### VHAN Statin Outreach Service Clinical Algorithm - Step A Clipical ASCVD? Initial baseline Has the patient assessment (as below, (ACS, h/o MI, LDL-C ≥ 190 mg/ Is patient currently tried a statin in DM + age 40-75 stable/unstable benefit group, taking a statin? YO the past and angina, CVA, TIA, contraindications, failed? specialist review) RAD, etc)

## Estimate 10-year ASCVD risk Involvement of specialists as needed Is statin . Consider 10-year 10-year ASCVD 10-year ASCVD 10-year ASCVD Consider age, appropriate in terms of Yes ASCVD risk risk ≥ 7.5% risk 5-7.5% contraindications risk < 5% intensity? 10-year ASCVD 10-year ASCVD Age ≤ 75 YO. Age > 75 YO or risk < 7.5% no concerns safety concerns risk ≥ 7.5% Reconsider initial Start atorvastatin 40 Start atorvastatin 80 Start atorvastatin 40 Start atorvastatin 40 Start atorvastatin 40 Start atorvastatin 80 Start atorvastatin 80 treatment Yes mg po daily mg po daily

## \*Initial baseline evaluation of patient:

- Recent baseline lipid panel (fasting preferred) + past lipid panels in patients who have previously taken statins
- Liver function tests (ALT in particular)
- CK (if indicated in those that may be at increased risk for adverse muscle events family history of statin intolerance or muscle disease, clinical presentation, or concomitant drug therapy that might increase risk of myopathy)
- Medication history
- Comorbidities (see right)
- A1c (if DM status is unknown)
- Recent BP
- Social history: smoking status, EtOH intake
- Pregnancy/breastfeeding status (see right)
- Hemodialysis status

## Comorbid condition evaluation:

- Transplant: contact specialist prior to statin initiation (e.g. contact hepatologist prior to initiation of statin in liver txp patient).
- Hepatitis C: stable HCV infection is not a contraindication to statin use.
- End stage liver disease: consider contacting hepatologist prior to statin initiation.
- HIV: use caution in terms of drug interactions; consider atorvastatin and pravastatin first.
- Hemodialysis: do not initiate statins in this patient population if patient was not already on a statin prior to dialysis.

## Women of childbearing age:

- Statins are contraindicated in women of childbearing age without appropriate contraception in place to prevent pregnancy.
- Ensure patient's method of contraception or either partner with surgical solution prior to starting statin.
- Defer initiation of contraception to PCP send message to PCP after discussing options with patient.
  Do not start statin until this has been addressed by provider.
- Counsel patient on potential risks with statins and pregnancy.
- Avoid statin in breastfeeding women defer statin initiation until patient is finished breastfeeding.
- Document discussion in EMR.

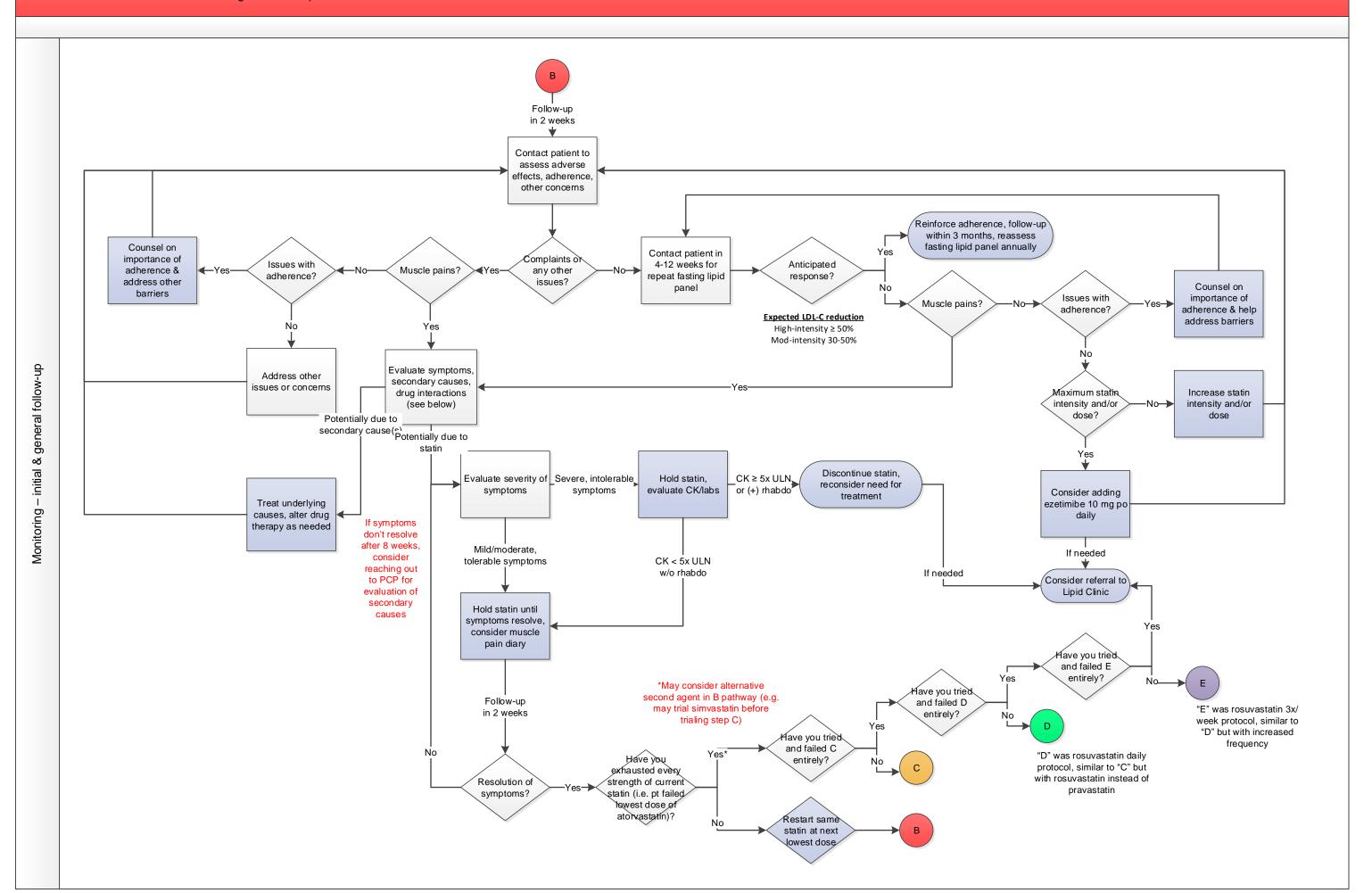
#### Figure S1: shape legend

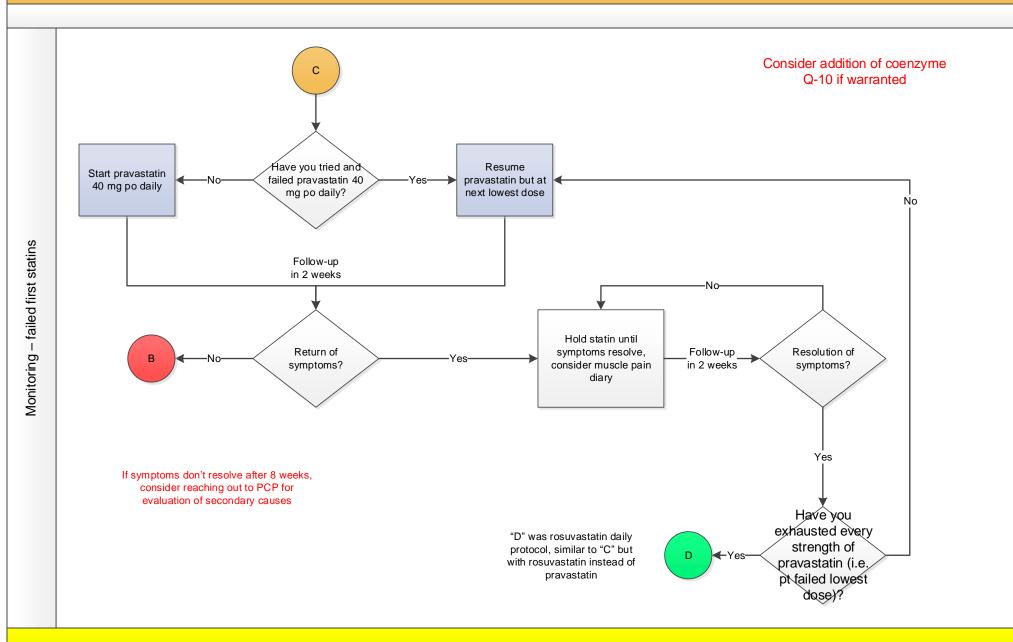
- White oblong: start of process

- Blue oblong: end of process
- White diamond: Yes/No decision step
- White square: evaluation step
- Blue square: evaluation step, documentation shared with prescriber

## Figure S1: colored circle legend

- Small yellow circle: direction to step F, treatment initiation for those having tried and failed statin previously
- Small red circle: direction to step B, monitoring initiation of statin and general follow up
- Small orange circle: direction to step C, monitoring patient after failing first statin
- Small green circle: direction to step D, monitoring patient after failing first statin and pravastatin
- Small purple circle: direction to step E, monitoring patient after failing first statin, pravastatin, and rosuvastatin





# VHAN Statin Outreach Service Clinical Algorithm - Step F

