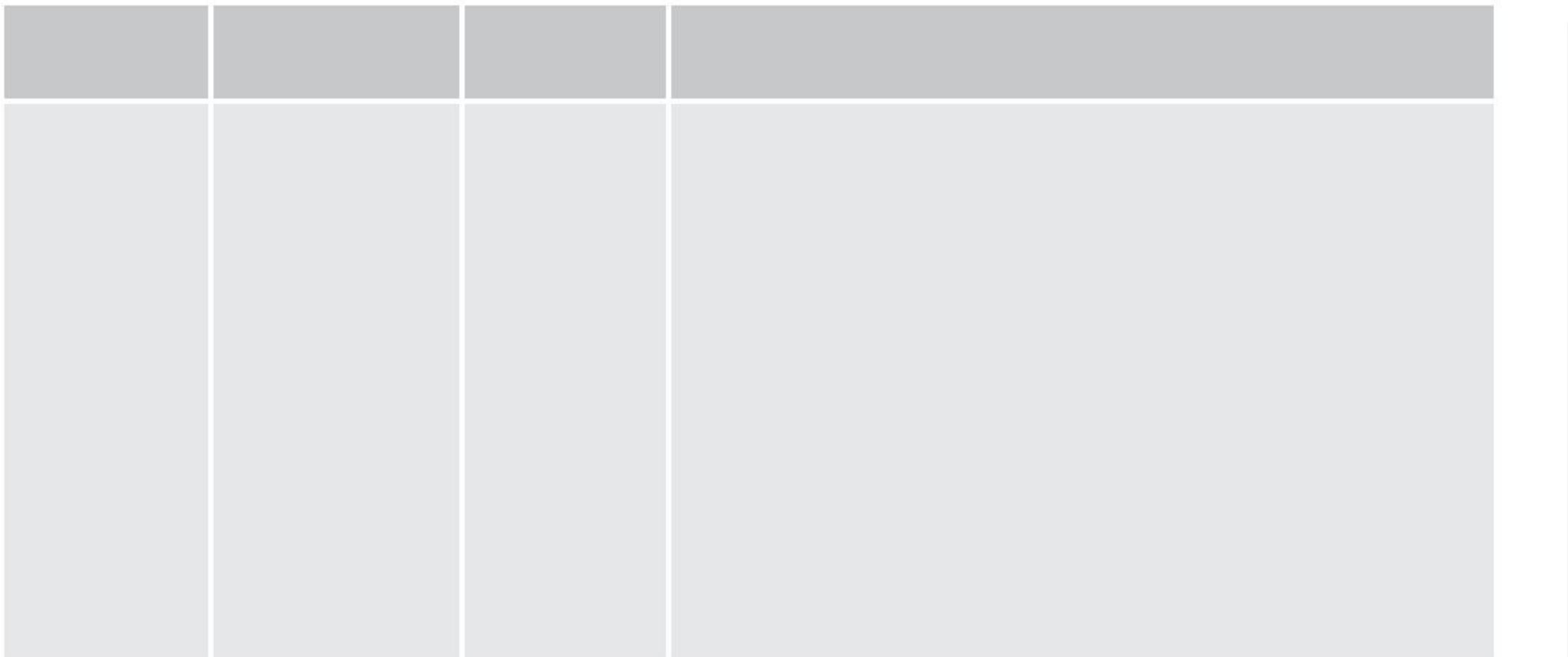


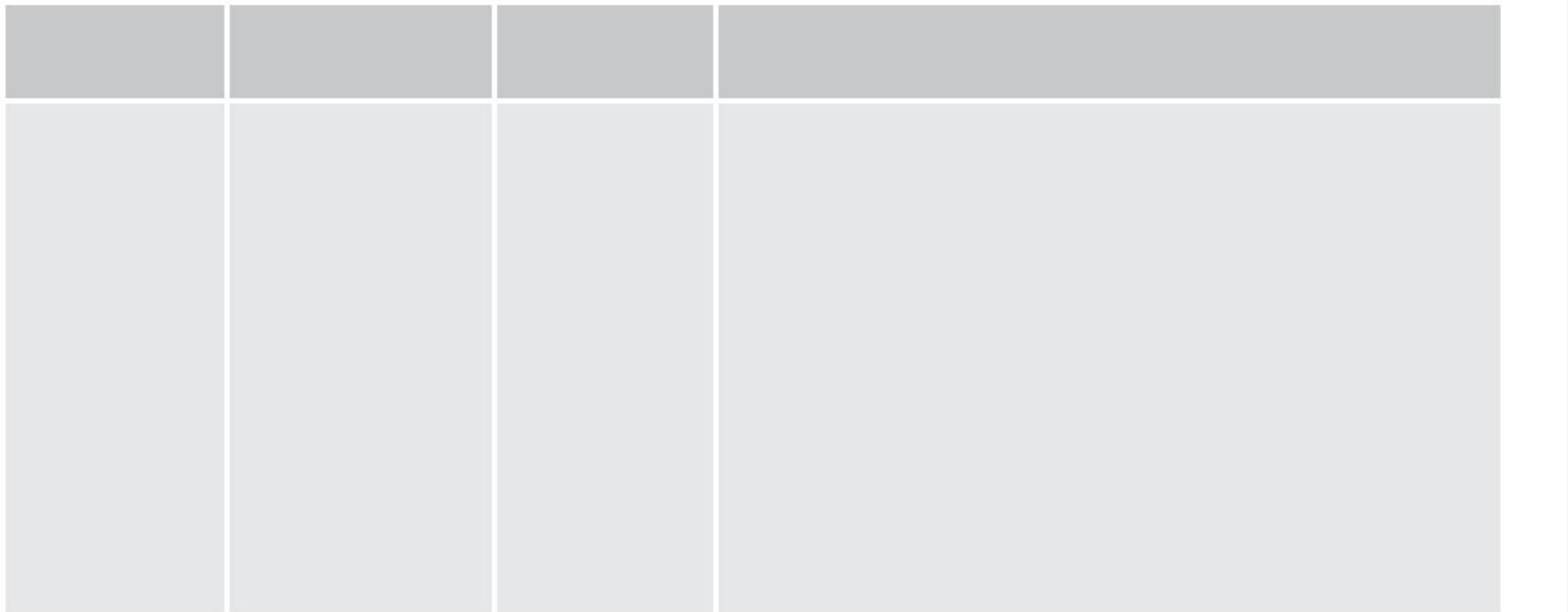


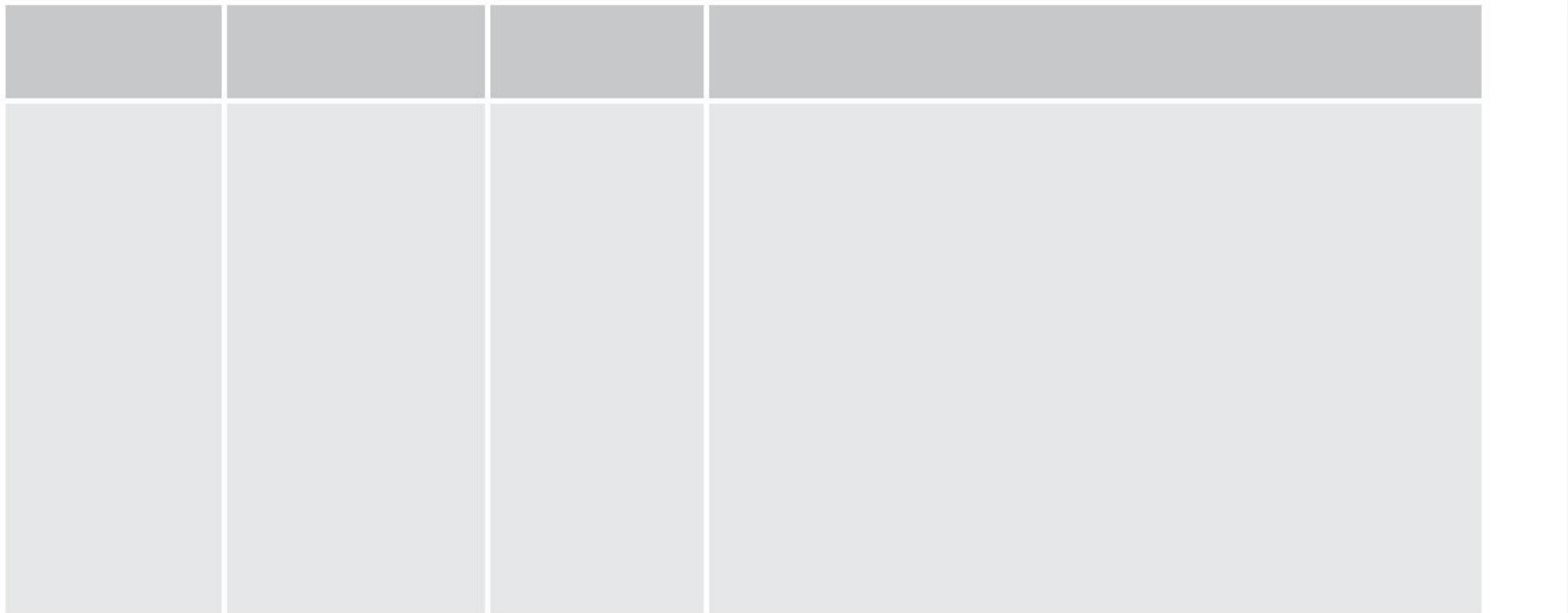




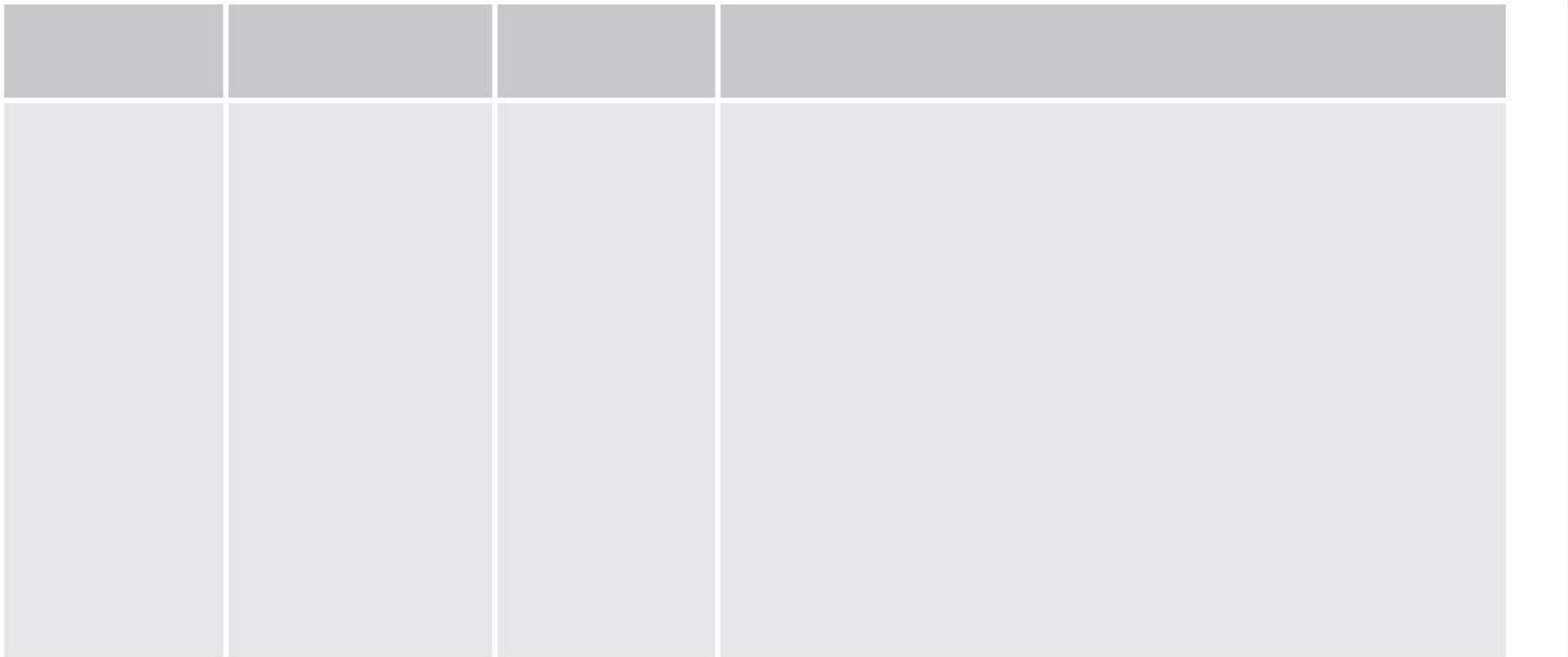


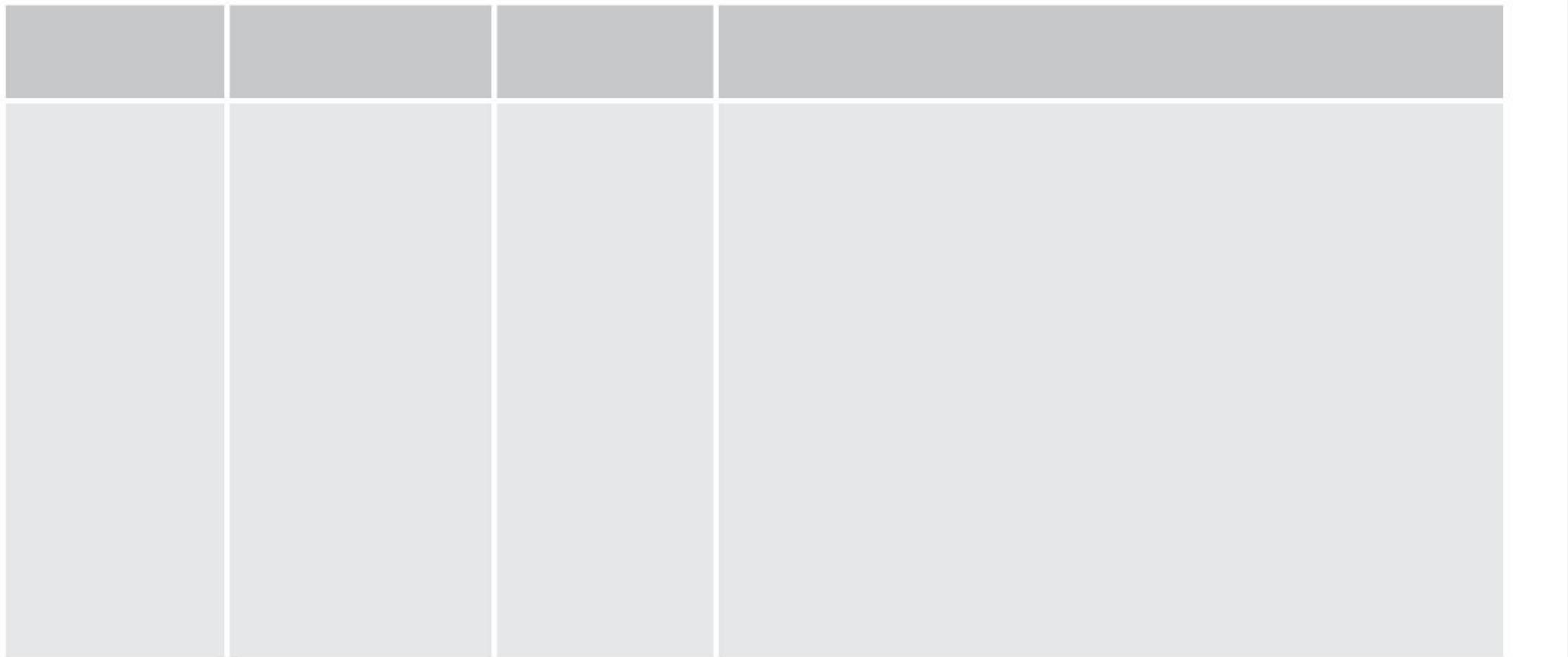




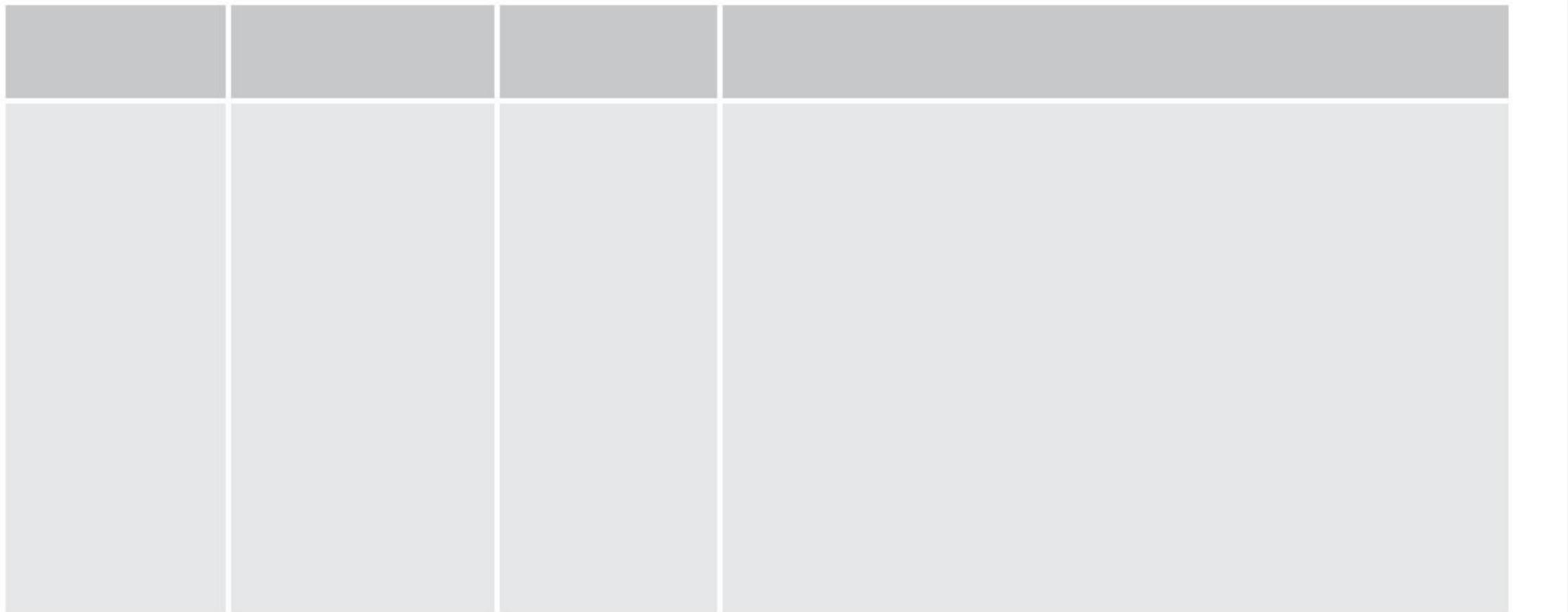


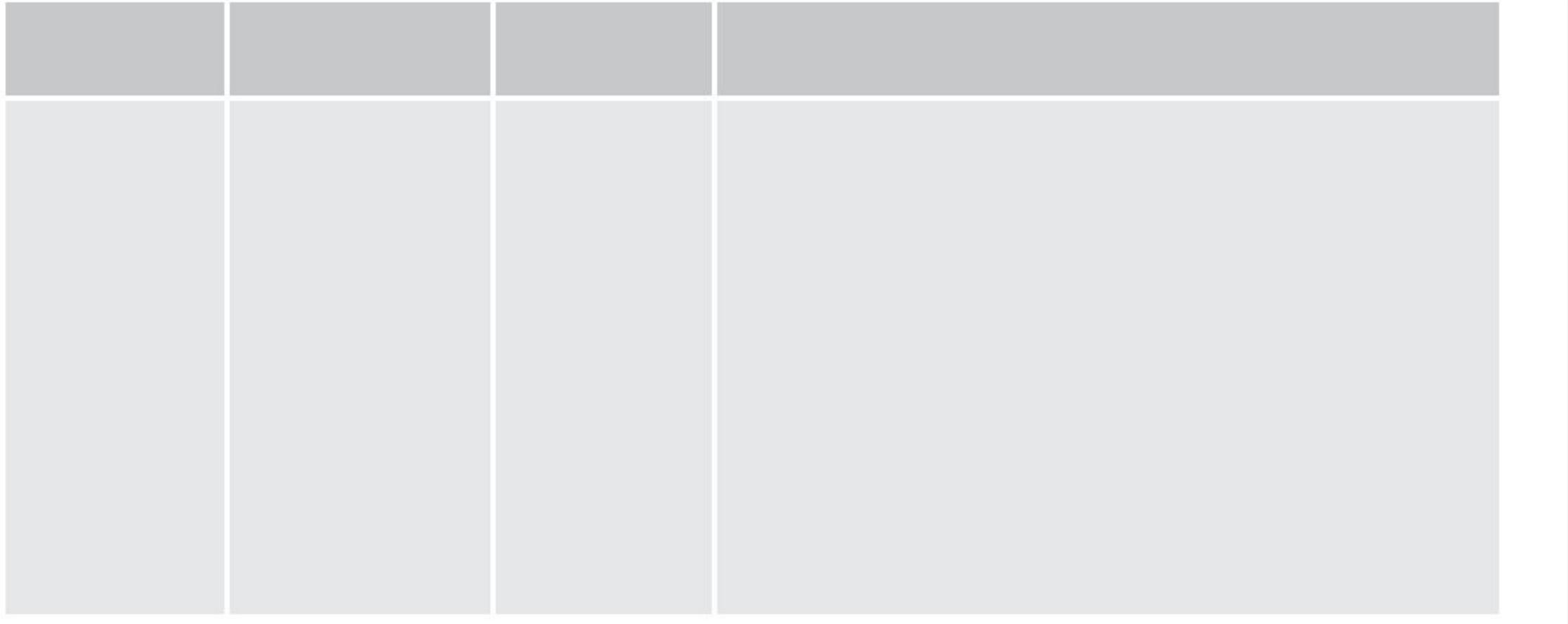


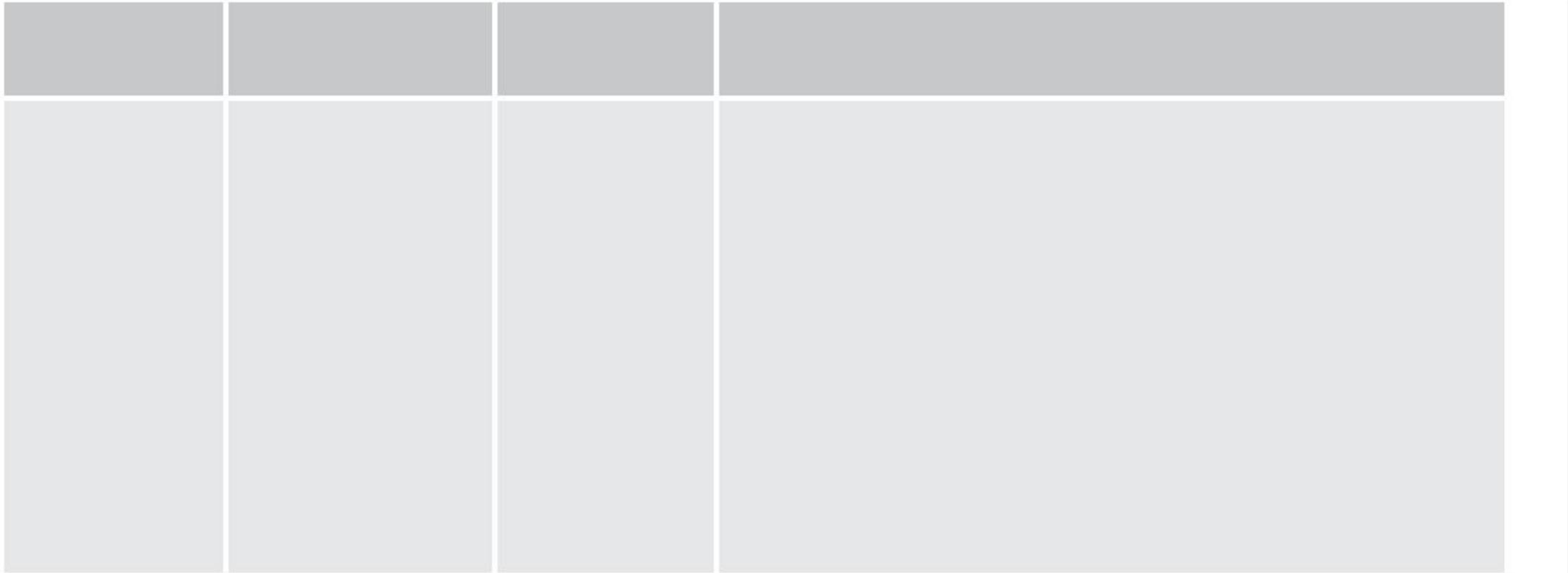


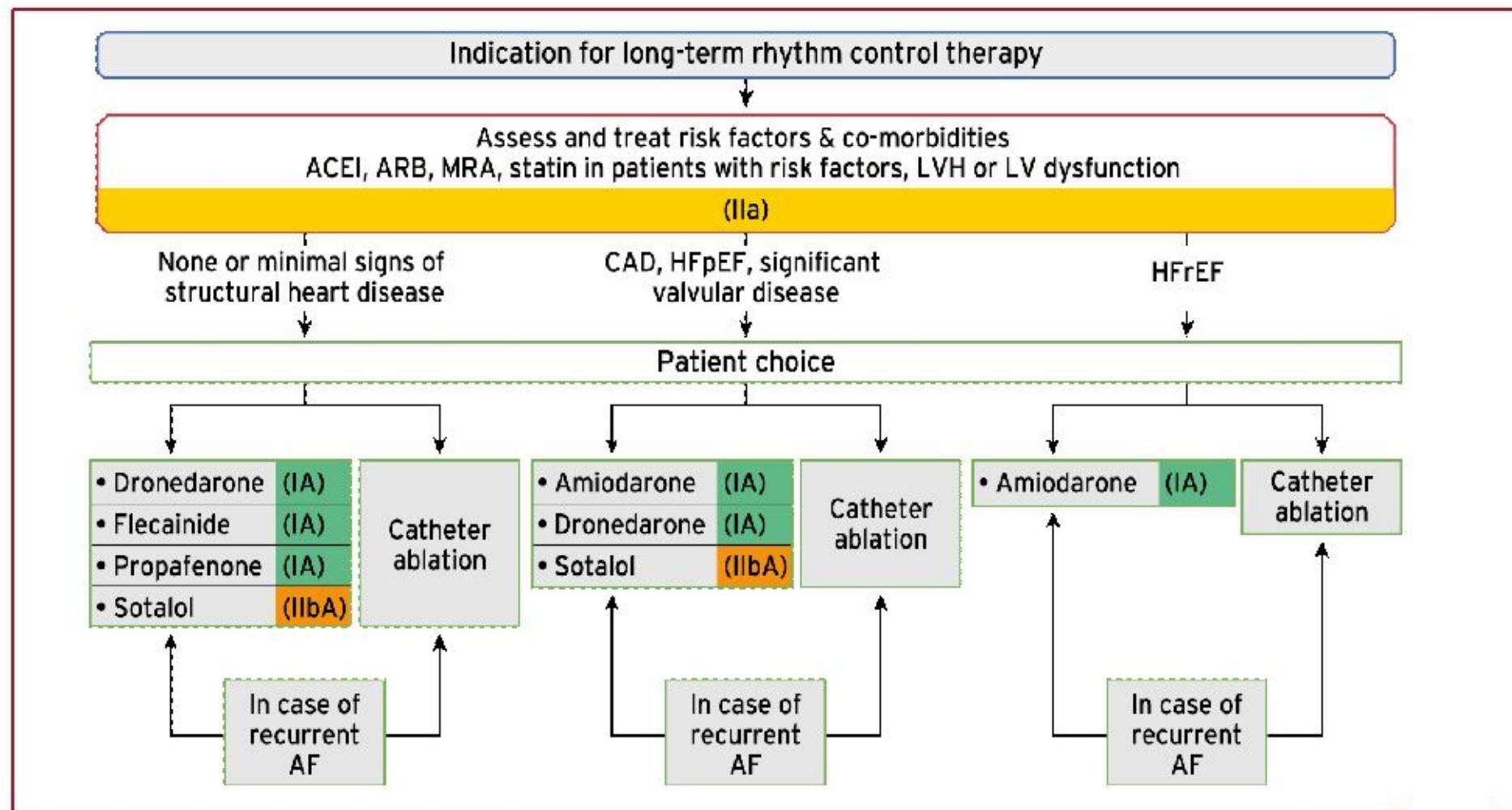


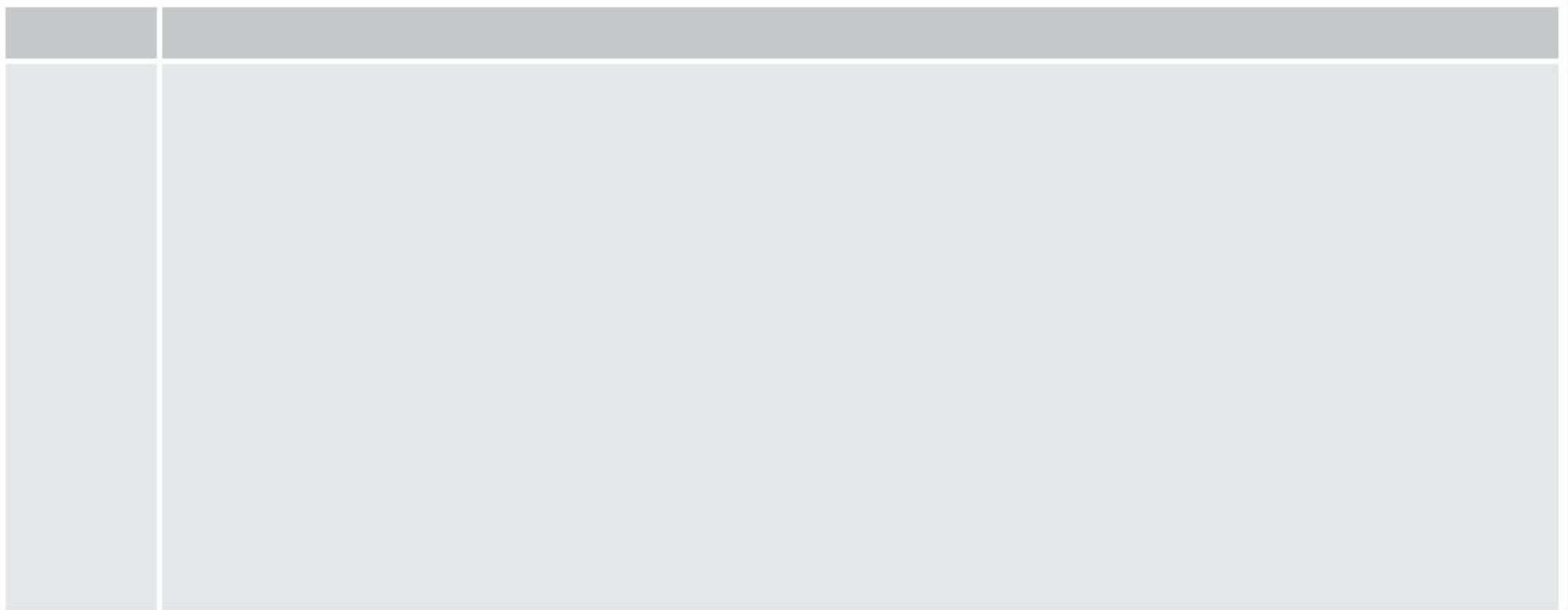


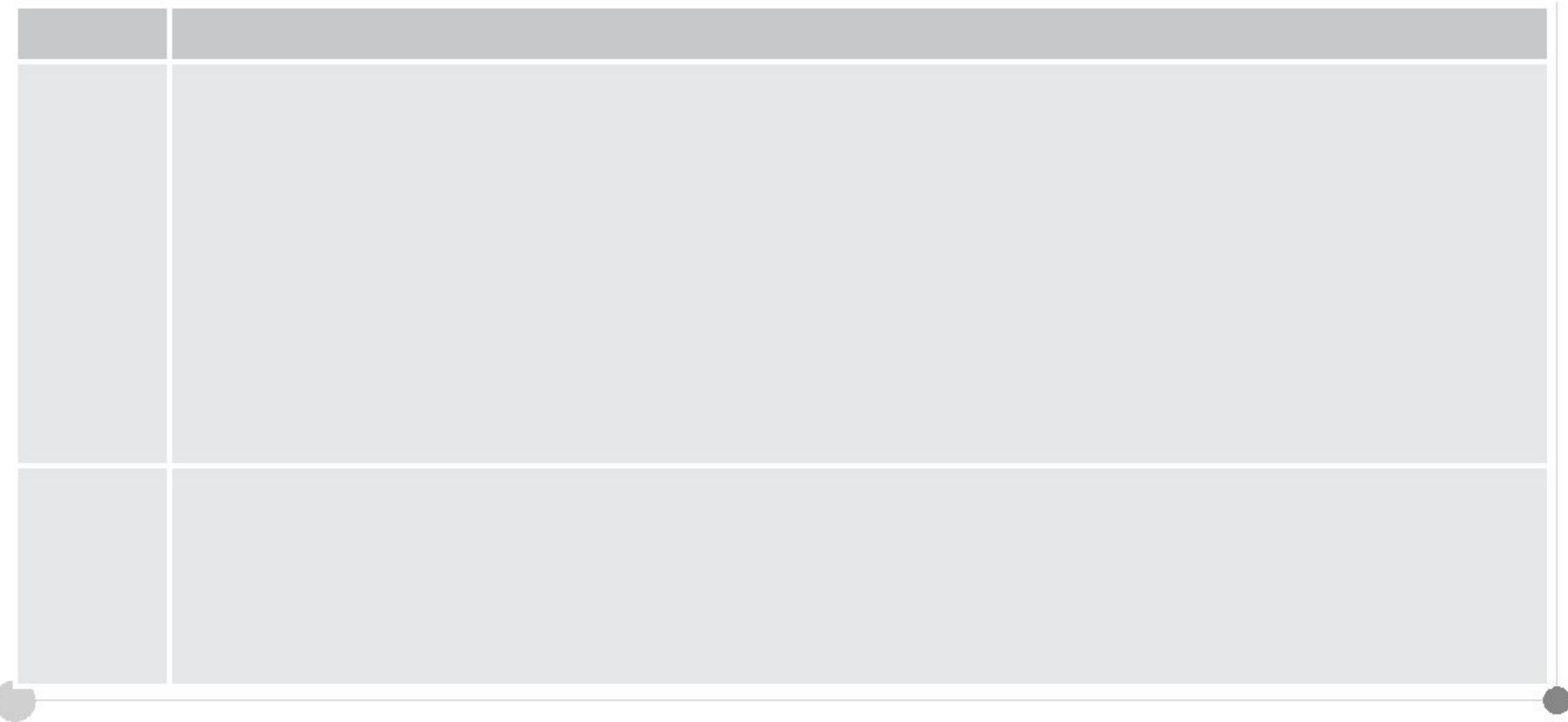


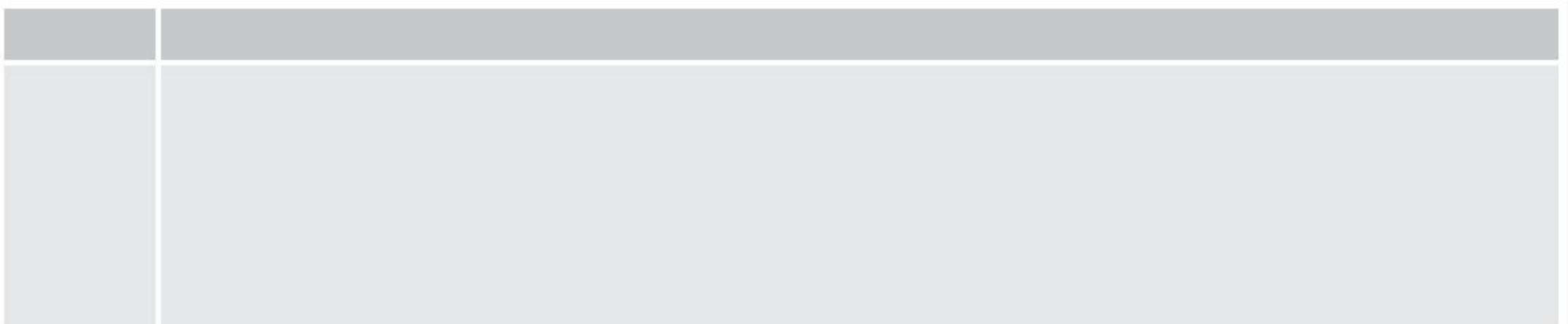












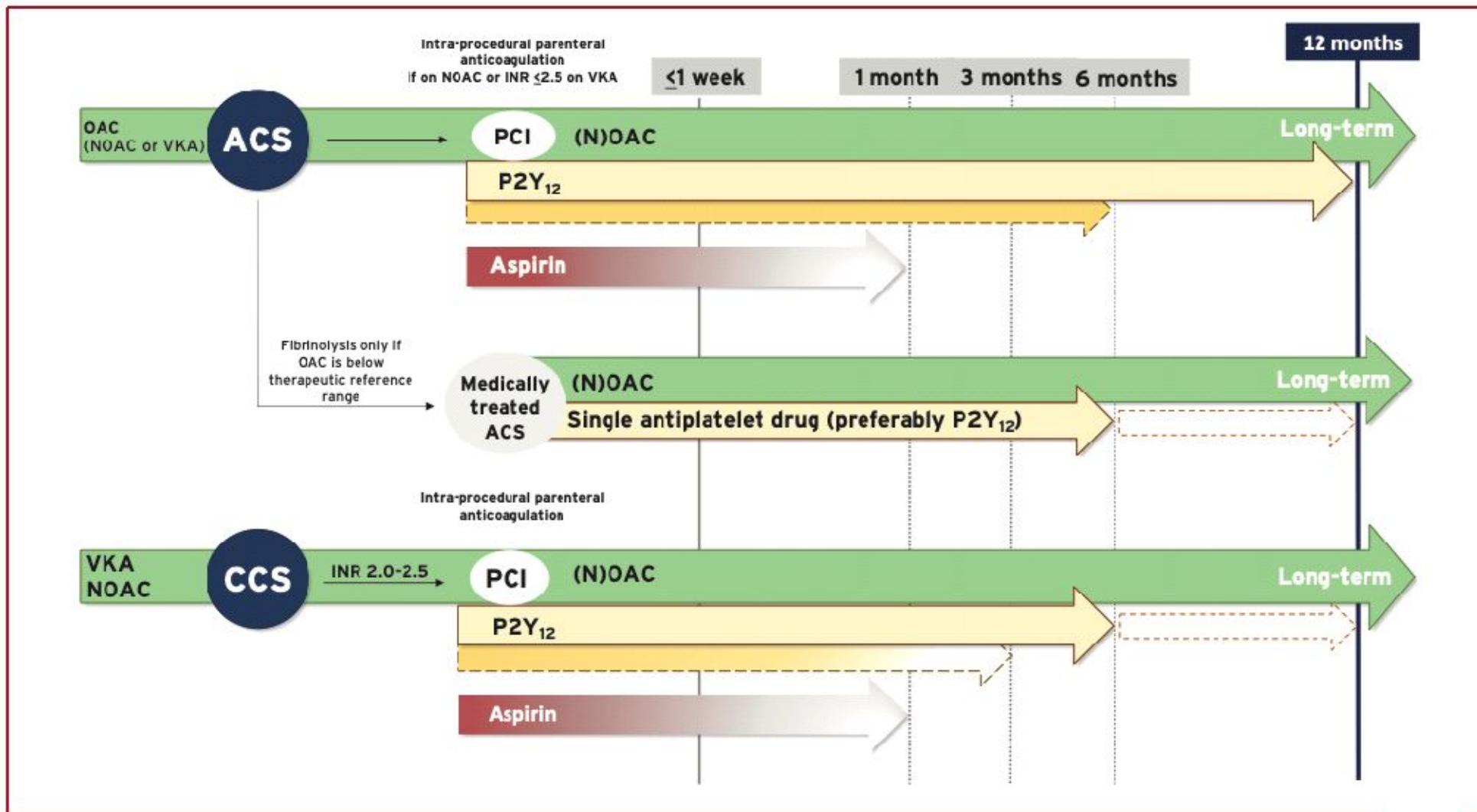




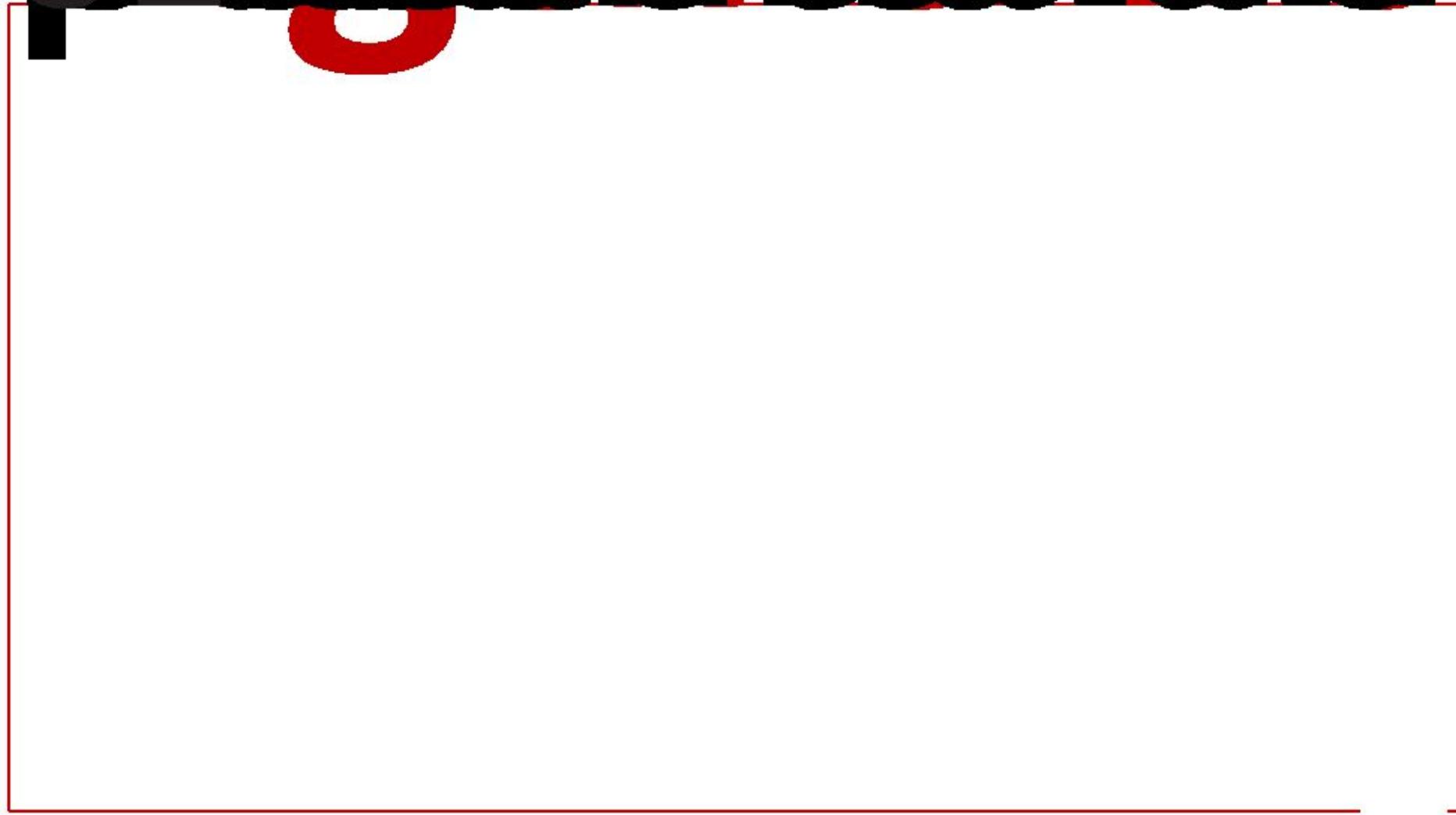


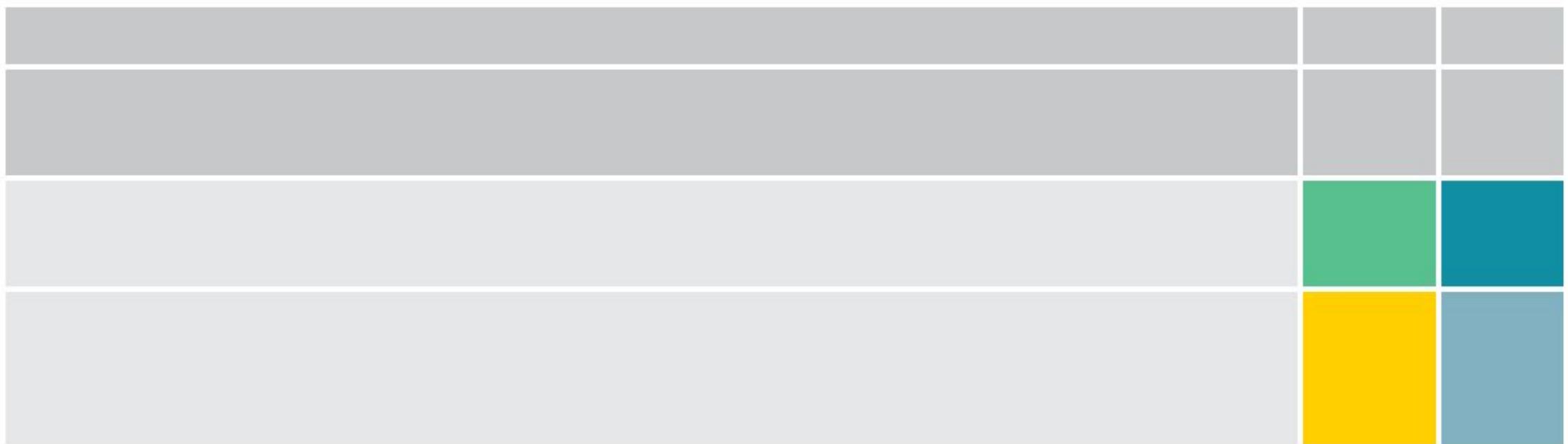


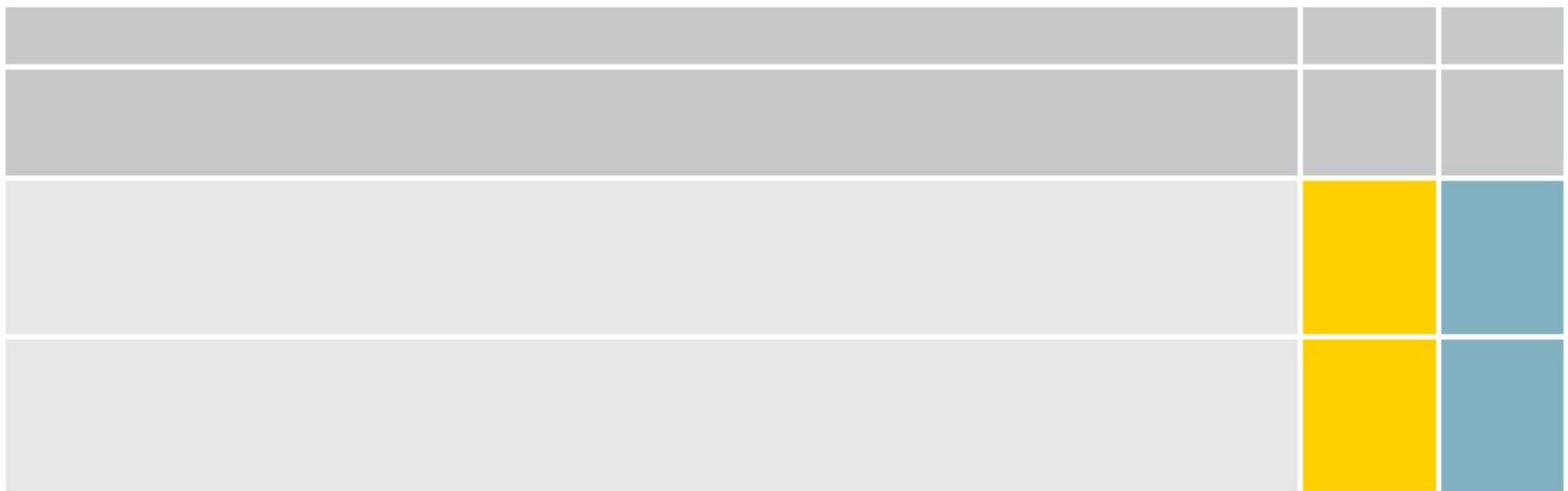


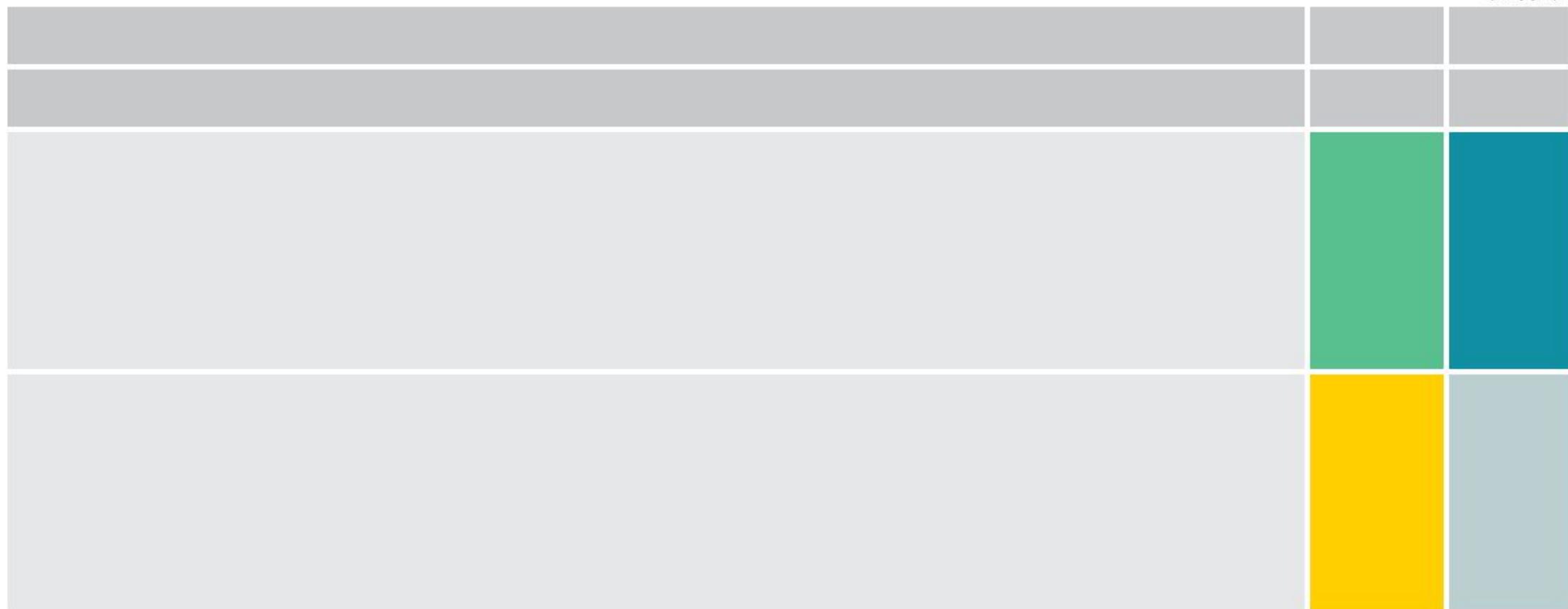


RightfulRepresentation



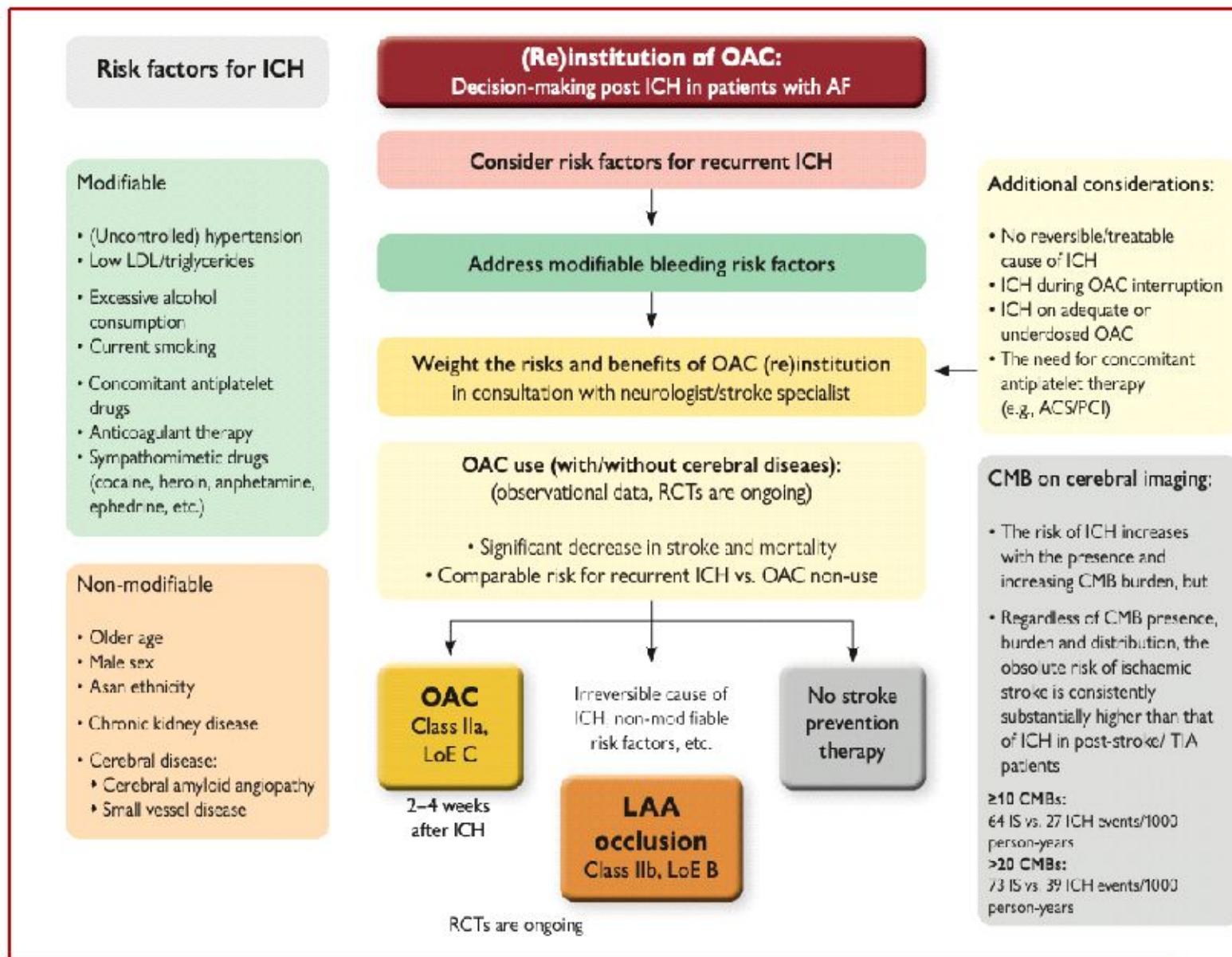


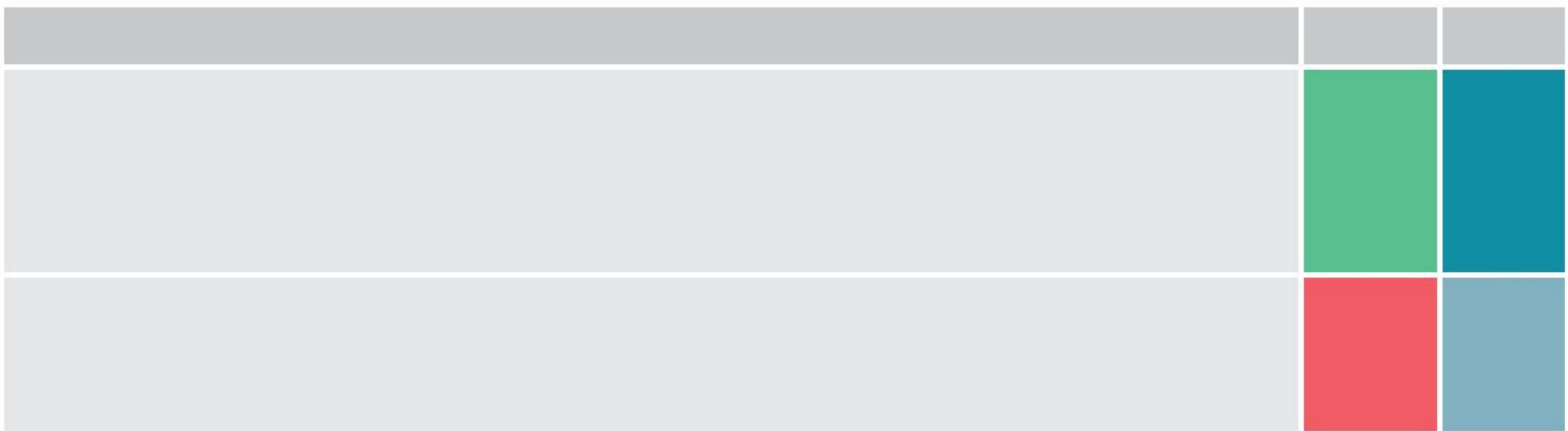


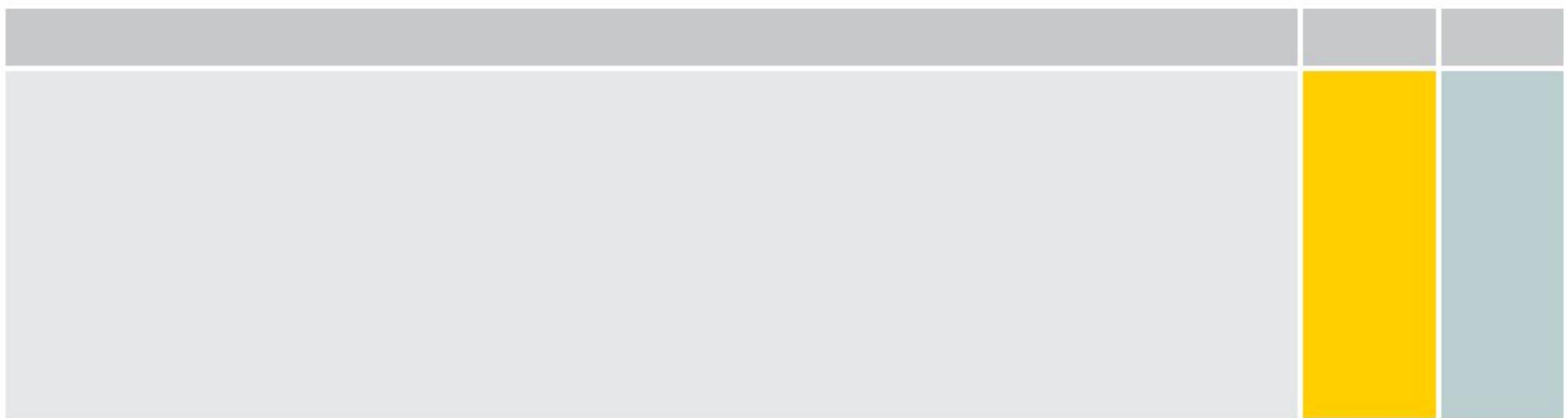


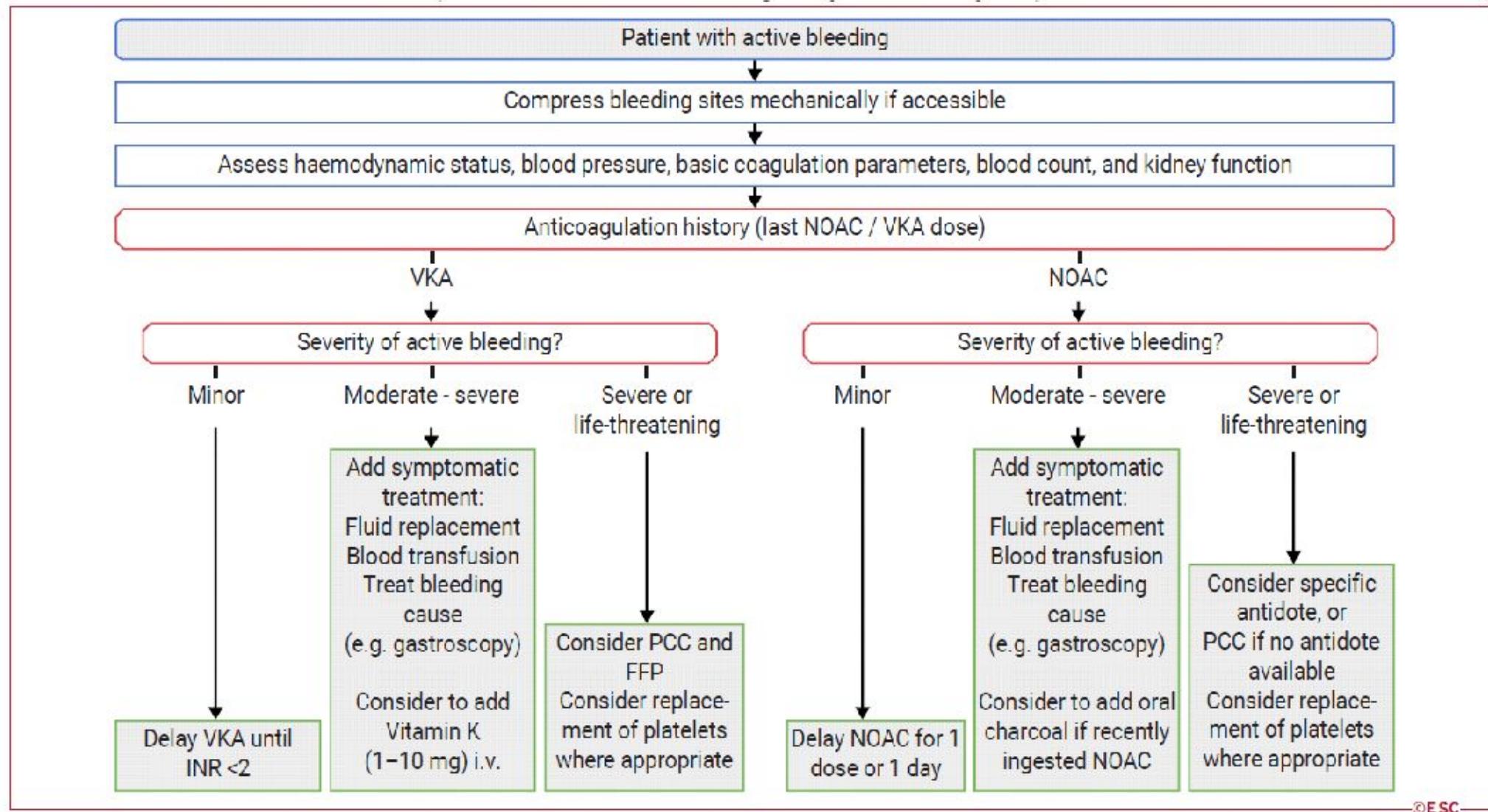


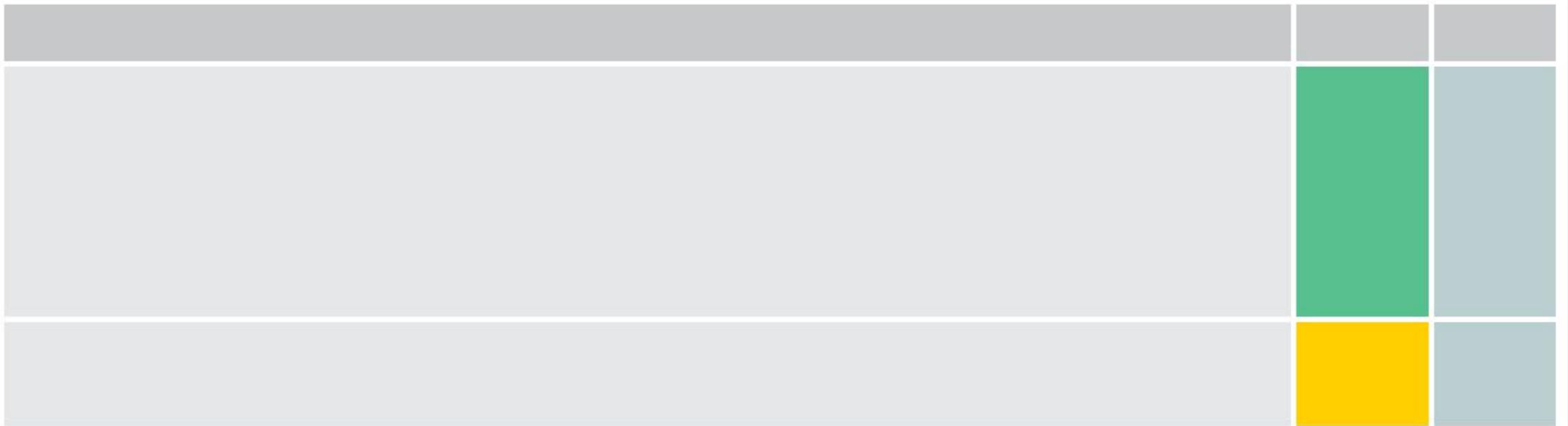


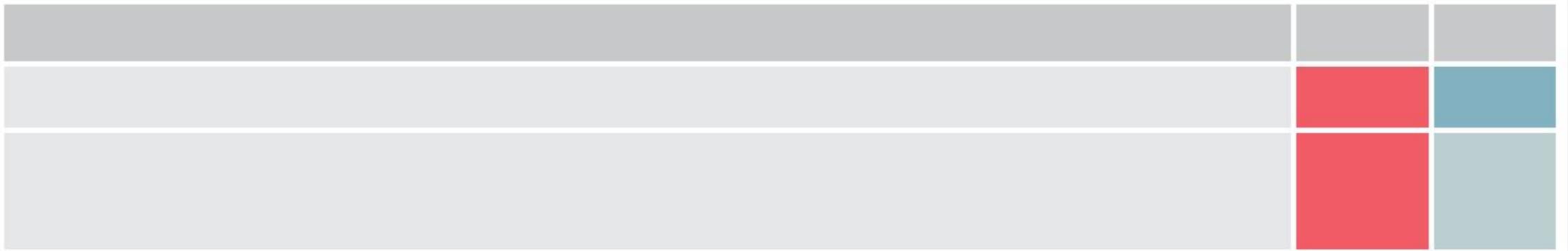


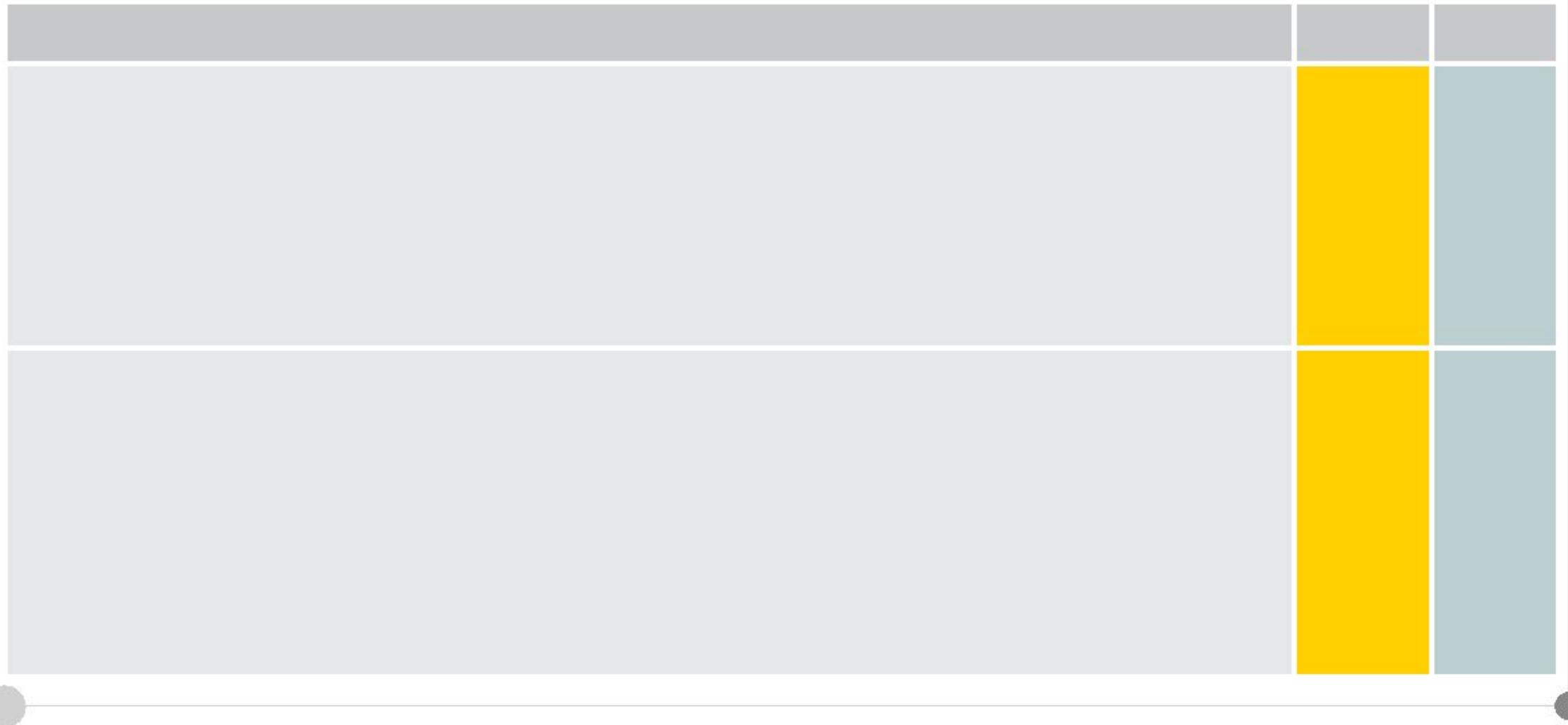




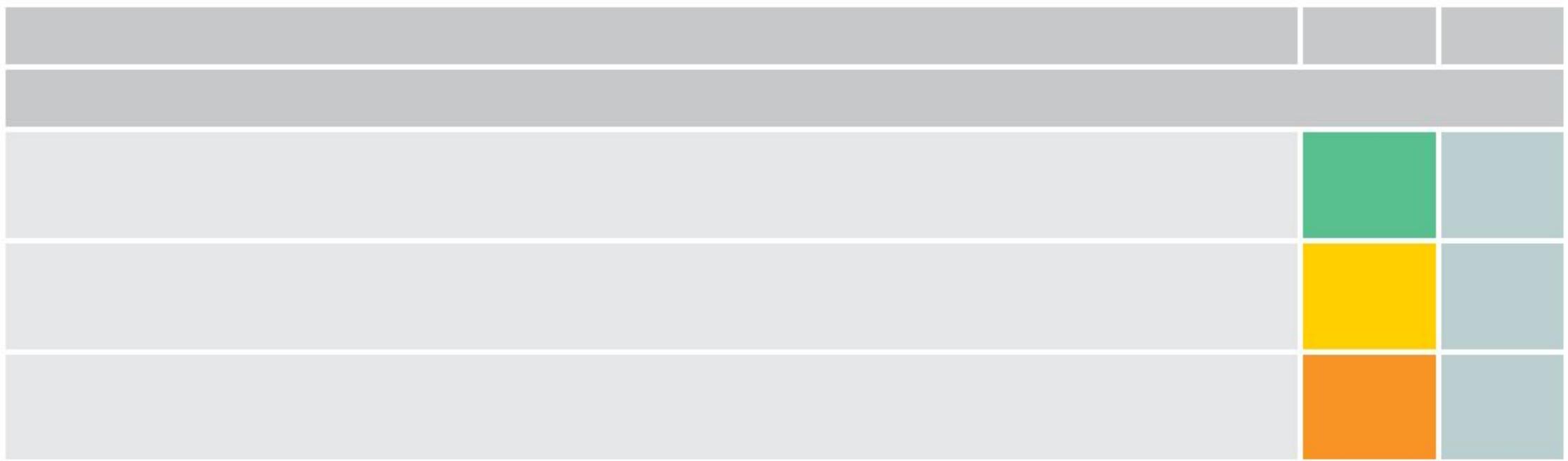


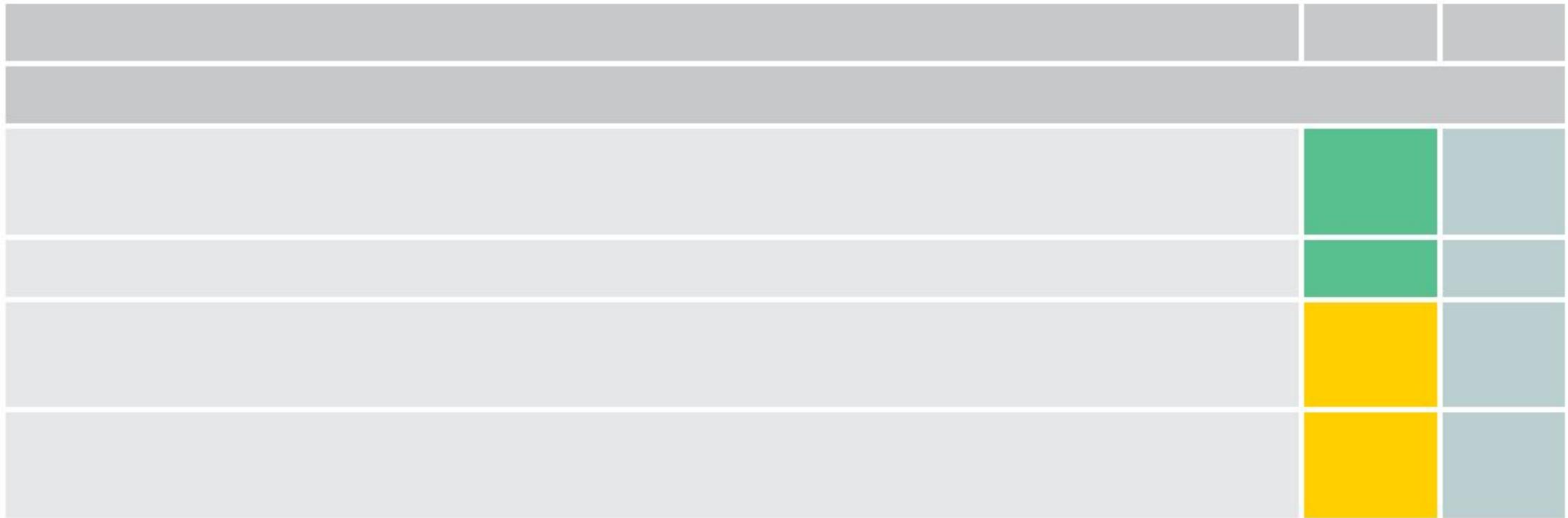










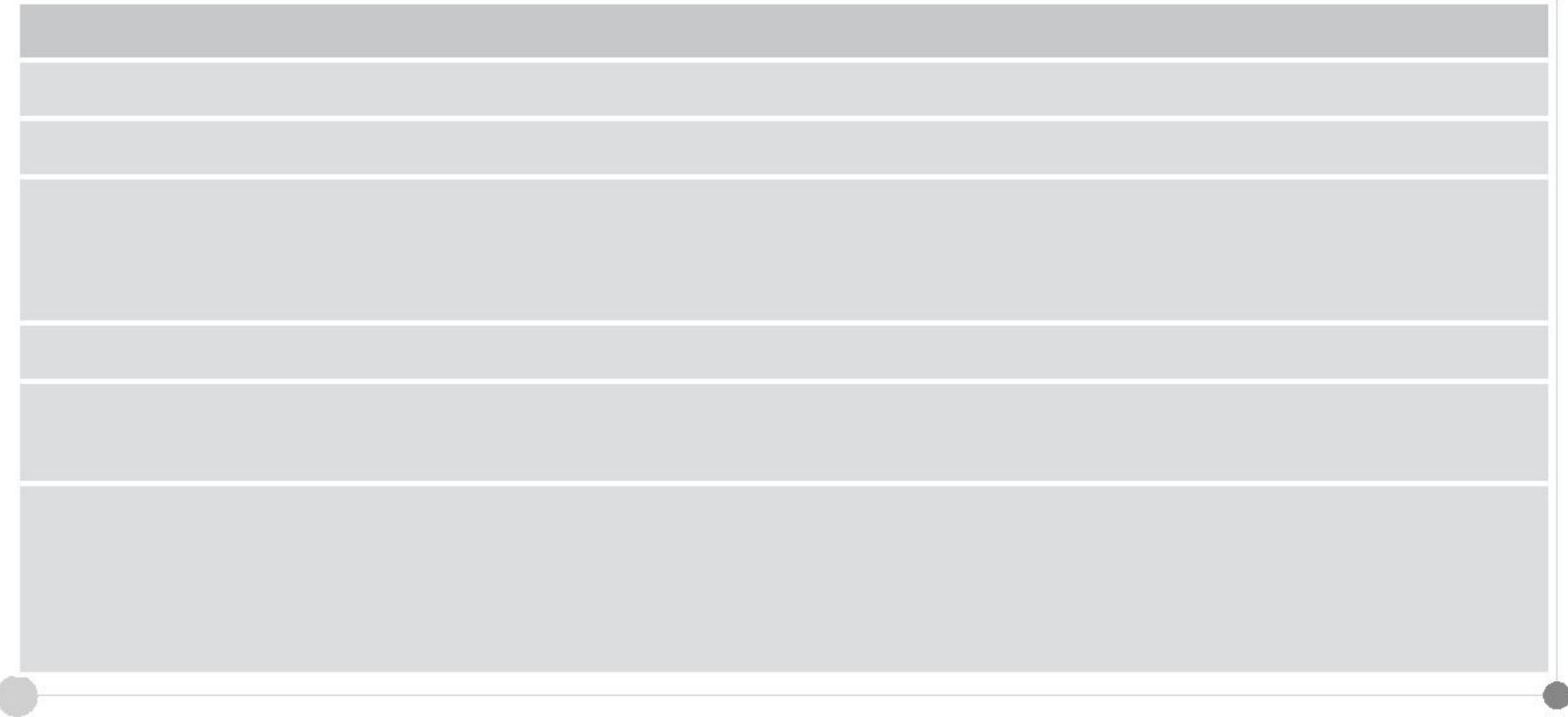






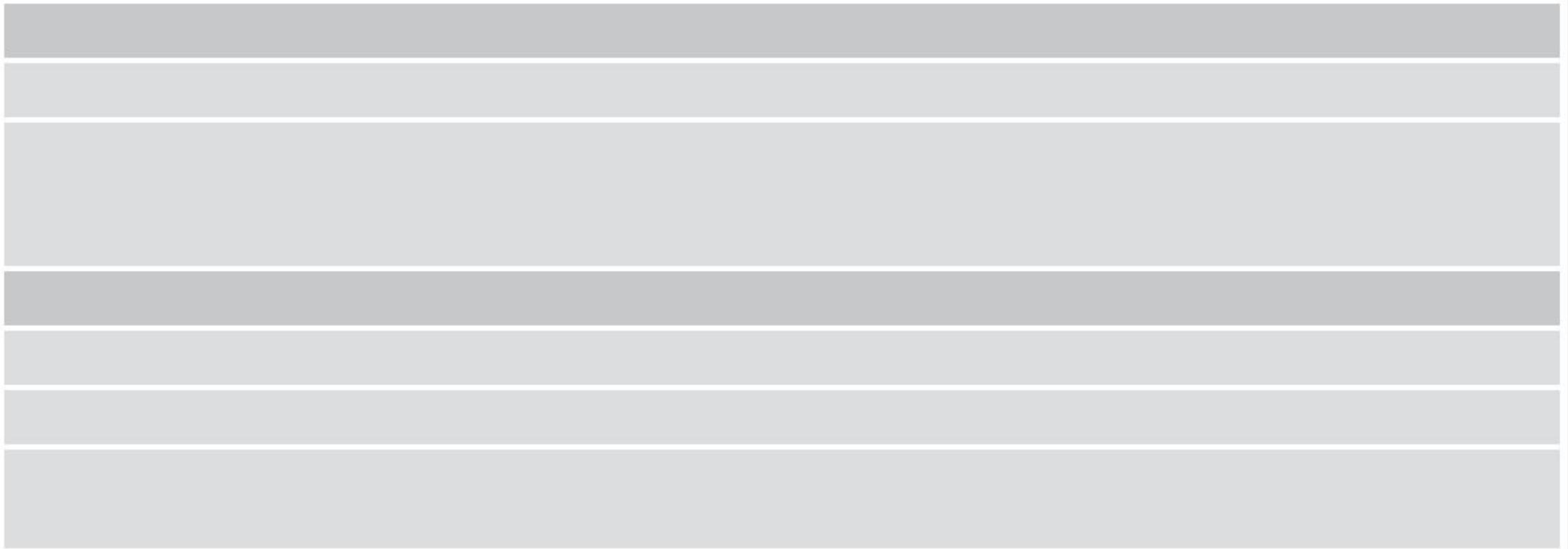




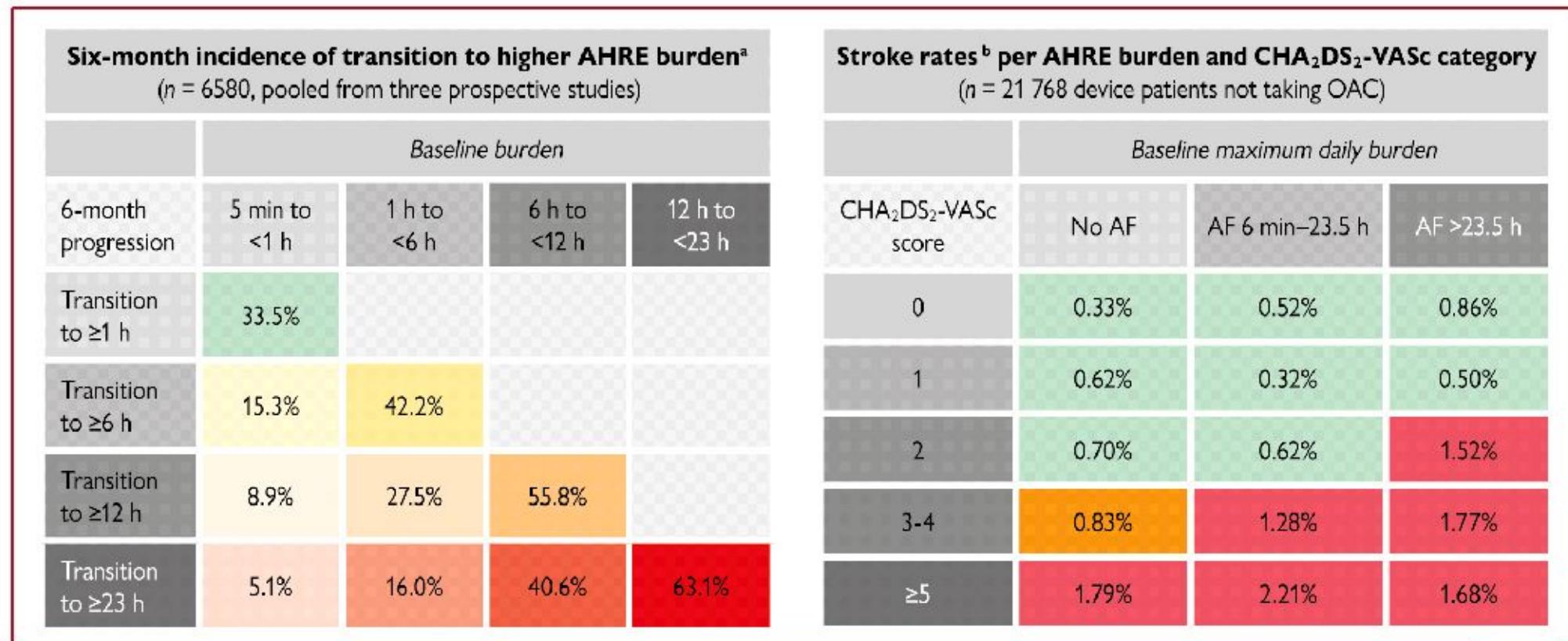




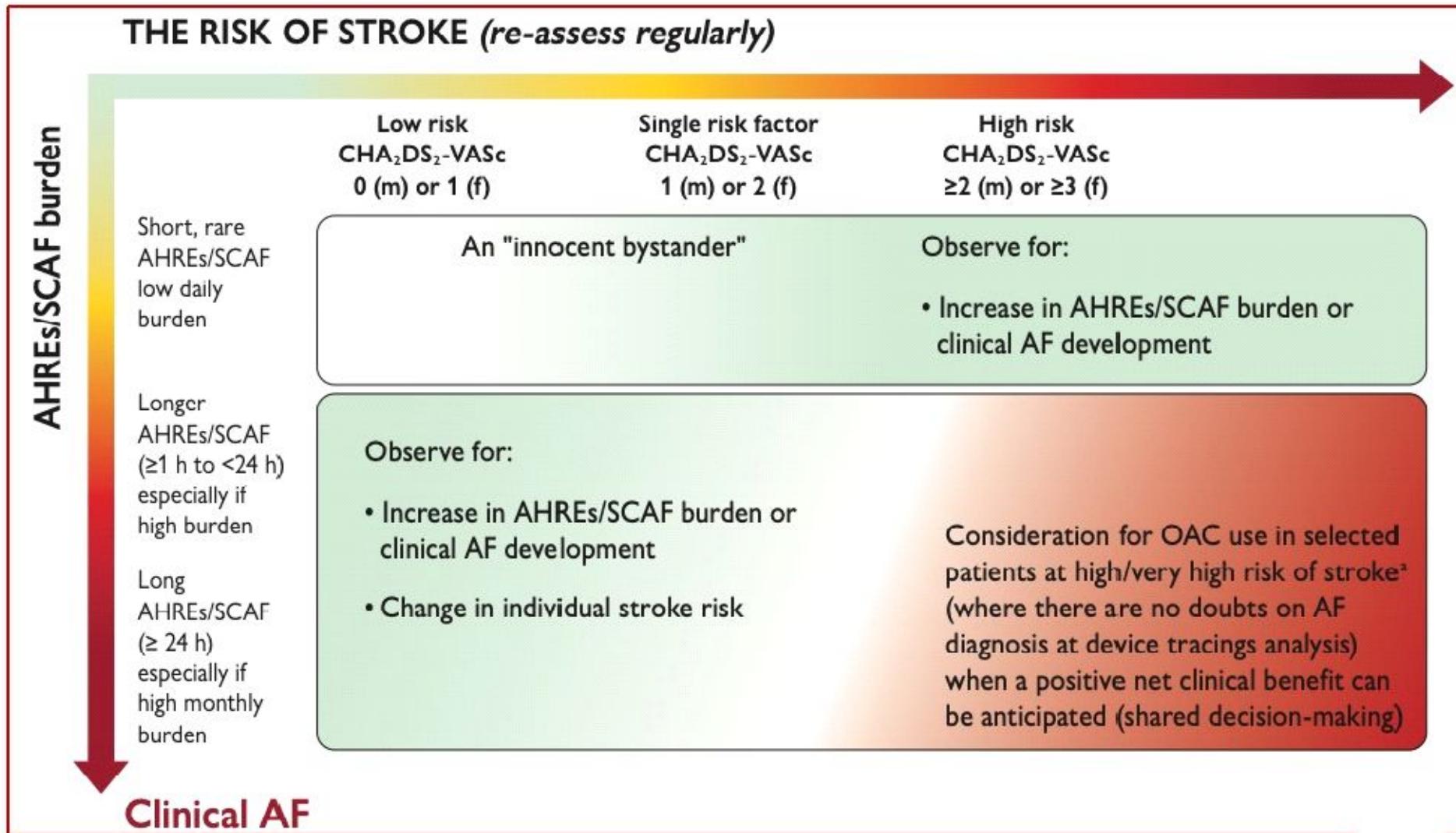


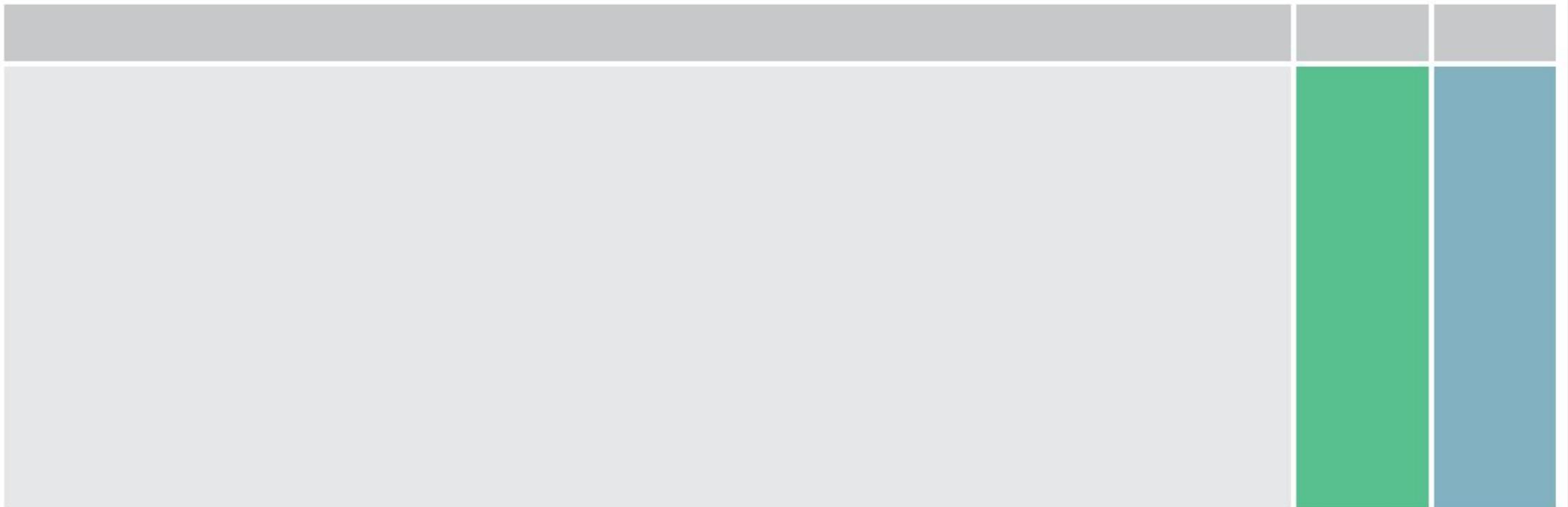






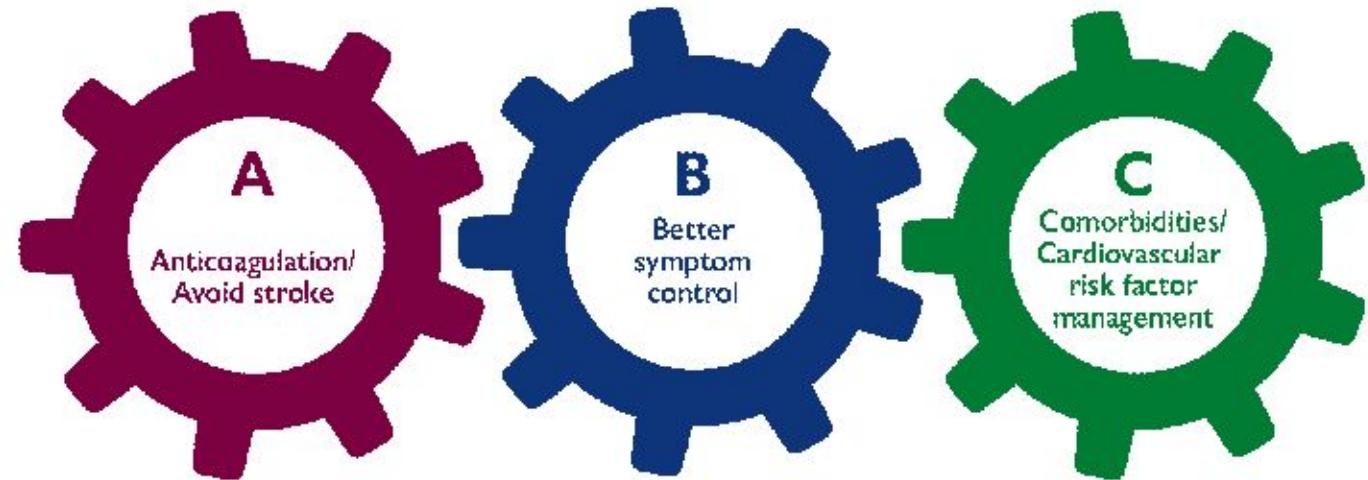
THE RISK OF STROKE (*re-assess regularly*)







Treat AF: The ABC pathway



1. Identify low-risk patients CHA₂DS₂-VASc 0(m), 1(f)
2. Offer stroke prevention if CHA₂DS₂-VASc ≥1(m), 2(f)
Assess bleeding risk, address modifiable bleeding risk factors
3. Choose OAC (NOAC or VKA with well-managed TTR)

- Assess symptoms, QoL and patient's preferences
Optimize rate control
Consider a rhythm control strategy (CV, AADs, ablation)

- Comorbidities and cardiovascular risk factors
Lifestyle changes (obesity reduction, regular exercise, reduction of alcohol use, etc.)

